2021-2022

Southview High School Program of Studies

A planning guide for junior high and high school students and their parents.

SYLVANIA SOUTHVIEW HIGH SCHOOL

www.sylvaniasouthview.org

Sylvania Southview High School

7225 Sylvania Ave.
Sylvania, Ohio 43560
www.sylvaniasouthview.org

Administration 419-824-8580

Kasey Vens	Principal
Sarah Liwo	Assistant Principal Teaching & Learning
Stan Joplin	Assistant Principal Student Services
James Huss	Athletic Director

Guidance 419-824-8737

Michelle Peer	School Counselor
Tony Geha	School Counselor
Jodi Hess	School Counselor
Teresa Ontko	School Counselor

High School Mission Statement

The mission of Southview High School is to promote a challenging curriculum within a secure learning environment through which we prepare our students for responsible citizenship, lifelong success, and productive employment in a global community.

Sylvania Schools

4747 N. Holland-Sylvania Rd.
Sylvania, Ohio 43560

Superintendent's Office 419-824-8500

Veronica Motley	Superintendent
Lisa Shanks	Treasurer
Keith Limes	Asst. Superintendant of Operations
Tim Zieroff	Asst. Super. of Academic Affairs
Sheryl O'Shea	Dir. of Information Technology
Alex Clarkson	Director of Teaching and Learning

Board of Education

Julie Hoffman	President
Kimberly Conklin	
Greg Feller	
Ruslan Slutsky	
Shannon Szyperski	

School District Vision Statement

To be an exceptional public school district that teaches and inspires students to contribute to society in meaningful and compassionate ways.

Mission

To prepare students to be life-long learners and engaged citizens.

Southview High School

Kasey Vens, Ph.D. Principal

Assistant Principals
Sarah Liwo
Stan Joplin

Athletic Director
James Huss

Dear Students and Parents,

We are excited about the course options that will be available at Southview for the 2020-2021 school year. If this is your first time reading the program of studies, then I encourage you to take note of its organization. At the front of the book, you will find valuable information about important topics such as graduation, athletic eligibility, and honor roll. There are also pages devoted to typical course loads for students interested in various career pathways. The back half of the book consists of descriptions of both required and elective courses. These are organized by grade level and by department. The descriptions outline expectations, pre-requisites, and fees associated with particular courses. If you are familiar with the layout of the program of studies, I want to draw your attention to a few new course offerings. There are three new courses in the art department: *Digital Photography*, *Crafts in Art*, and *Murals*. *Environmental Systems Technology* is a joint endeavor between the science and career tech departments. In this class, students will examine agricultural sustainability, energy needs, pollution control, and environmental contamination. Finally, students may also choose *Weight Lifting* as a physical education elective this year.

Students will have three options for earning college credit before leaving Southview. As further evidence that Southview is an elite college preparatory high school, I submit that we will be offering 21 different AP classes during the upcoming school year. If you are interested in a four-year college or university after graduation, we encourage you to explore the option of taking at least one AP course while you are here. Secondly, dual enrollment options are available for a wide variety of career tech programs and a small number of academic courses. These courses enable students to learn on Southview's campus and simultaneously earn college credit. Finally, the *College Credit Plus* program allows students to take college courses while they are still in high school.

Students, as you begin the scheduling process, we hope the program of studies will help to answer some of your questions and serve as a starting point for exploring your interests. You should not hesitate to contact your counselor or a principal if you have any questions. Please discuss possible options with your parents and other adults in your life. We want you to have a rich high school experience that will prepare you to meet the goals you have for the rest of your life after graduation.

Sincerely,

Kasey Vens, Principal

7225 Sylvania Avenue, Sylvania, Ohio 43560 • 419-824-8580, Fax: 419-824-8678
Email: kvens@sylvaniaschools.org • Counselors 419-824-8737
www.sylvaniasouthview.org

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General Information

2021-2022

STATEMENT OF COMPLIANCE WITH FEDERAL LAWS

The Sylvania Schools District complies with federal laws to prohibit discrimination in programs and activities receiving federal assistance.

Title VI of the Civil Rights Act of 1964 prohibits discrimination on the basis of race, color, or national origin.

Section 504 of the Rehabilitation Act of 1973 prohibits discrimination on the basis of an individual's disability.

Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex.

The Age Discrimination Act of 1975 prohibits discrimination on the basis of age.

The Sylvania Schools District also complies with the Family Education Rights and Privacy Act of 1974, which grants to parents/guardians the rights to examine their children's official school records.

The Sylvania Schools District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups.

NOTICE TO STUDENTS

The Board of Education is committed to equal opportunity in education and employment.

Qualified students shall not be denied admission to the public schools, or to a particular course or otherwise discriminated against on the basis of race, color, national origin, sex, or disability, or any other basis of unlawful discrimination.

To carry out these policies, the following individuals have been designated to coordinate compliance within designated areas. Questions, requests for information or complaints should be directed to the appropriate office or person listed below:

System Wide Compliance Coordinator

Mr. Keith Limes
Bradley J. Rieger Building
4747 N.Holland-Sylvania Rd.
Phone: (419) 824-8531

Title VI Compliance Coordinator
(Non-discrimination on basis of race, color, national origin)

Contact: Ms. Rose Gaiffe
Bradley J. Rieger Building
4747 N.Holland-Sylvania Rd.
Phone: (419) 824-8594

Americans with Disabilities Act and Section 504 Coordinator
(Non-discrimination on basis of disability)

Contact: Ms. Rose Gaiffe
Bradley J. Rieger Building
4747 N.Holland-Sylvania Rd.
Phone: (419) 824-8594

Career Technical Education Compliance Coordinator

Contact: Mr. Alex Clarkson
Bradley J. Rieger Building
4747 N.Holland-Sylvania Rd.
Phone: (419) 824-8578

Title IX Compliance Coordinator
(Non-discrimination on basis of gender)

Contact: Mr. Robert Verhelst
Bradley J. Rieger Building
4747 N.Holland-Sylvania Rd.
Phone: (419) 824-8583

Guidance and Counseling Services

Each student at Sylvania Southview High School is assigned a counselor. The Guidance Office telephone number is 419-824-8737. Counselor assignments are alphabetical:

Ms. Michelle Peer	**A - Fe**	MPeer@sylvaniaschools.org
Mr. Tony Geha	**Fi - Le**	TGeha@sylvaniaschools.org
Ms. Jodi Hess	**Li - Ro**	JHess@sylvaniaschools.org
Ms. Teresa Ontko	**Ru - Z**	TOntko@sylvaniaschools.org

Students are encouraged to visit the guidance office to see their counselors. Parents are welcome to phone for an appointment with their student's counselor. Additional information is available to parents and students through the school newsletter, *Southview Scene,* as well as on the Southview Guidance tab on the Southview website.
You can also check information on the Southview Counselors' Facebook page: Southview High School Counselors.

Some areas in which counselors may be of help:

The Student and High School
Course selection and scheduling
Coping with the demands of high school
Opportunities for involvement in school and community life
Administration and interpretation of standardized tests

The Student as a Person
Understanding oneself — one's strengths and limitations
Discussion of personal concerns, friends, relationships to others
Family situations which affect school performance
Referral to school and community resources for psychological or psychiatric help, family counseling, medical needs

The Student and Their Future
Career opportunities for post-high school education, colleges, and technical schools
Applications to colleges and technical schools.

STUDENT GUIDE TO SUCCESS

PARENTS:
1. Know your child's schedule and teachers.
2. Keep in contact with school - be visible.
3. Attend as many functions as possible.
4. Remain an active part of child's education.
5. Contact counselors for updated information.
6. Use PowerSchool Account.

STUDENTS:
1. Keep all work up until exams.
2. Develop an organizational system.
3. Use your agenda book daily.
4. Utilize the extra help programs; math tutoring, guided study hall, and after school intervention.
5. Keep in touch with your teachers - know how and when to talk to them.
6. Check the guidance website.
7. Use PowerSchool Account.

GRADUATION PARTICIPATION REQUIREMENTS

Graduation participation will be based on Sylvania City School District Board of Education policy. Beginning with the class of 2018, students must pass the Ohio Core Curriculum, participate in all Ohio State Tests (OST), and meet an approved pathway to graduation defined by the Ohio Department of Education. Link to the requirements http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements.

All students must participate in commencement practice in order to participate in commencement.

EARLY COMPLETION (GRADUATION)

Students may be eligible for early completion. A student desiring to complete his/her credits before the spring of their senior year must meet with their counselor to discuss if this is a possibility. If the student has all the pre-requisites that are needed, the next step would be for the student/parent to make an appointment with the principal and counselor by the 5th day of the start of the senior year to ensure correct scheduling.

Seniors who graduate early are **not** eligible to participate in extracurricular activities during the second semester. However, sport seasons that overlap the time of early graduation may be completed. January graduates are eligible to participate in the June graduation ceremony.

STUDENT RECOGNITION (GRADUATION)

For the graduating classes of 2018 and beyond:

The class ranks of students will be calculated and reported consistent with board policies and guidelines, but will not be published.

Honor	G.P.A.
Cum Laude	3.5 – 3.749
Magna Cum Laude	3.75 – 3.999
Summa Cum Laude	4.0 and above

Students will be recognized at graduation according to the honors listed above.

OHIO COLLEGE ENTRANCE RECOMMENDATIONS

4 credits of English
3 credits of Social Studies
4 credits of Science
4 credits of Mathematics
2 or 3 credits of World Language
1 credit of Fine Arts

Checklist for College Planning

WHEN TO BEGIN	WHAT TO DO	HOW TO DO IT
Freshman and sophomore years	**Become familiar with college entrance requirements and continue career exploration activities.** Which courses in your high school curriculum satisfy college requirements? Do you have a plan for extracurricular involvement?	Work with parents, teachers, and counselors to create a four-year high school curriculum plan to satisfy your goals. Try job shadowing. Get involved at school and in your community.
September - March of junior year	**Think about your reasons for going to college.** What are your goals? What learning opportunities are most important? Do your college plans include career plans?	Talk with your parents, counselors, teachers, and friends. Investigate possible career options and degree level required.
January - March of junior year	**Identify important factors in choosing a college.** Two-year or four-year? Locations? Cost? Kind of atmosphere? Variety of study programs available? Entrance test requirement?	Focus on your goals and interests. Consult college guidebooks. Explore colleges on the Internet. Prepare for your college admission test.
March - August of junior year	**List colleges you are considering and collect information.** Have you included all possible choices? What information do you need? How can you get it?	Attend college fairs and college night programs. Prepare for and visit colleges. Take appropriate college admission test.
June - December of senior year	**Compare the colleges on your list.** Have you weighed pros and cons carefully? Which colleges will meet your needs?	Continue visiting colleges. Organize information into detailed, useful comparisons.
August - December of senior year	**Apply to your "choice" colleges.** Do you have all the necessary forms? Are you sure of the application deadlines?	Continue visiting colleges. Organize information into detailed, useful comparisons.
October - February of senior year	**Apply for financial aid.** Have you investigated all possible sources of aid? When should you apply?	Consult financial aid office. Secure forms and note deadlines. Complete the FAFSA after October 1.
November - May of senior year	**Make some final decisions.** What additional preparation might be helpful? Should you consider summer school? Do you feel comfortable with your final choice?	Confer with parents and counselors. Confirm your decision, and decline other admission offers. Show initiative.

Distinguished Graduation Options

GLOBAL STUDIES CAPSTONE

The Global Studies Diploma program focuses on promoting global competency and an enhanced worldview for high school students. Students who participate in the Global Studies Diploma program will participate in a set of educational activities and experiences in their community that will challenge them to explore and engage with other cultures. The goals of this program are to help students develop cultural awareness, empathy and advocacy and to prepare students with the 21st century skills needed for success in the globalized world.

The Global Studies Diploma program consists of 4 concentrations: Celebrate Culture, Deeper Investigation through Globally Significant Research, Communicate Effectively, and Action. Each concentration should take students 1 year to complete. The first 3 badges will be completed independently by the student through coursework and community experiences with the help of the program advisor. The Action badge will require students to complete a capstone project or internship. Students completing the capstone project will enroll in the new Global Studies Capstone course. After completing the program, students will receive the Global Studies Diploma recognition from the World Affairs Council of Northwest Ohio.

AP CAPSTONE

The College Board's AP Capstone is an innovative college-level program based on two new courses - AP Seminar and AP Research - that complement and enhance discipline-specific AP courses.

The program provides students with an opportunity to engage in challenging scholarly practice of the core academic skills necessary for successful college completion. The ability to think independently, write effectively, research, collaborate, and learn across disciplines is essential for success in college, career, and beyond.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. This signifies their outstanding academic achievement and attainment of college level academic and research skills. Students who earn scores of 3 or higher in both AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate.

OHIO DIPLOMA WITH HONORS

Ohio offers several options for Honors Diplomas, including

- **Academic Honors**
- **Career Tech Honors**
- **STEM Honors**
- **Arts Honors**
- **Social Science & Civic Engagement Honors**

Please check the table on the previous page for detailed requirements for each Honors Diploma.

CRITERIA FOR DIPLOMA WITH HONORS

New Diploma with Honors criteria will be effective for the class of 2021 and beyond. These criteria may be used by graduating classes of 2017-2020 as well.

Ohio | Department of Education

Ohio High School Honors Diploma

Criterion	Ohio Diploma	Academic Honors Diploma	International Baccalaureate Honors Diploma	Career Tech Honors Diploma	STEM Honors Diploma	Arts Honors Diploma (Includes dance, drama/theatre, music, and visual art)	Social Science & Civic Engagement Honors Diploma
Math	4 units, must include one unit of algebra II or equivalent	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	5 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content[4]	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content
Science	3 units	4 units, including two units of advanced science[2]	4 units, biology, chemistry, and at least one additional advance science[2]	4 units, including two units of advanced science[2]	5 units, including two units of advanced science[2]	3 units, including one unit of advanced science[2]	3 units, including one unit of advanced science[2]
Social Studies	3 units	4 units	4 units	4 units	3 units	3 units	5 units
World Languages	N/A	3 units of one world language, or no less than 2 units of each of two world languages studied	4 units minimum, with at least 2 units in each language studied	2 units of one world language studied	3 units of one world language, or no less than 2 units of each of two world languages studied	3 units of one world language, or no less than 2 units of each of two world languages studied	3 units of one world language, or no less than 2 units of each of two world languages studied
Fine Arts	2 Semesters	1 unit	1 unit	N/A	1 unit	4 units	1 unit
Electives	5 units	N/A	N/A	4 units of Career-Technical minimum[3]	2 units with a focus in STEM courses	2 units with a focus in fine arts course work	3 units with a focus in social sciences and/or civics
GPA	N/A	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT/ WorkKeys[1]	N/A	27 ACT/1280 SAT[8]	27 ACT/1280 SAT[8]	27 ACT/1280 SAT[8]/WorkKeys (6 Reading for Information & 6 Applied Mathematics)[7]	27 ACT/1280 SAT[8]	27 ACT/1280 SAT[8]	27 ACT/1280 SAT[8]
Field Experience	N/A	N/A	Complete a field experience and document the experience in a portfolio specific to the student's area of focus[5]	Complete a field experience and document the experience in a portfolio specific to the student's area of focus[5]	Complete a field experience and document the experience in a portfolio specific to the student's area of focus[5]	Complete a field experience and document the experience in a portfolio specific to the student's area of focus[5]	Complete a field experience and document the experience in a portfolio specific to the student's area of focus[5]
Portfolio	N/A	N/A	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts[6]	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts[6]	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus that is reviewed and validated by external experts[6]	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus that is reviewed and validated by external experts[6]	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus that is reviewed and validated by external experts[6]
Additional Assessments	N/A	N/A	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent	N/A	N/A	N/A

NOTE: Items shaded in blue are changes that were made to the honors diploma system, including the entire STEM, Arts, and Social Science and Civic Engagement Honors Diplomas

1/24/17

½ unit physical education
½ unit health
½ unit in American history
½ unit in government

**Advanced science refers to courses in the Ohio Core that are inquiry-based with laboratory experiences and align with the 11/12th grade standards (or above) or with an AP science course, or with the new high school syllabi, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy), or contain material above the current OST level.

DIPLOMA SEALS

Beginning with the class of 2023, students are required to earn two of the following diploma seals for graduation; seals demonstrate college or career readiness aligned to personal goals and interests. Seals will appear on a student's transcript.

Ohio Means Jobs Readiness Seal
Industry-Recognized Credential Seal
College-Ready Seal
Military Enlistment Seal
Citizenship Seal
Science Seal
Honors Diploma Seal
Seal of Biliteracy
Technology Seal
Community Service Seal
Fine and Performing Arts Seal
Student Engagement Seal

PRESIDENTIAL ACADEMIC FITNESS AWARD

Granted for excellence based on:

1. overall point average (3.5 on a 4 point scale)
2. outstanding scores on the SAT or ACT (80% percentile)
3. earn an average score of 4 or higher on all of the EOC exams.

NCAA ELIGIBILITY

http://www.ncaa.org/student-athletes/future

Students who wish to participate in College Division I or Division II sports must now be certified by the National Collegiate Athletic Association (NCAA). Eligibility requirements are subject to change; therefore, students should begin this process early in their junior year with their counselors.

The NCAA has approved the following courses for use in establishing the initial-eligibility certification status of student athletes from Northview High School:

English
English 9
Honors English 9
English 10
Honors English 10
American Literature
AP English Lit & Comp
AP English Lang & Comp
Creative Focus (SV)
Creative Writing
Debate
Public Speaking
Senior Humanities
Senior Composition & Literature
AP Language and Composition
AP Literature and Composition
Oral Communications I
Junior Humanities

Social Science
American Government
AP US Government
American History
AP European History
AP World History
AP Macroeconomics
AP Microeconomics
AP US History
Contemporary Law
Geography
Global Studies Capstone
AP Economics
Psychology I
AP Psychology
Sociology
World Studies
Honors World Studies

Mathematics
Algebra I
Honors Algebra I
Algebra II
Hon Algebra II
Algebra I 2B (1cr/year max)
Hon Calculus
Calculus AB/AP
College Prep Math
Geometry I 2B (1cr/year max)
Modern Geometry
Hon Modern Geometry
Pre-Calculus
Hon Pre-Calculus
Statistics /AP
Calculus BC/AP

Additional Core Courses
French I
French II
Honors French III
Honors French IV
French Language/AP
German I
German II
Honors German III
Honors German IV
Spanish I
Spanish II
Honors Spanish III
Honors Spanish IV
Spanish Language/AP

Natural/Physical Science
Honors Anatomy
Anatomy
Astronomy I
Astronomy II
Biology
BiologyAP
Biochemistry
Chemistry
ChemistryAP
Environmental Science I
Environmental Science II
Environmental Science AP
Geology
Zoology I
Zoology II
Physics I
Physics II
Physics I AP
Honors Physics
Honors Physical Science 9
AP Seminar
AP Research
Forensic Science
Honors Forensics

Actual registration can also be completed online with Internet access. Students should take the ACT test or the SAT test (or both) beginning their junior year. These scores plus the grade point average (GPA) will be used by the NCAA clearinghouse to determine eligibility to participate in college sports at the Division I and Division II levels.

More information and registration forms are available through www.ncaaclearinghouse.net

Special Programs

ADVANCED PLACEMENT COURSES

Sylvania offers Advanced Placement (AP) courses in English, Mathematics, Social Studies, World Languages and Science. These courses provide an opportunity for students to enroll in college-level courses while still in high school. AP classes are rigorous, demanding, challenging in-depth approaches to the subject matter. They prepare students for college level work.

The following are the AP course offerings:

English Literature & Composition
English Language & Composition
European History (SV)
World History (NV)
US History
Psychology
Economics
US Government & Politics
Statistics
Calculus AB
Calculus BC
Chemistry
Biology
Environmental Science
Physics I
French Language & Culture
Spanish Language & Culture
Art History
Music Theory
Computer Science Principles
Computer Science A
Seminar
Research

(Prerequisites for AP courses are listed in the course description.)
AP Course offerings are subject to change according to the AP Audit process conducted by the College Board
AP or Honors changes - A teacher/parent conference is recommended before changes are made to a student's schedule.

Selection Criteria
The measures listed below are required for admission to an AP course. The first item (teacher or department recommendation) is mandatory. One or more of the other six measures must be met depending on the individual course.

1. Teacher or department recommendation
2. Scholastic achievement
3. Counselor recommendation
4. Interview
5. Essay
6. Standardized test results
7. Required prerequisite courses

AP Examinations
AP courses also prepare students to take the AP Exams. Depending upon performance on these tests and the policies of the college they attend, students can earn college credit. Students enrolled in AP classes should consider taking the AP Exam.

Students who cannot afford to pay the AP Exam fee may be eligible to receive financial help. A request for financial aid must be filed with the Assistant Principal for Teaching and Learning by October 1 of each year.

AP Grading Procedure
A weighted grading scale is in use for Honors and AP courses (Refer to grading scale, p. 18). Students who earn a grade of D at the end of the first 9 weeks in an AP course are encouraged to have a conference with the teacher, the student's counselor, and the parent. Existing procedures for dropping or transferring from a course will be used.

PROGRAMS FOR ACCELERATED STUDENTS

HONORS COURSES

Eligibility for Honors Courses is based upon:

1. Teacher recommendation
2. Student achievement in subject matter

Honors Courses offered:

English
English 9 & 10
Oral Communications

Science
Physical Science
Biology
Chemistry
Anatomy
Physics (SV)
Forensics

Social Studies
World Studies

World Language
Spanish III
Spanish IV
French III
French IV
German III
German IV
Chinese III
Chinese IV

Art
Senior Studio 2D Design
Senior Studio 3D Design

Math
Modern Geometry
Algebra I
Algebra II
Pre-calculus
Calculus

Communication
Journalism
Yearbook
Drama

Music
Band/Orchestra/Choir

Career Tech
Business Technology
Computer Programming
Construction
Education and Training
Engineering Tech Prep
Financial Management
Horticulture
Interactive Media
Medical Technology
Theatrical Performing Arts
Visual Communications Design

Special Information

ATHLETIC ELIGIBILITY

Eligibility shall be determined on a quarter by quarter basis. The required 1.5 grade point average shall be cumulative of all courses taken the previous quarter. Student participants in athletics must meet OHSAA standards which is equivalent to **5 units of credit** the previous quarter and the Sylvania policy standard which is the 1.5 grade point average the previous quarter.

No player may transfer from one sport to another after the first scheduled contest. If a player quits, or is removed from a team, he/she may not join another sport or participate in any preseason conditioning, open gyms, open skates, etc., until the season which they are no longer participating in is completed.

INCOMPLETE GRADES "I"

Students who receive an "I" for incomplete must make arrangements to make up the work within two (2) weeks of the end of the quarter or the grade will become an "F." Exceptions to this must be approved by the principal.

HONOR ROLL

Outstanding academic achievement is recognized by the Honor Rolls, compiled and published at the end of each nine week grading period. A student must take five courses to be considered for the honor roll.

Highest Honor	4.0 or better
Honor Roll	3.5 - 3.99
Merit Roll	3.0 - 3.499

REPEATING COURSES

Required courses that are failed should be taken in summer school or through Sylvania credit recovery programs when possible. Failure to make up a course in the summer may ultimately delay graduation. Students must consult with their counselor to develop a credit recovery plan. Students who hire a private tutor to repeat coursework must have assistant principal of teaching and learning approval, sign a contract, and meet state guidelines. The student must take a department exam to earn course credit. The student should see a counselor BEFORE he or she considers this option. Grades from alternative learning opportunities (e.g. GradPoint) will be averaged with other grades. If any course is repeated via traditional delivery method, the higher grade will be counted in the GPA. The class being repeated must be the same class as originally taken. Courses taken during the summer must be completed prior to the start of the next school year.

OPEN ENROLLMENT POLICY

Open enrollment for secondary schools begins the **first day school is in session in November through the last school day before the Winter Break of the current year.** Applications can be obtained through Student Services located on the first floor in the Administration Building between the hours of 7:30 am - 4:00 pm, Monday - Friday. Approval is contingent upon space availability in the school of your choice. A copy of the open enrollment policy will be provided with all applications.

COLLEGE CREDIT PLUS

Eligible students can take a course and earn high school and college credit that appears on both the high school and college transcripts.

There is no cost for the student to participate in College Credit Plus when the student is enrolled in a public college or university. Students choosing to enroll in a participating private college or university might incur costs.

With both programs, there are several conditions that must be met. Students interested in participating in College Credit Plus must see their school counselor for full details. **Prior to the deadline, a required informational meeting will be scheduled to outline the details of this program. All interested students and parents must attend.**

For more information visit sylvania http://www.sylvaniaschools.org/HighSchoolCurriculumAlternatives.aspx

CREDIT FLEXIBILITY

Students will have an opportunity to earn credits through the district's Credit Flexibility Plan. Please visit the district website at http://www.sylvaniaschools.org/CreditFlex.aspx to view and download the Sylvania Credit Flex Plan.

GRADING SCALE

The grade card contains the following information each semester:

1. A letter grade for the first and second nine-week periods.
2. A letter grade for the exam.

Each reporting period is 40% of the semester average while the exam equals 20%. The final percentage determines the letter grade that is listed on the transcript.

The semester grade is determined by multiplying the 1st marking period grade by two as shown in the chart below. The 2nd marking period grade is also multiplied by two. Finally, the exam grade is added to the sum of both marking periods and divided by five.

Example:

1st Quarter Grade	2nd Quarter Grade	1st Semester Exam
99/A+	91/A-	91/A-

A+ A- A- = (99 x 2) + (91 x 2) + 91 = 471/5 = 94.2 = A
A minimum total of 298 is necessary to receive a passing grade for the semester.

Grading Scale & Conversion Chart

Grade	Grade Range	Conversion Equivalent	Honors Conversion Equivalent	Advanced Placement Conversion Equivalent
A+	98-100	4.0	4.5	5.0
A	93-97	4.0	4.5	5.0
A-	90-92	3.7	4.2	4.7
B+	87-89	3.3	3.8	4.3
B	83-86	3.0	3.5	4.0
B-	80-82	2.7	3.2	3.7
C+	77-79	2.3	2.8	3.3
C	73-76	2.0	2.5	3.0
C-	70-72	1.7	2.2	2.7
D+	67-69	1.3	1.3	1.3
D/P	60-66	1.0	1.0	1.0
F	50-59	0	0	0
DNA	Did Not Attempt	0	0	0

- The top of the grading scale is capped at 100 while the bottom is set at 50.
- For honors classes, a student earning the grade of A+ through C- will receive an additional .5 on the semester average GPA.
- For Advanced Placement (AP) classes, a student earning the grade of A+ through C- will receive an additional 1.0 on the semester average GPA.
- A student earning any combination of two F's in one semester automatically fails the course.
- A student may receive a grade of "P" if in the teacher's judgment the effort is commensurate with a passing grade.
- "I" is an incomplete. An "I" must be removed within ten school days or it becomes an "F" unless the administration grants an extension.
- "W" is a withdrawal from the course.
- "DNA" (Did Not Attempt) is a designation used for students who do not attempt an exam. The DNA value is zero. DNA designation may include by not be limited to: Non-attendance, attendance but not attempted, answers minimal questions, answers are random and indicates student had not read the questions, and final score is extremely low and does not show work if required.

Career Technical Education

PROGRAM INFORMATION

PLAN NOW FOR YOUR LIFE AFTER HIGH SCHOOL

Career Technical Education programs will provide all students with the knowledge, skills, and attitudes essential to meet a lifetime of career challenges in a competitive global society by recognizing and drawing upon the strengths and interests of each student. Programs offered respond to the needs of a fast changing global workforce and economy. The Career Technical Education programs provide career related experiences, advanced college placement and/or credits, and licensure/certification opportunities. Career Technical Education is the place where your career begins. The programs stress the importance and need of strong academic knowledge and skills along with the high school to postsecondary transitions. Career Technical Education brings education to life using problem-based and inquiry based curriculum. The classes provide a seamless pathway for students to easily advance to postsecondary education or the workforce.

Career Technical Education provides:

- •A way to combine academic and career technical courses to achieve a first-class education
- •Hands-on experiences that can unlock many new options
- •Employability skills, from job-related skills to workplace ethics
- •Career pathways that link secondary and postsecondary education
- •Advanced credit and articulated credit options
- •A way to explore a field that interests you
- •A skill that can help you pay for your education
- •Industry credentials and access to and enhanced eligibility for scholarships upon completion of Career Technical programs
- •Opportunities for internships, job shadowing, clinicals and early placements
- •A curriculum driven by business and industry partnerships

Career Technical Education involves technical, academic and employability skills needed to prepare you to make informed career choices and to successfully enter, compete and advance in a changing workforce. In the next 10 years, 65 percent of Ohio's new jobs will require high-tech skills. The skills you will learn with a Career Technical Education will give you the extra edge in post secondary education and today's competitive market.

COLLEGE TECH PREP PROGRAM OFFERINGS

Two Year Tech Prep Programs (11 & 12)

Cosmetology
Visual Communication Design
Business Technology
Construction Technology
Education and Training
Financial Management
Interactive Media
Computer Programming
Engineering
Medical Technology
Horticulture
Theatrical Performing Arts

Family & Consumer Science

Career and College Readiness
Child Development
Food Science and Culinary Art (1 year)
Personal Wellness and Development
Transitions and Careers
Principles of Food

Career Cluster Pathways Offered

Arts & Communications
Business & Management
Engineering & Industrial
Horticulture
Health, Education and Human Services
Information Technology

CAREER TECHNICAL EDUCATION ADMISSIONS AND ENROLLMENT POLICY

The selection and admission process for Sylvania's Career Technical Education programs begins in the sophomore year. Through the various career awareness activities held on both school campuses, students have an opportunity to learn about each program.

Students interested in applying for a Career Technical Education program must complete an application (available in the guidance office) that is signed by the parent/guardian and returned to the guidance counselor. Programs begin in the fall of the junior year. Credits earned for parts of the total program passed each semester will be added to the student's cumulative total. Students who fail their program will be withdrawn and rescheduled in other academic classes necessary for graduation.

Students who are entering their junior year are eligible to apply for a program if they have completed the minimum requirements of:

2 credits English
2 credits Math
2 credits Science
1 credit physical education/health

Seniors applying are required to have additional courses plus a minimum of 12 credits.

If a student does not meet the minimum eligibility requirements, and there is space available in the program, an educational plan may be used to admit that student.

Some Career Tech Education programs can be taken for Honors credit. See your counselor for details.

Students will be considered for admission to the Career Technical Program on the basis of scholastic record, related experiences, attendance, and discipline record. Program space is limited and will be based on availability and application ranking.

Every effort will be made to place students in their proper programs based on the Career Pathways model as adopted by both Sylvania Northview and Southview. Some programs require, by law, background checks and/or medical releases for participation. See your guidance counselor for more details.

CAREER TECHNICAL OVER-ENROLLMENT POLICY

Career Technical Programs are enrolled with students who can most benefit from class. Good behavior and attendance are extremely important to the success of the student in the programs. Programs will be enrolled to capacity using the following criteria:

1. Completion of the career tech application process.
2. Class status-Juniors will be given priority in the first year of a two year program.
   Seniors may enroll in the first year of a two year program if space is available. Seniors are not permitted to enroll in programs that require two year participation for licensing/industry credentialing.
3. Attendance-Most Career Technical programs meet more than one period per day over a two year period of time. Attendance is critical to the success of students in these programs.
4. Discipline history-The discipline history will be used for calculating scores on the enrollment rubrics.
5. The cumulative GPA will be used for the enrollment rubrics.

Every effort will be made to place students in their proper programs based on the Career Pathways model as adopted by both Sylvania Northview and Southview.

Seniors may choose to spend their senior year in the first year of a two year program, space permitting. It is not unusual that some seniors get to their final year in high school and realize that they don't (or won't) have any hands-on-experience in preparing for the world of work. The idea that "one year's experience is better than no experience" has worked for some pathway areas. Seniors are not permitted to enroll in programs that require two year participation for licensing/industry credentialing.

HOME SCHOOL ENROLLMENT POLICY

All Career Technical Education programs are available to all juniors and seniors regardless of their home school. Home school designation is based on your residence and district boundaries. Enrollment in a Career Technical Education program does not change your designated home school.

TRANSFER BUS POLICY

Students who travel between high schools for their Career Technical Education program will have the opportunity to take the school transfer bus. This option may not be available for single period Career Technical classes.

Students who wish to drive between buildings must follow the driving/parking procedures indicated in the students' home school handbook and complete a Permission to Drive form available from the Career Technical Office or program instructor.

STUDENT ACTIVITIES

Career Technical Education students are encouraged to participate in their home school's extra-curricular activities such as sports, clubs, music, etc. The student will be under the eligibility rules established by the Sylvania Board of Education and the State of Ohio.

EARLY PLACEMENT

Students who have demonstrated above average achievements and have a recommendation from their instructor may be eligible for early job placement. Students are placed in a job related to their field of technical training. Early placement will take place during the second semester as arranged by the instructor. They are graded on their work by their employer and may also be paid. The experience provides an opportunity for students to begin the transition from school to work with the encouragement and assistance of their career technical instructor.

CAREER TECHNICAL STUDENT ORGANIZATIONS

Career Technical Education programs offer co-curricular activities in student organizations that provide leadership opportunities at the local, regional, state and national levels.

Business Professionals of America- Today's students—tomorrow's business professionals. This national organization for Business Technology, Financial Management, and Computer Programming and Interactive Media students provides the members with the opportunity for development of leadership skills, personal and professional growth, social awareness, civic responsibility and an understanding of the business community. Students may compete in regional, state, and national competitions.

FFA- Students enrolled in Horticulture are eligible to participate in FFA activities. Activities at the local, district, state and national level help students develop leadership skills in fulfilling occupational, social and civic responsibilities. Members are eligible for local, district, state and national awards in various contests and activities.

FCCLA- Family Community & Career Leaders of America helps prepare students with salable skills, opportunities to work with people in the business community and to participate in activities at district, state, and national levels. Students enrolled in Education in Training, and Family and Consumer Sciences programs are eligible for membership.

Skills/USA - Activities center on discussion and investigation of occupational opportunities, competition that displays skills learned, and efforts to better understand the citizenship responsibilities as they are unique to the individual person. Students enrolled in Construction Tech Prep, Cosmetology, Engineering Tech Prep, and Visual Communication Design may become members of Skills USA.

HOSA – Future health professionals in Medical Technology develop leadership and technical skills through participation in this intracurricular activity.

Educators Rising, a national organization for students in the Education and Training Program, cultivates highly skilled educators by guiding young people on a path to become teachers, beginning in high school and extending through college and into the profession. Participation in local, state and national competitions and conferences allows students to demonstrate their knowledge, skills and leadership in education. Scholarship opportunities are available as well."

*** <u>Note</u>: Fees are reviewed annually for Board of Education approval.**

Career Pathways
2021-2022

Information to Parents

Defining and exploring a career path during high school that matches a student's interests and skills is crucial to attaining success in college and careers. This Career Connections Guide will help students and parents design a high school learning experience that will prepare students academically and technically for a career of their choice.

Sylvania Schools offers coursework in six career pathways and twelve career fields. Career Pathways provide a collective look at education and training, wage, and job outlook information for related occupations. A Career Pathway includes an Academic Pathway that serves as the foundation for related careers.

Sylvania Schools Career Pathways

Our counselors and teachers will lead students through career advising activities and guide them to the completion of a student success plan. This process helps students understand how their personal interests, strengths, and values might predict satisfaction and success in school and related career fields, as well as how to link these interests and strengths to their academic and career goals. Students will create a high school schedule, which will prepare them for college and careers, by aligning academic coursework, career exploration, and career skill attainment.

Overview of the Student Success Plan Outline

	6	7	8	9	10	11	12
Learning style	x			x			x
Career interests	x	x	x	x	x	x	x
Strengths/skills	x	x		x	x	x	x
Work values	x	x				x	x
Academic and career pathways	x	x	x	x	x	x	x
School courses and programs	x	x	x	x	x	x	x
Career exploration activities	x	x	x	x	x	x	x
Postsecondary education and training programs				x	x	x	x
College and career planning and preparation		x	x		x	x	x

Getting Started

Complete The Student Success Plan, and use the resources below to define a career path. Then, refer to the Career Pathways pages 22-33 to connect your high school courses to your chosen career. A sample schedule is provided for each pathway. All students are encouraged to take the academic and career courses that will prepare them for a future career. The pathway electives section highlights courses that will provide career-ready skills for the chosen career.

Ohio Means Jobs K-12	Explore, Plan, Fund, Find Careers
Occupation Search	Select Industry (Pathways) & Explore Interests
In-Demand Careers	Current Job Market Trends
Career Pathways	Overview of Career Options & Education Required

CAREER PATHWAY HIGH SCHOOL
Occupations - Arts & Communications

The **Arts & Communications** cluster includes the entry, technical and professional level career options within the performing, visual, written, and media arts. This cluster includes but is not limited to the following industries: theater, film, mass media, journalism, literature, fine arts, TV/radio broadcasting, advertising, public relations, graphic design, printing/publishing, telecommunications, and technical writing. Many of the skills learned in this area can be transferred to areas in business and human services. Because communication is a skill needed for success in working with people, this pathway is often considered a foundation skill for other areas.

IS THIS YOU?

Can you work accurately with detailed information?
Can you read and follow directions?
Do you have artistic ability?
Do you visually like to express your feelings and ideas?
Do you have clear written and verbal communication skills?
Do you have observation skills?
Do you have the ability to work alone and in groups?
Are you creative and innovative?

If you answer "yes" to most of these questions, the Arts & Communications Pathway may be for you.

Career Opportunities by Educational Level

Four Years of College and beyond

Agents and Business Managers
Architectural Drafters
Art Directors
Choreographers
Copy writers
Creative Writers
Curators
Desktop Publishers
Editors
Fashion Designers
Interpreters and Translators
Landscape architects
Music directors
Painters & Illustrators
Producers
Public Relations Specialists
Sculptors
Audio/Video Equipment Technicians
Set & Exhibit Designers
Technical Writers

1-2 Years Training/Education

Actors
Broadcast Technicians
Cartoonists
Commercial & Industrial Designers
Computer Systems Analysts
Film & Video Editors
Graphic Designers
Interior designers
Interpreters & Translators
Jewelers
Make-up Artists (Theatrical Performances)
Musical Instrument Repairs
Paste up Workers
Pre-Press Technicians
Professional Photographers
Proofreaders
Web Developers
Telecommunications Line Installers & Repairers

High School

Copy Writers
Craft Artist
Etchers & Engravers
Film Lab Technicians
Floral Designers
Job Printers
Stock Clerk, Sales Floor
Telemarketing

Arts and Communications Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	**Core**	Additional requirements may be necessary for acceptance to some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
9	English Math Science World Studies	Health & Physical Education	World Language	Career Based Elective		•Art Foundations •Drama I •Theater Workshop •Dance Foundations •Public Speaking •Photojournalism (NV) •Introduction to Journalism (NV)	•Orchestra(s) •Band(s) •Choir(s) •Computer Graphic Design I •Intro to Visual Technology •Computer Graphic Design I •Journalism Writing & Design (SV)
10	English Math Science American History	Physical Education	World Language	Elective	Elective	•2D or 3D Design •Art Appreciation •Drama I •Theater Workshop • Dance Foundations •Public Speaking •Photojournalism (NV) •Introduction to Journalism (NV) •Journalism •Yearbook	•Orchestra(s) •Band(s) •Choir(s) •Broadcast Journalism (NV) •Journalism Writing & Design (SV) •Computer Graphic Design II
11	American Literature Math Science Social Studies Elective	World Language (recommended for college prep)	Elective	Elective	Elective	•Intermediate 2D or 3D Design •AP Art History •Journalism •Yearbook •AP Music Theory •Theatrical Performing Arts I	•Orchestra(s) •Band(s) •Choir(s) •Pop Music •Interactive Media I* •Visual Communication Design I** •Broadcast Journalism (NV)
12	Senior English Math Science American Government	Elective	Elective	Elective	Elective	•Honors Senior Studio 2D or 3D Design •AP Art History •Journalism •Yearbook •AP Music Theory •Theatrical Performing Arts II	•Orchestra(s) •Band(s) •Choir(s) •Pop Music •Interactive Media II* •Visual Communication Design II** •Broadcast Journalism (NV)

Industry Credential Opportunities: Unavailable

Fine Arts credit required. One credit earned in a career technical track may serve as a fine arts credit.

"Career-technical track" is interpreted as a minimum of one credit or one year in coursework representing coherent sequential career-technical content.

*Dual enrollment or articulated college credits may be awarded upon successful completion of CTE program.

Refer to course descriptions for further information about electives.

CAREER PATHWAY HIGH SCHOOL

Occupations - Business & Management

Business & Management careers include a variety of jobs in areas related to administration and management as well as marketing, finance, accounting, and data processing. Workers in this group use mathematical and analytical skills to design financial systems and interpret records. Others set policies and priorities as well as participate in marketing and sales activities. Professional occupations in this area which require high educational attainment and offer high earnings are expected to grow rapidly.

IS THIS YOU?

Is it important for you to have day-to-day contact with the public?
Are you able to use logical thinking and personal judgment to perform a variety of office tasks?
Are you able to make decisions based on your own judgment and company policy?
Are you able to follow instructions without close supervision?
Are you able to deal with people?
Are you able to change work activities frequently?

If you answer "yes" to most of these questions, the Business & Management Pathway may be for you.

Career Opportunities by Educational Level

Four Years of College and beyond

Administrative Services Managers
Accountants
Actuaries
Advertising & Promotions Managers
Budget Analysts
Computer Hardware Engineers
Computer Systems Analysts
Credit Analysts
Financial Examiners
Financial Managers
Human Resources Specialists
Insurance Underwriters
Loan Officers
Marketing Managers
Purchasing Managers
Sales Agents
Statisticians
Treasurers, Controllers
Chief Financial Officers
Management Analysts

1 – 2 Years Training/Education

Bookkeeping, Accounting, Auditing Clerks
Budget Analysts
Communication Equipment Mechanics, Installers, Repairers
Computer Programmers
Computer, Automated Teller, and Office Machine Repairs
Court Reporters
First-line Supervisors
Food Service Managers
Insurance Adjusters
Job Analysis Specialists
Lodging Managers
Medical Transcriptionist
Operations Research Analysts
Real Estate Brokers
Sales Representatives
Technical Writers
Travel Agents
Wholesale and Retail Buyers

High School

Assessors
Bill & Account Collectors
Brokerage Clerks
Computer Operators
Customer Service Representatives
Data Entry Keyers
Energy Brokers
Insurance Claims Clerks
Insurance Sales Agent
Loan Interviewers and Clerks
Meter Readers, Utilities
Office Clerks, General
Payroll & Timekeeping Clerks
Postal Service Mail Carriers
Reservation & Transportation Ticket Agents
Retail Salespersons
Tellers

Business & Management Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	**Core**	Additional requirements may be necessary for acceptance to some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
9	English Math Science World Studies	Health & Physical Education	World Language	Business Foundations	Elective	•Software Applications •Business Foundations •Intro to Marketing	•Public Speaking (NV)
10	English Math Science American History	Physical Education	World Language	Intro to Marketing	Elective	•Software Applications •Business Foundations •Intro to Marketing •Financial Accounting (NV)	
11	American Literature Math Science Social Studies Elective	World Language (recommended for college prep)	Business Technology I		Elective	•Software Applications •Intro to Marketing •Financial Accounting (NV) •Money Management	•Business Technology I* •Financial Management I*
12	Senior English Math Science American Government	Business Technology II		Elective	Elective	•Software Applications, •Intro to Marketing •Financial Accounting (NV) •Money Management	•Business Technology II* •Financial Management II*

Industry Credential Opportunities: Unavailable

Fine Arts credit required. One credit earned in a career technical track may serve as a fine arts credit.

"Career-technical track" is interpreted as a minimum of one credit or one year in coursework representing coherent sequential career-technical content.

*Dual enrollment, honors credits, or articulated college credits may be awarded upon successful completion of CTE program.

Refer to course descriptions for further information about electives.

CAREER PATHWAY HIGH SCHOOL

Occupations - Environmental & Agricultural

The **Environmental & Agriculture Systems** career cluster includes a variety of jobs within environmental and agricultural industries. This cluster includes careers related to service, research, education and production. Numerous career opportunities exist in agricultural sales and services, animal and crop production, education, engineering and mechanical systems, food processing, horticulture, and natural resources.

IS THIS YOU?

Working in a wide variety of working conditions, inside and outside?
Having contact with plants and animals?
Can you read scientific information and follow directions?
Enjoy working with equipment?
Like to be creative?
Like working with your hands?

If you answer "yes" to most of these questions, the Environmental & Agricultural Systems Pathway may be for you.

Career Opportunities by Educational Level

Four Years of College and beyond

Agricultural Engineers
Agricultural Inspectors
Animal Scientists
Biologists
Criminal Investigators
Environmental Scientists
Farmers & Ranchers
Food Scientists & Technologists
Foresters
Hydrologists
Landscape Architects
Nursery & Greenhouse Managers
Park Naturalists
Plant Scientists
Range Managers
Soil Conservationists
Veterinarians
Zoologists & Wildlife Biologists

1 – 2 Years Training/Education

Animal Breeders
Animal Scientists
Animal Trainers
Biological Technicians
Bus & Truck Mechanics
Farmers & Ranchers
Fish & Game Wardens
Floral Designers
Forest Fire Inspectors & Prevention Specialists
Foresters
Landscaping & Groundskeeping Workers
Nursery & Greenhouse Managers
Pest Control Workers
Veterinary Assistants
Laboratory Animal Caretakers
Veterinary Technologists & Technicians

High School

Agricultural Equipment Operators
Animal Trainers
Butchers & Meat Cutters
Farmers & Ranchers
Food Batchmakers
Forest & Conservation Workers
General Farm Workers
Landscaping & Grounds Keeping Workers
Materials Inspectors
Nursery Workers
Pesticide Handlers
Pest Control Workers
Retail Salespersons
Welder-Fitters

Environmental & Agricultural Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	**Core**	Additional requirements may be necessary for acceptance to some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
9	English Math Science World Studies	Health & Physical Education	World Language	Animal and Plant Science	Elective	•Public Speaking	•Business & Management Foundation
10	English Math Science American History	Physical Education	World Language	Plant and Horticulture	Elective	•Horticulture Leadership and Management •Introduction to Alternative Energy •Engineering Applications •Engineering Design •CAD	•Horticulture Leadership and Management •Plant and Horticulture •Introduction to Alternative Energy •Engineering Applications •Engineering Design •CAD
11	American Literature Math Science Social Studies Elective	World Language (recommended for college prep)	Elective	Elective	Elective	•Horticulture I	•Money Management
12	Senior English Math Science American Government	Elective	Elective	Elective	Elective	•Horticulture II	

Industry Credential Opportunities: OSHA 10

Fine Arts credit required. One credit earned in a career technical track may serve as a fine arts credit.

"Career-technical track" is interpreted as a minimum of one credit or one year in coursework representing coherent sequential career-technical content.

*Dual enrollment or articulated college credits may be awarded upon successful completion of CTE program.

Refer to course descriptions for further information about electives.

CAREER PATHWAY HIGH SCHOOL

Occupations - Health, Education & Human Services

Health & Human Services careers include a variety of jobs in law and leal services, community support areas such as education, medical technician, personal services such as cosmetology, and community support areas such as fire and city services. Medical and educational services are projected to be some of the fastest growing occupations. The jobs in this sector are charted to increase dramatically in the next several years.

IS THIS YOU?

Can you work accurately with detailed information?
Can you work independently?
Do you have excellent physical condition and stamina?
Do you have knowledge of basic math and biology?
Do you have clear verbal skills?
Can you use judgment and reasoning to cope with emergencies such as illnesses, accidents, or interrupted service?
Can you direct, manage, or supervise the activities of others?

If you answer "yes" to most of these questions, the Health & Human Services Pathway may be for you.

Career Opportunities by Educational Level

Four Years of College and beyond

Biostatisticians
Dietitians & Nutritionists
Fitness Trainers & Aerobics Instructors
Health Educators
Occupational Therapists
Physical Therapists
Registered Nurses
Veterinarians
Child, Family & Social Workers
Coaches & Scouts
Food Service Managers
Medical Scientists
Mental Health Counselors
Molecular Biologists
Psychologists
Respiratory Specialists
Special Education Teacher
Training & Development Specialists

1 – 2 Years Training/Education

Chefs and Head Cooks
Child Care Workers
Dental Assistants
Dietetic Technicians
Embalmers
Fashion Designers
Fitness Trainers
Flight Attendants
Hairdressers, Hairstylists & Cosmetologists
Loan Counselors
Massage Therapists
Social & Human Service Assistants
Cardiovascular Technologists & Technicians
Dental Hygienists
Dental Laboratory Technicians
Emergency Medical Technicians Paramedics
Medical Assistants
Medical Equipment Repairers
Nuclear Medicine Technologists
Occupational Therapist Assistants
Pharmacy Technicians
Phlebotomists
Physician Assistants
Surgical Technologists

High School

Ambulance Drivers
Bus Drivers
Dental Assistants
Commercial Pilots
Home Health Aides
Medical Assistants
Nursing Aides, Orderlies
Nursing Attendants
Psychiatric Aides
Cashiers
Child Care Workers
Fire Inspectors
Food Preparation Workers
Hotel, Motel & Resort Desk Clerks
Medical Records
Ophthalmic Laboratory Technicians
Patient Representatives
Receptionists
Information Clerks
Recreation Workers
Security Guards
Teacher Assistants

Health, Education & Human Services Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	**Core**	Additional requirements may be necessary for acceptance to some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
9	English Math Science World Studies	Health & Physical Education	World Language	Career Based Elective	Elective	•Public Speaking (NV) •Teen Issues	•Introduction to Education •Health Careers •Foundation
10	English Math Science American History	Physical Education	World Language	Elective	Elective	•Nutrition & Healthy Lifestyles	•Child Development
11	American Literature Math Science Social Studies Elective	World Language (recommended for college prep)	Elective	Elective	Elective	•Psychology •AP Psychology •Sociology •Contemporary Law •Health Foods	•Medical Tech I* •Money Management •Education and Training I* •Cosmetology I
12	Senior English Math Science American Government	Elective	Elective	Elective	Elective	•Life After Graduation •Child Development •Healthy Foods	•Medical Tech II* •Education and Training II* •Cosmetology II

Industry Credential Opportunities:

Education and Training - First Aid/CPR, Child Abuse Awareness, Communicable Disease Awareness, CDA Eligible
Medical Technology - First Aid/CPR, First Responder, CERT, Ohio Nurse Aide (STNA)
Cosmetology - State Cosmetology License

Fine Arts credit required. One credit earned in a career technical track may serve as a fine arts credit.

"Career-technical track" is interpreted as a minimum of one credit or one year in coursework representing coherent sequential career-technical content.

*Dual enrollment or articulated college credits may be awarded upon successful completion of CTE program.

Refer to course descriptions for further information about electives.

CAREER PATHWAY HIGH SCHOOL
Occupations - Engineering, Industrial, Civil, Biomedical & Aeronautical

The **Industrial & Engineering** careers include a variety of jobs in the automotive, industrial, construction, manufacturing and engineering industries. Often jobs in this area do not require a college degree but must have specific post-secondary training in a specific area. After receiving this training many offer higher than average earnings. Workers in this group collect, record, and coordinate technical information and solve problems related to production. Others operate and maintain equipment or inspect and/or test materials and products to be sure they meet quality standards.

IS THIS YOU?

Can you work independently and with a team to complete projects?
Can you read scientific information and follow directions?
Do you have above average mathematics and science skills?
Can you use the scientific method and arrive at logical solutions?
Do you enjoy solving problems using facts and judgments?
Can you work accurately with detailed information?

If you answer "yes" to most of these questions, the Industrial & Engineering Pathway may be for you.

Career Opportunities by Educational Level

Four Years of College and beyond

Airplane Pilots
Construction Managers
Electronics Engineer
Mechanical Engineer
Aeronautical Engineer
Quality Control Engineer
Civil Engineer
Biomedical Engineer
Air Traffic Controllers
Chemical Engineers
Construction & Building Inspector
Cost Estimators
Industrial Production Manager
Industrial Safety Engineer
Materials Engineers
Occupational Health & Safety Specialists
Remote Sensing Technologists
Sales Engineers

1 – 2 Years Training/Education

Auto body Repairer
Aircraft Mechanics
Architectural drafters
Avionics Technicians
Civil Engineer Tech
Computer Service Tech
Construction Carpenters
Cost estimators
Electro-Mechanical Technicians
Engineering Technicians
Mechanical Drafters
Power generating Plant Operators
Production Inspectors
Production, Planning, and Expediting Clerks
Surveyors
Quality Control Analysts

High School

Aircraft Structure Assemblers
Appliance Services
Construction Laborers
Conveyor Operators & Tenders
Drywall Installers
Electricians Assistance
Electrical Powerline Installers
Energy Auditors
First Line Supervisors of Construction Trades
Heating & Air Conditioning Mechanics
Elevator Installers & repairers
Industrial Machinery Mechanics
Operating Engineers
Purchasing Agents
Roofers
Stationary Engineers & Boiler Operators
Tool and Die Makers
Welders & Cutters

Engineering & Industrial Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	Core	Additional requirements may be necessary for acceptance to some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
						Northview	Southview
9	English Math Science World Studies	Health & Physical Education	World Language	Elective	Elective	•Engineering Applications •Engineering Design •CAD •Intro to Alternative Energy •3D Design	•Engineering Applications •Engineering Design •CAD •Intro to Alternative Energy •Woods/Metals Technology •Robotics •Green Systems Design
10	English Math Science American History	Physical Education	World Language	Elective	Elective	•Engineering Applications •Engineering Design •CAD •Intro to Alternative Energy •3D Design	•Engineering Applications •Engineering Design •CAD •Intro to Alternative Energy •Woods/Metals Technology •Robotics •Green Systems Design
11	American Literature Math Science Social Studies Elective	World Language (recommended for college prep)	Elective	Elective	Elective	•Engineering Tech I*	•Construction Technology I* •Engineering & Fabrication Tech I*
12	Senior English Math Science American Government	Elective	Elective	Elective	Elective	•Engineering Tech II*	•Construction Technology II* •Engineering & Fabrication Tech II*

Industry Credential Opportunities:
Construction Technology - OSHA Safety Certification
Engineering - FEMA and NCCER Credential

Fine Arts credit required. One credit earned in a career technical track may serve as a fine arts credit.

"Career-technical track" is interpreted as a minimum of one credit or one year in coursework representing coherent sequential career-technical content.

*CTAG college credits may be awarded upon successful completion of CTE program

Refer to course descriptions for further information about electives.

CAREER PATHWAY HIGH SCHOOL
Occupations - Information Technology

The **Information Technology** cluster includes the entry, technical and professional level career options within the information management, commercial art, visual, written, and media arts, marketing, and computer information systems. Workers in this group use technical knowledge, artistic expression to communicate and maintain the operations of technical equipment including workstation, systems and networks. Employers in this cluster seek lifelong learners who can locate and use information.

IS THIS YOU?

Are you a logical thinker?
Are you able follow instructions and specific procedures?
Do you have artistic ability?
Are you capable of expressing yourself visually?
Do you like solving problems?
Do you like to direct, modify and assess your own work?

If you answer "yes" to most of these questions, the Information Technology Pathway may be for you.

Career Opportunities by Educational Level

Four Years of College and beyond

Art Directors
Computer & Information Systems Manager
Computer Hardware Engineering
Computer Programmers
Computer Systems Analysts
Creative writers
Database Administrators
Desktop Publishers
Graphic Designers
Information Security Analysts
Network Architects
Network & Computer Systems Administrators
Software Developers

1 – 2 Years Training/Education

Cartoonists
Computer, Automated Teller & Office Machine Repairs
Computer User Support Specialists
Database Administrators
Electronic Drafters
Film & Video Editors
Graphic Designers
Network Support Specialists
Operations Research Analysts
Radio Mechanics
Screen Printing Machine Setters & Set-up Operators
Telecommunications Line Installers & Repairers
Web Developers

High School

Audio Visual Collections Specialists
Computer Operators
Data Entry Keyers
Job Printers
Office Clerks, General
Photoengravers
Photographers Assistants
Receptionists & Information Clerks
Sound Engineering Technicians
Visual Artists
Sound Engineering Technicians
Telemarketer
Word Processor

Information Technology Career Cluster

Courses are offered at various academic levels (Honors and AP) and delivery systems (block and single period). Counselors will assist students in choosing the appropriate level at the time of scheduling.

Recommended Schedule						Pathway Electives	
Grade	**Core**	Additional requirements may be necessary for acceptance to some colleges. See your counselor for information.				Refer to course descriptions for further information about these electives or consecutive courses in the cluster.	
9	English Math Science World Studies	Health & Physical Education	World Language	Career Based Elective	Elective	•Information Technology Foundation •Today's Technology (NV)	•Computer Graphics Foundation •2D Game Design
10	English Math Science American History	Physical Education	World Language	Elective	Elective	•Software Applications (NV) •Intro to Programming •Today's Technology (NV)	•Computer Graphic Design I •Computer Graphic Design II •AP Computer Science Principles •2D Game Design
11	American Literature Math Science Social Studies Elective	World Language (recommended for college prep)	Elective	Elective	Elective	•Interactive Media I* (NV)	•Visual Communications Design I* (SV) •Computer Science I* (NV) •Honors Programming I* (SV)
12	Senior English Math Science American Government	Elective	Elective	Elective	Elective	•Interactive Media II* (NV)	•Visual Communications Design II* (SV) •Computer Science II* (NV) •Honors Programming II* (SV)

Industry Credential Opportunities: Unavailable

Fine Arts credit required. One credit earned in a career technical track may serve as a fine arts credit.

"Career-technical track" is interpreted as a minimum of one credit or one year in coursework representing coherent sequential career-technical content.

*Dual enrollment or articulated college credits may be awarded upon successful completion of CTE program.

Refer to course descriptions for further information about electives.

Course Descriptions

2021-2022

www.sylvaniasouthview.org

Telephone Numbers

Sylvania Southview High School 419-824-8580

Administration

Kasey Vens, *Principal* 6101
Cindy Edwards, *Secretary* 6100
Claire Kozlowski, *Records Secretary* 6105
Sarah Liwo, *Assistant Principal, Teaching and Learning* 6102
Melissa Smith, *Secretary* 6103
Stan Joplin, *Assistant Principal, Student Services* 6104
Julie Roth, *Secretary* 6106
Jim Huss, *Athletic Director* 6115

Guidance

Lisa Yoshino, *Guidance Secretary* 6112
Michelle Peer, *A - Fe School Counselor* 6110
Tony Geha, *Fi - Le School Counselor* 6111
Jodi Hess, *Li - Ro School Counselor* 6113
Teresa Ontko, *Su - Z School Counselor* 6114

Resource Center

Laurie Huebner, *Media Specialist* 6123

Department Chairs/Liaisons

Career Technology ..... Jon Austin
English ..... Paul Moffitt
Guidance ..... Teresa Ontko
Math ..... Matt Fojtik
Science ..... Neal Ellis
Social Studies ..... Lee Boyer
Special Education ..... Chris Awls
Supporting Disciplines ..... Sara Snead
World Language ..... Lucas Hoffman

GRADUATION REQUIREMENTS

It is the student's responsibility to see that the requirements for graduation are met. Southview High School will make every effort to keep up-to-date records and students and parents informed about the status of progress toward completing the necessary course work for graduation. However, it is the student's responsibility to be acquainted with necessary graduation requirements.

In order to meet the prescribed standards set forth by the State Department of Education and Sylvania Board of Education and to help pupils select the proper sequence of courses, the following regulations and suggestions are listed:

•Twenty-two (22) units of satisfactory work at the high school level are required for graduation.

•Sylvania Board of Education Policy 6140 (Promotion Through the Grades) requires that some identified students with learning difficulties will be assigned to appropriate classes for remediation. Successful completion of these courses shall take precedence over taking other courses outside the core curriculum.

CLASSES OF 2019 and Beyond

•Students must pass the Ohio Core Curriculum, participate in end of course exams, and meet one of the **state-required pathways** to graduation (http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements) Follow this link for updated information on

Graduation Pathways requirements.

1. Earn the required individual and cumulative scores on end-of-course Ohio State Tests. The scores will be set by the State Board of Education.

2. Earn a "remediation-free" score on a nationally recognized college admission exam such as ACT or SAT.

3. Earn a State Board of Education-approved, industry-recognized credential or a state-issued license for practice in a career and achieve a score that demonstrates workforce readiness and employability Work Keys.

*Additional graduation options may exist. Refer to the ODE website for updated details. http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements

1. One credit of World Studies, 1 credit American History, .5 credit American Government, remaining 1 credit elective.
2. Math units must include Algebra II.
3. Students must complete at least two semesters of fine arts. Students following a career-technical pathway are exempted from the fine arts requirement. Please see your guidance counselor for details.
4. Five of the 6 electives must be chosen from foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education, or English, mathematics, or science, social studies courses not otherwise required.
5. Please see the course descriptions for qualifying courses.

Sylvania Requirement	*Credits*
English	4
Social Studies[1]	3
Science	3
Math[2]	4
Health/Physical Education	1
Fine Arts[3]	1
Electives[4]	6.0
Total Credits	22

SCHEDULING PROCEDURES

1. All eighth, ninth, tenth and eleventh grade students must fill out registration forms for the next year even though they may plan to attend another school.
2. Students should discuss course selections for the following year with their parents.
3. The registration form must be filled out and signed by both student and parent (Recommended courses will be indicated). Course Selection will be completed online.
4. The recommended course load is six (6) periods of course work per semester for seniors and seven (7) periods for underclassmen.
5. Juniors and seniors may request an AM or PM flexible schedule. An AM flexible schedule will allow for a delayed starting time. A PM flexible schedule will allow for an early release time (Please see your counselor for the flex scheduling paperwork detailing rules and restrictions.).
6. The school reserves the right to limit or cancel any classes which are offered in the program of studies.

POST SECONDARY TRANSITION ACTIVITIES (FLEX SCHEDULING)

Post Secondary Transition Activities provide the opportunity to explore educational and work options outside of the traditional school day. This student-centered format encourages students to explore job shadowing, internships, or early job placement through the creation of a flexible schedule.

Juniors and seniors may request an AM or PM flexible schedule. An AM flexible schedule will allow for a delayed starting time. A PM flexible schedule will allow for an early release time. With this flexible schedule option, the district is not responsible for transportation outside regular scheduled routes. All flexible schedule requests are contingent upon the master schedule and course requirements for graduation.

The following contract (located on the student registration sheet) will need to be signed by the student and parent in order for a flexible schedule to be enacted.

1. I understand that the student is responsible for meeting all Sylvania course requirements for graduation as well as Ohio State Graduation Pathways requirements. A flexible schedule may be cancelled in order to meet these requirements.
2. I understand that the student is responsible for knowing changes to the time schedule and attending all scheduled classes when in session (e.g. assembly or two-hour delay).
3. If the student participates in extra-curricular activities, he or she must maintain athletic eligibility. All athletes must pass a minimum of five full credit courses per quarter according to OHSAA Bylaws. Students who plan to participate in collegiate-level athletics must also follow NCAA Clearinghouse regulations.
4. Students with a flexible schedule must enter or leave the building at the designated time period. Students are not permitted to remain at school at unauthorized times.
5. The student and/or parent are responsible for the transportation to and/or from school at times other than the regularly scheduled bus routes.
6. Sylvania Schools is not responsible for students scheduled out of the building during the flexible scheduling time.
7. The Sylvania administration reserves the right to revoke a student's privilege for early release or late arrival for violations of the code of conduct, attendance issues, or academic concerns.

RECOMMENDATIONS

Teacher recommendations are made early in the school year, yet teachers have the opportunity to re-evaluate/change their decision as the year progresses. If the student's grade drops or a change in student performance occurs, the teacher can opt to change the recommendation. If that occurs, the student and parent will be notified by the child's counselor. If a parent/student disputes the change, he or she must contact the counselor to resolve the conflict.

If a parent wishes to override the recommendation of a teacher, they must sign a Recommendation Override Authorization, available from the school counselor. In addition, if an override is enacted, a subsequent class change must still follow the Schedule Changes policy in the student handbook.

SCHEDULE CHANGES

Planning a schedule for the next school year is a difficult task, and situations may occur requiring a change in that schedule. Changes have a serious effect on class size, teacher assignments, and the overall master schedule. **Thus, students and parents are urged NOT to plan a program with the idea that it can be changed**. If a parent-approved schedule change is to be considered, you should see your counselor prior to the closing of the school year. **No personal preference changes will be made after the start of school.** Space availability will be a major factor in honoring your request. A student/parent may not request a specific teacher.

Only the following reasons will constitute a need for a change:

1. A technical error was made in the process of scheduling the student's requests.
2. The student has been academically misplaced.
3. There is a scheduling conflict.
4. There is a scheduling overload.

Schedule changes are official when the following conditions are met:

1. All schedule changes must go through the assigned counselor.
2. Schedules will not be changed without appropriate signatures on the change form.
3. The schedule change has been entered into the computer.
4. The student has been given a new, updated copy of the schedule.

ADDING A CLASS AFTER SCHOOL BEGINS: Course additions must occur no later than five (5) school days after the beginning of a course. A course may be scheduled in place of a study hall or commons. The student's schedule will not be rearranged to accommodate an additional course.

COURSE WITHDRAWAL AFTER SCHOOL BEGINS: Students may drop a course without penalty until the end of the tenth (10th) school day of a semester or year-long course with the teacher and parent permission. The course will be replaced with a study hall. Freshmen and sophomores will not be permitted to drop the course if their course load would drop below the seven (7) recommended course load each semester. Juniors and seniors are required to maintain course loads to meet scheduled graduation requirements.

Students dropping a course after ten school days will receive an "F" for the semester unless it is dropped with written teacher recommendation. Teacher recommendation will be based on the following criteria:

1. The student has sought assistance from the teacher.
2. The student has taken advantage of any available tutorial services.
3. The student's work does not indicate the ability to meet minimum course requirements with conscientious effort.

Students will be assigned to a study hall (not commons) for the remainder of the semester if the course is dropped. Students are expected to complete all year-long classes; however, a semester's credit will be given to a student who has successfully passed one semester of a year-long course if the student was enrolled in the course for the entire year or special circumstances exist to warrant a drop at the end of the first semester.

FRESHMAN: Course Offerings

It is strongly recommended that students review the **Career Pathways** schedules and Pathway Electives online before beginning the scheduling process. Refer to the following course descriptions to finalize course selections.

A freshman schedule should include the required courses listed below plus a minimum of one elective.
Required Courses: ***English 9, Math, Physical Science, World Studies, Health, Physical Education***

The following course descriptions are designed to assist in scheduling the freshman year. Southview has a nine-period day. It is recommended that freshman take seven courses with a lunch and study hall each semester. Open periods will be filled with an additional study hall.

Note: The school reserves the right to limit or cancel course offerings.

ENGLISH CURRICULUM

3100 ENGLISH 9

Year Credit 1 Grade 9 Est. Fee $35

Curriculum in English 9 combines the study of literature, composition, research skills and vocabulary. Composition focuses on a variety of different kinds of writing that require a multi-paragraph development. Grammar, spelling, mechanics, and usage are taught in the context of written and oral communication. Vocabulary is approached through the study of words having common Greek and Latin prefixes, roots and suffixes. English 9 students must complete summer reading. Please check the school website for details.

3101 HONORS ENGLISH 9

Year Credit 1 Grade 9 Est. Fee $35

This course of intensified study in literature, composition, grammar, and vocabulary expands the English 9 curriculum. Students read and analyze a minimum of three novels in addition to the English 9 core curriculum. Grammar, spelling, mechanics, and usage are taught in the context of written and oral communication. A minimum of one major paper per quarter, in addition to other selected writings, is required. Honors English 9 students must complete summer reading. Please check the school website for details.

MATH CURRICULUM

****See Math Course Flow Chart pg 74**

3306 ALGEBRA I

Year Credit 1 Grades 9-12

Algebra I generalizes the concepts of arithmetic through the use of symbols. The student will begin to develop the ability to reason abstractly. The course addresses five critical areas of focus: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. Application of these concepts will be emphasized throughout the course. Algebra I is a prerequisite for such high school courses as modern geometry, chemistry and physics. Summer work is required for this course. A scientific calculator is required. Alternately a TI-83+ or TI-84+ graphing calculator may be used but graphing concepts will be taught using Chromebooks.

33064 HONORS ALGEBRA I

Year Credit 1 Grades 9-12

This course is for selected students who want a more rigorous study of the algebraic concepts taught in Algebra 1. The students need to have the ability to reason abstractly, a mastery of all basic math skills, and successful completion of the advanced 8th grade course prior to enrollment in this class. The current 8th grade math teacher's recommendation is required. The course addresses five critical areas of focus: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. The application of these concepts will be emphasized throughout the course. Summer work is required for this course. A scientific calculator is required (TI-30XIIS). Alternately a TI-83+ or TI-84+ graphing calculator may be used but graphing concepts will be taught using Desmos on the Chromebooks.

3308 GEOMETRY

Year Credit 1 Grades 9-12

Prerequisite: Algebra I (2B) or Algebra I

In Geometry, students will study examples of geometry in the physical world and how to use geometric concepts to solve problems. Critical areas of focus include: congruence, proof, and construction; similarity, proof, and trigonometry; connecting algebra and geometry through coordinates; circles with and without coordinates; extending to three dimensions; and applications of probability. Developing proof writing and reading skills are a significant part of the course. Summer work is required for this course. A scientific calculator is required. Alternately a TI-83+ or TI-84+ graphing calculator may be used but graphing concepts will be taught using Chromebooks."

3309 HONORS GEOMETRY

Year Credit 1 Grades 9-10

Prerequisite: Algebra I

This course is for selected students who want a more rigorous study of geometrical concepts and algebraic applications. This course places greater emphasis on formal proofs. Students will discover geometry concepts in the math lab with the use of Geometer's Sketchpad to enhance the learning of postulates and theorems. It is strongly recommended a student have a TI-83, TI-83 Plus, or TI-84 calculator. Please see website for summer work assignments.

SCIENCE CURRICULUM

A full year of physical science, a full year of biological science and a full year of elective science are required for graduation.

3401 PHYSICAL SCIENCE

Year Credit 1 Grade 9 Est. Fee: $7

Students must have a non-programmable scientific calculator. Fee includes cost of goggles.

Physical Science offers an overview of the fields of chemistry and physics. Through collaborative group work, discussion, and lab activities, students are introduced to the physical science standards that include concepts of matter and its properties, atoms and elements, molecules and compounds, chemical reactions, force, motion, energy and waves. In addition to the subject matter, students are further trained in the techniques of the scientific method through assembling lab equipment, conducting investigations, collecting and analyzing data and writing lab reports. This course is aligned with the Ohio Content Standards.

3402 HONORS PHYSICAL SCIENCE

Year Credit 1 Grade 9 Est. Fee: $7

Prerequisite: Algebra I (or pass math test)

Corequisite: Geometry

Student must have a non-programmable scientific calculator. Fee includes cost of goggles.

Physical Science Honors is designed to introduce academically achieving freshmen to chemistry and physics. The course covers the same topics as Physical Science but at an accelerated rate and in more depth. Concepts are learned through lectures and analysis of laboratory experiments. It is assumed that most Honors Physical Science students will continue their secondary science education and this course is designed as an introduction to upper-level science courses. Course work requires ability to manipulate algebraic equations.

SOCIAL STUDIES CURRICULUM

3200 WORLD STUDIES

Year Credit 1 Grade 9

This course completes a chronological study of world history from 1750 to the present. This study includes not only history, but integrates each of the other six social studies standards. As students study each historical event, they consider the geographic setting, the cultural perspectives, the economic implications and the role of the governments. They develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

3201 HONORS WORLD STUDIES

Year Credit 1 Grade 9

The Honors course covers the World Studies content in greater depth. Students are required to complete a considerable amount of reading and extended writing assignments. Students will be expected to express themselves well both orally and in writing. A recommendation from 8th grade Social Studies and English teachers is required as well as an A or B in both Social Studies and English

32191 AP EUROPEAN HISTORY

Year Credit 1 Grade 9 Est. Fee: $2

The AP European History course focuses on developing students' understanding of European history from approximately 1450 to the present. Students will investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides six themes (interaction of Europe and the world, poverty and prosperity, objective knowledge and subjective visions, states and other institutions of power, national and European identity, and individual and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

HEALTH / PHYSICAL ED. CURRICULUM

3502 HEALTH

Semester Credit 1/2 Grade 9-10

Health is a required course that presents the subject of health in relation to the needs of adolescents. The course approaches the subject from a position which realizes that the student can begin to assume responsibility for his or her own health and safety, and is designed with a positive approach to healthful living. The course meets five times each week for one semester.

3500 PHYSICAL EDUCATION

Semester Credit 1/4 Grades 9-10 2 Semesters

Southview High School requires physical education for all students. See Graduation Requirements. The units in Physical Education have been divided between the two semesters.

Boys and girls are required to wear gym shorts, a top for girls and T-shirts for boys. Gym shoes are also required. No denim jeans will be permitted. Warm-ups, sweat suits and jackets will be needed for outdoor activities. Students may be exempted from participation only with a physicians note. If 25% of the days in a semester are missed for any reason, the semester will have to be repeated.

Our objectives are to promote fitness with aerobic activities and training, influence proficiency traits and abilities not dealt with in classrooms, improve posture, develop desirable character traits and establish an interest in sports for future life patterns.

FRESHMAN: Electives

ARTS & COMMUNICATION

37401 Art Foundations: *Year, 1 credit*
3739 Art Appreciation, *Semester, .5 credit*
3740 Crafts in Art, *Semester, .5 credit*
3742 AP Art History, *Year, 1 credit*
8446 Computer Graphic Design I, *Semester, .5 credit*
8448 Computer Graphic Design II, *Semester, .5 credit*
8598 Intro to Visual Technology, *.5 credit*
8599 Careers in Visual Technology, *.5 credit*
86061 3D Game Design, *Year, 1 credit*
8597 3D Animation, *Semester, .5 credit*
3103 Oral Communications: *Semester, .5 credit*
3104 Honors Oral Communications: *Semester, .5 credit*
3105 Oral Communications II *Semester, .5 credit*
3171 Debate, *Semester, .5 credit*
3113 Drama I: *Semester, .5 credit*
3132 Honors Drama: *Semester, .5 credit*
3114 Theatre Workshop: *Semester, .5 credit*
8211 Dance Foundations, *Semester, .5 credit*
3120 Journalism Writing and Design: *Semester, .5 credit*

Music

3750 Band Auxiliary: *9 Weeks, .25 credit*
3756 Concert Band: *Year, 1 credit*
3758 Symphonic Band: *Year, 1 credit*
3752 Wind Ensemble Band: *Year, 1 credit*
3751 Orchestra/Honors: *Year, 1 credit*
3762 Chamber Orchestra: *Year, 1 credit*
3759 Symphonic Choir: *Year, 1 credit*
3763 Jazz Band: *Year, .25 credit*
3764 A Cappella/Honors: (NV) *Year, 1 credit*
3768 Popular Music: *Semester, .5 credit*

BUSINESS & MANAGEMENT

8410 Business Foundations: *Semester, .5 credit*
8313 Intro to Marketing: *Semester, .5 credit*
8311 Software Applications: (NV), *Semester, .5 credit*

ENGINEERING & INDUSTRIAL

8394 Engineering Applications: *Semester, .5 credit*
8392 Engineering Design: *Semester, .5 credit*
8396 Introduction to Alternative Energy: *Semester, .5 credit*
8398 Computer Aided Design: *Semester, .5 credit*
8391 Robotics Technology, *Year, 1 credit*
84991 Woods & Metals Technology, *Year, 1 credit*

ENVIRONMENTAL & AGRICULTURE

8441 Horticulture Leadership and Management *Year, 1 credit*
8442 Plant and Horticulture: *Year, 1 credit*

HEALTH, EDUCATION & HUMAN SERVICES

8376 Personal Wellness and Development, *Semester, .5 credit*
8380 Principles of Food: *Semester, .5 credit*
8460 Introduction to Education: *Semester, .5 credit*
8430 Health Careers Foundations: *Semester, .5 credit*
8351 Cosmetology Foundations: *Semester, .5 credit*

INFORMATION TECHNOLOGIES

8309 Today's Technology: *Semester, .5 credit*
8415 Intro to Programming, *Semester, .5 credit*
8545 2D Game Design, *Semester, .5 credit*
85433 AP Computer Science Principles: *Year, 1 credit*

WORLD LANGUAGES

3700 French I: *Year, 1 credit*
3701 French II: *Year, 1 credit*
3720 German I: *Year, 1 credit*
3721 German II: *Year, 1 credit*
3730 Spanish I: *Year, 1 credit*
3731 Spanish II: *Year, 1 credit*

SOPHOMORE: Course Offerings

It is strongly recommended that students review the **Career Pathways** schedules and Pathway Electives online before beginning the scheduling process. Refer to the following course descriptions to finalize course selections.

A sophomore schedule should include the required courses listed below plus a minimum of 1.5 electives.
Required Courses: ***English 10, Math, Biology, American History, Physical Education***

The following course descriptions are designed to assist in scheduling the sophomore year. Southview has a nine-period day. It is recommended that sophomores take seven courses with a lunch and study hall each semester. Open periods will be filled with an additional study hall.

Note: The school reserves the right to limit or cancel course offerings.

ENGLISH CURRICULUM

3110 ENGLISH 10

Year Credit 1 Grade 10 Est. Fee $35

Prerequisite: English 9

The English 10 curriculum encompasses literature, grammar, composition, and vocabulary. The literature emphasizes universal themes from a variety of cultural and historical contexts. Grammar and composition focuses on the development of a clear and effective expository style, especially through the development of logically-developed expository essays. Vocabulary emphasizes the continuity among words due to their use of Greek and Latin roots, prefixes, and suffixes. Students in English 10 must complete summer reading. Please check the school website for details.

3112 HONORS ENGLISH 10

Year Credit 1 Grade 10 Est. Fee $35

Prerequisite: English 9

Honors English 10 addresses all aspects of the English 10 core curriculum. In addition, students learn advanced skills of literary analysis through a study of classical Greek and Shakespearean texts. Writing focuses on literary analysis and logically-developed expository essays. Students in Honors English 10 must complete summer reading. Please check the school website for details.

MATH CURRICULUM

**See Math Course Flow Chart pg 73

3306 ALGEBRA I

Year Credit 1 Grades 9-12

Algebra I generalizes the concepts of arithmetic through the use of symbols. The student will begin to develop the ability to reason abstractly. The course addresses five critical areas of focus: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. Application of these concepts will be emphasized throughout the course. Algebra I is a prerequisite for such high school courses as modern geometry, chemistry and physics Summer work is required for this course. A scientific calculator is required. Alternately a TI-83+ or TI-84+ graphing calculator may be used but graphing concepts will be taught using Chromebooks.

33064 HONORS ALGEBRA I

Year Credit 1 Grades 9-12

This course is for selected students who want a more rigorous study of the algebraic concepts taught in Algebra 1. The students need to have the ability to reason abstractly, a mastery of all basic math skills, and successful completion of the advanced 8th grade course prior to enrollment in this class. The current 8th grade math teacher's recommendation is required. The course addresses five critical areas of focus: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. The application of these concepts will be emphasized throughout the course. Summer work is required for this course. A scientific calculator is required (TI-30XIIS). Alternately a TI-83+ or TI-84+ graphing calculator may be used but graphing concepts will be taught using Desmos on the Chromebooks.

3308 GEOMETRY

Year Credit 1 Grades 9-12

Prerequisite: Algebra I (2B) or Algebra I

In Geometry, students will study examples of geometry in the physical world and how to use geometric concepts to solve problems. Critical areas of focus include: congruence, proof, and construction; similarity, proof, and trigonometry; connecting algebra and geometry through coordinates; circles with and without coordinates; extending to three dimensions; and applications of probability. Developing proof writing and reading skills are a significant part of the course. Summer work is required for this course. A scientific calculator is required. Alternately a TI-83+ or TI-84+ graphing calculator may be used but graphing concepts will be taught using Chromebooks."

3309 HONORS GOMETRY

Year Credit 1 Grades 9-10

Prerequisite: Algebra I

This course is for selected students who want a more rigorous study of geometrical concepts and algebraic applications. This course places greater emphasis on formal proofs. Students will discover geometry concepts in the math lab with the use of Geometer's Sketchpad to enhance the learning of postulates and theorems. It is strongly recommended a student have a TI-83, TI-83 Plus, or TI-84 calculator. Please see website for summer work assignments.

3312 ALGEBRA II

Year Credit 1 Grades 10-12

Prerequisite: Algebra I (2B) or Algebra I and Modern Geometry (Reg., Honors or 2B)

Algebra II studies the problems of Algebra I in greater depth and is a more sophisticated treatment of those problems. In addition, the concept of function is developed through the use of linear, quadratic, exponential, logarithmic, and radical functions. Critical areas of focus include: polynomials, rational, and radical relationships; modeling with functions; trigonometry; inferences and conclusions from data; and trigonometry of general triangles and trigonometric functions. A TI-83 Plus or TI-84 Plus graphing calculator is required. Summer work is required for this course.

3313 HONORS ALGEBRA II

Year Credit 1 Grades 10-12

Prerequisites: Algebra I and Modern Geometry

This course is for selected students who have completed Algebra I and Geometry. The material parallels the regular Algebra II course but develops a more theoretical approach rather than a problem-solving approach. Modern terminology and notations are used extensively. Students are required to purchase a TI-83, TI-83 Plus, or TI-84 graphing calculator for use in and out of class. Please see website for summer work assignments.

SCIENCE CURRICULUM

3413 BIOLOGY

Year Credit 1 Grades 10-12 Est. fee: $10

Prerequisites: Physical Science

Student must have a non-programmable scientific calculator.

This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of cells, heredity, and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

3411 HONORS BIOLOGY

Year Credit 1 Grades 10-12 Est. Fee: $10

Prerequisite: Physical Science and teacher recommendation

Student must have a non-programmable scientific calculator.

The honors biology curriculum investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of cells, heredity, and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them, along with a comparative anatomy unit that includes some dissection. This course will be a faster paced, more expanded curriculum than the biology course. It is a laboratory and activity based course with emphasis on inquiry-based learning. The course will stress the development of critical thinking skills, experimental design, accurate recording, data interpretation and analysis.

SOCIAL STUDIES CURRICULUM

3204 AMERICAN HISTORY

Year Credit 1 Grade 10

This course completes the chronological study of the history of the United States begun in eighth grade. This study includes not only history from 1877 to the present, but integrates each of the other six social studies standards. As students study historic events, they consider the geographic setting the cultural perspectives, the economic implications and the role of the government. They develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

3207 AP UNITED STATES HISTORY

Year Credit 1 Grade 10

This course is a survey study equivalent to the demands of an introductory college course in United States history. The AP test may receive advanced placement and/or waiving of course work by some colleges. From the colonies to the present, course content is given in-depth consideration by means of a chronological and/or topical approach. Students will evaluate historical materials to weigh the evidence and interpretations presented by historical research. Students will be expected to complete a considerable amount of reading of both primary and source materials including texts, paperbacks, maps and charts. Students should be able to express themselves well both orally and in writing. They may write analytical and research papers as well as essay examinations. Admission to the class will be based upon teacher recommendation, meeting the department standards for advanced placement work (including grade average, possible testing and interview by the teacher).

32201 AP ECONOMICS

Year Credit 1 Grades 10-12

Prerequisite: Algebra I

AP Economics is designed to teach students the basics of both Micro and Macroeconomics. The course is offered in one year; however, it is broken up into two separate units that are tested separately. Each test is the equivalent to a college semester course. The course begins with basic economic concepts before moving into more specific information. The course typically begins with Microeconomics and focuses on the personal and business level decisions that all of us must make in our lives. Once students have a proper understanding of economics at the smaller scale, the course moves to Macroeconomics, where the focus is on the large scale aggregate of all the decisions made at the Micro level. Macroeconomics also examines how countries make the economic decisions that they do, and how governmental policies can impact the nation and the entire world.

HEALTH / PHYSICAL ED. CURRICULUM

3500 PHYSICAL EDUCATION

Semester Credit 1/4 Grades 9-10 2 Semesters

Southview High School requires physical education for all students. See Graduation Requirements. The units in Physical Education have been divided between the two semesters.

Boys and girls are required to wear gym shorts, a top for girls and T-shirts for boys. Gym shoes are also required. No denim jeans will be permitted. Warm-ups, sweat suits and jackets will be needed for outdoor activities. Students may be exempted from participation only with a physicians note. If 25% of the days in a semester are missed for any reason, the semester will have to be repeated.

Our objectives are to promote fitness with aerobic activities and training, influence proficiency traits and abilities not dealt with in classrooms, improve posture, develop desirable character traits and establish an interest in sports for future life patterns.

SOPHOMORE: Electives

ARTS & COMMUNICATION

37401 Art Foundations: *Year, 1 credit*
3739 Art Appreciation, *Semester, .5 credit*
37421 AP Art History: *Year, 1 credit*
3740 Crafts in Art (even years only): *Semester, .5 credit*
3742 Digital Photography *Semester, .5 credit*
3743 2D Design—Drawing/Painting: *Year, 1 credit*
4746 3D Design—Ceramics/Sculpture: *Year, 1 credit*
4748 3D Design—Metals: *Year, 1 credit*
8446 Computer Graphic Design I, *Semester, .5 credit*
8448 Computer Graphic Design II, *Semester, .5 credit*
8598 Intro to Visual Technology, *.5 credit*
8599 Careers in Visual Technology, *.5 credit*
86061 3D Game Design, *Year, 1 credit*
8597 3D Animation, *Semester, .5 credit*
3103 Oral Communications: *Semester, .5 credit*
3104 Honors Oral Communications: *Semester, .5 credit*
3105 Oral Communications II *Semester, .5 credit*
3171 Debate, *Semester, .5 credit*
3113 Drama I: *Semester, .5 credit*
3114 Theatre Workshop: *Semester, .5 credit*
8211 Dance Foundations, *Semester, .5 credit*
3120 Journalism Writing and Design: *Semester, .5 credit*

Music

3750 Band Auxiliary: *9 Weeks, .5 credit*
3756 Concert Band: *Year, 1 credit*
3758 Symphonic Band: : *Year, 1 credit*
3752 Wind Ensemble: *Year, 1 credit*
3751 Concert Orchestra/Honors: *Year, 1 credit*
3762 Chamber Orchestra: *Year, 1 credit*
3759 Symphonic Choir: *Year, 1 credit*
3763 Jazz Band: *Year, .25 credit*
3764 A Cappella/Honors: **(NV)** *Year, 1 credit*
3768 Popular Music: *Semester, .5 credit*
3767 AP Music Theory: *Year, 1 credit*

BUSINESS & MANAGEMENT

8410 Business Foundations: *Semester, .5 credit*
8313 Intro to Marketing: *Semester, .5 credit*
8311 Software Applications: (NV), *Semester, .5 credit*

ENGINEERING & INDUSTRIAL

8394 Engineering Applications: *Semester, .5 credit*
8392 Engineering Design: *Semester, .5 credit*
8396 Introduction to Alternative Energy: *Semester, .5 credit*
8398 Computer Aided Design: *Semester, .5 credit*
8499 Environmental Systems Technology: *Year, 1 credit*
8399 Green Systems and Design, *Year, 1 credit*
8391 Robotics Technology, *Year, 1 credit*
84991 Woods & Metals Technology, *Year, 1 credit*

ENVIRONMENTAL & AGRICULTURE

8441 Horticulture Leadership and Management *Year, 1 credit*
8442 Plant and Horticulture: *Year, 1 credit*

HEALTH, EDUCATION & HUMAN SERVICES

8376 Personal Wellness and Development, *Semester, .5 credit*
8377 Principals of Nutrition and Wellness, *Semester, .5 credit*
8380 Principles of Food: *Semester, .5 credit*
8472 Child Development: *Semester, .5 credit*
8460 Introduction to Education: *Semester, .5 credit*
8430 Health Careers Foundations: *Semester, .5 credit*
8351 Cosmetology Foundations: *Semester, .5 credit*

INFORMATION TECHNOLOGIES

8415 Intro to Programming, *Semester, .5 credit*
8309 Today's Technology: *Semester, .5 credit*
8545 2D Game Design, *Semester, .5 credit*
85433 AP Computer Science Principles: *Year, 1 credit*

SCIENCE

3422 Chemistry: *Year, 1 credit*
3431 Honors Chemistry: *Year, 1 credit*
3434 Astronomy: *Year, 1 credit*
3444 AP Seminar: *Year, 1 credit*
3419 Environmental Systems Technology: *Year, 1 credit*
3434 Astronomy: *Year, 1 credit*
3444 AP Seminar: *Year, 1 credit*

SOCIAL STUDIES

3220 AP Economics: *Year, 1 credit*

WORLD LANGUAGES

3700 French I: *Year, 1 credit*
3701 French II: *Year, 1 credit*
3702 Honors French III: *Year, 1 credit*
3720 German I: *Year, 1 credit*
3721 German II: *Year, 1 credit*
3730 Spanish I: *Year, 1 credit*
3731 Spanish II: *Year, 1 credit*
3732 Honors Spanish III: *Year, 1 credit*

JUNIOR: Course Offerings

It is strongly recommended that students review the **Career Pathways** schedules and Pathway Electives online before beginning the scheduling process. Refer to the following course descriptions to finalize course selections.

A junior schedule should include the required courses listed below plus a minimum of 1.5 electives.
Required Courses: *American Literature, Math, Science.*

The following course descriptions are designed to assist in scheduling the junior year. Southview has a nine-period day. It is recommended that juniors take five courses with a lunch and study hall each semester. Open periods will be filled with an additional study hall.

Note: The school reserves the right to limit or cancel course offerings.

ENGLISH CURRICULUM

3124 AMERICAN LITERATURE

Year **Credit 1** **Grade 11** **Est. Fee $35**
Prerequisite: English 9 & 10
This course is a study of well-known American authors with an emphasis on the historical context and American ideals presented in the literature. The program of study includes critical writing skills with an emphasis on organized, complete, analytical compositions, vocabulary development, and five major American novels. Students in American Literature must complete summer reading. Please check the school website for details.

3126 AP ENGLISH LANGUAGE AND COMPOSITION

Year **Credit 1** **Grade 11** **Est. Fee $35**
Prerequisite: English 9 & 10
This course provides a college level study of the American literature primarily through the exploration of a variety of fiction and nonfiction works in the American literary canon. Special emphasis is placed on critical reading and writing about expository, argumentative, and analytical prose in order to prepare students for the English Language and Composition Exam administered in May. AP Language and Composition students must complete summer reading. Please check the school website for details.

MATH CURRICULUM

****See Math Course Flow Chart pg 73**

3308 GEOMETRY

Year **Credit 1** **Grades 9-12**
Prerequisite: Algebra I (2B) or Algebra I
In Geometry, students will study examples of geometry in the physical world and how to use geometric concepts to solve problems. Critical areas of focus include: congruence, proof, and construction; similarity, proof, and trigonometry; connecting algebra and geometry through coordinates; circles with and without coordinates; extending to three dimensions; and applications of probability. Developing proof writing and reading skills are a significant part of the course. Summer work is required for this course. A scientific calculator is required. Alternately a TI-83+ or TI-84+ graphing calculator may be used but graphing concepts will be taught using Chromebooks."

3300 INTERMEDIATE ALGEBRA

Year **Credit 1** **Grades 11-12**
Prerequisite: Geometry or Geometry (2B)
Not an NCAA approved course.
Reviews topics from Algebra I and extends these topics to prepare students for Algebra II. Specifc topics include: Solving linear equations and inequalities; solving quadratic equations using factoring, completing the square, quadratic formula, and graphical techniques; graphing not only linear functions, but quadratic, absolute value, radical, and exponential functions; applications of radical and rational functions; systems of equations and their applications; writing equations of lines based on given information or data collection extensions of simplifying techniques of exponents and polynomials. This course will use technology (computer programs, graphing calculators, and internet research) and more project based learning. Students are required to have a graphing calculator. Please see website for summer work assignments.

3312 ALGEBRA II

Year **Credit 1** **Grades 10-12**
Prerequisite: Algebra I (2B) or Algebra I and Modern Geometry (Reg., Honors or 2B)
Algebra II studies the problems of Algebra I in greater depth and is a more sophisticated treatment of those problems. In addition, the concept of function is developed through the use of linear, quadratic, exponential, logarithmic, and radical functions. Critical areas of focus include: polynomials, rational, and radical relationships; modeling with functions; trigonometry; inferences and conclusions from data; and trigonometry of general triangles and trigonometric functions. A TI-83 Plus or TI-84 Plus graphing calculator is required. Summer work is required for this course.

3313 HONORS ALGEBRA II

Year **Credit 1** **Grades 10-12**
Prerequisites: Algebra I and Modern Geometry
This course is for selected students who have completed Algebra I and Geometry. The material parallels the regular Algebra II course but develops a more theoretical approach rather than a problem-solving approach. Modern terminology and notations are used extensively. Students are required to purchase a TI-83, TI-83 Plus, or TI-84 graphing calculator for use in and out of class. Please see website for summer work assignments.

3315 STATISTICS

Year **Credit 1** **Grade 11-12**
Prerequisite: Algebra II
Statistics is a course that offers a change from a traditional math course. Although proficiency in algebra skills is needed, students will also learn to analyze and represent their answers graphically. Students will use real-world data (collected or given) to explore these specific topics: sampling techniques, probability, measures of central tendency, visual data descriptions using technology, hypothesis testing, and correlation and regression. Students will complete several writing and technology projects to reinforce the analysis of these real-world situations. Statistics may be taken as a student's lone math course or concurrently with any course after Algebra II.

3325 AP STATISTICS

Year **Credit 1** **Grade 11-12**
Prerequisite: Algebra II
This college level course is for the student who desires all the knowledge of statistics above and beyond the general statistics class. The course provides instruction on four broad conceptual themes–Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. Students will draw connections between all aspects of the statistical process, including design, analysis, and conclusions. Students will learn how to communicate methods, results, and interpretations using the vocabulary of statistics and how to use graphing calculators and computers to enhance the development of statistical understanding. AP Statistics is for high achieving math students and may be taken as a student's lone math course or concurrently with any course after Algebra II.

3321 PRE-CALCULUS

Year **Credit 1** **Grades 11-12**
Prerequisites: Modern Geometry and Algebra II
This course introduces the students to the trigonometric functions, polynomial functions, rational functions, logarithmic and exponential functions. The behavior of these functions and their inverses is studied in depth. The course is presented with a graphing point of view using graphing calculators. A TI-83, TI-83 Plus or TI-84 graphing calculator is required.

3320 HONORS PRE-CALCULUS

Year Credit 1 Grades 11-12

Prerequisites: Modern Geometry and Algebra II

This course studies in depth trigonometric, polynomial, rational, logarithmic and exponential functions and the inverses of these functions. This course will include chapter projects where the students will be required to explain solutions thoroughly in the form of essays. A graphing calculator point of view is used to present the concepts. A TI-83, TI-83 Plus or TI-84 graphing calculator is required.

SCIENCE CURRICULUM

3421 AP BIOLOGY

Year Credit 1 Grades 11-12 Est. Fee: $12

7 periods per week

Prerequisites: Physical Science or Physical Science Honors, Biology , Chemistry and teacher recommendation.

Student must have a non-programmable scientific calculator.

This college level course is an in-depth study of molecular, cellular, organismal, and population biology. Selected laboratory activities, some requiring substantial outside research, may involve such topics as macromolecules, enzymes, photosynthesis, respiration, mineral nutrition, plant hormones, genetics, comparative plant and animal anatomy, microbiology and ecology. Topics, labs and tests prepare students for the AP Biology Exam in May.

3435 ENVIRONMENTAL SCIENCE

Year Credit 1 Grade 11-12 Est. Fee: $10

Prerequisite: Physical Science and Biology

Environmental Science is a high school level course, which satisfies the Ohio Core science graduation requirements and engages students in asking valid scientific questions and gathering and analyzing information. It incorporates biology, chemistry, physics and physical geology. It uses real-world scenarios to examine the environmental impact of population growth on natural resources; mineral and resource extraction; water resource use and water pollution; air pollution and climate change; and conventional and sustainable energy supplies. Emphasis is placed on a holistic approach to environmental science using class discussions, laboratory exercises, and environmental surveys to reinforce scientific principles.

3419 AP ENVIRONMENTAL SCIENCE

Year Credit 1 Grade 11-12 Est. Fee $10

Prerequisite: Biology, Chemistry, and Algebra

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. A summer assignment outside of class is required. It is expected that all students will take the AP Exam.

3434 ASTRONOMY

Year Credit 1 Grades 10-12

Prerequisite: Algebra I and Physical Science

Student must have a non-programmable scientific calculator.

Astronomy is a general survey course first introducing the student to the night sky, its many constellations, brighter stars and motions. The historical development of astronomical thought and our place in the Universe is the second major topic of study. The course concludes with a study of the moon, lunar exploration, planets, and other bodies in our solar system. The manned and unmanned exploration of the planets will also be discussed. Field trips to local planetariums and observing session (s) (weather permitting) are planned as parts of the course. Note: Availability of this course depends upon staffing constraints.

3420 BIOCHEMISTRY

Year Credit 1 Grades 11-12 Est. Fee: $10

Student must have a non-programmable scientific calculator.

Prerequisite: Physical Science

Biochemistry is an integrated course combining chemistry and biology with the major emphasis on chemistry. It is designed for the 11th or 12th grade student who does not have the math prerequisite for Chem I. Topics include bio/medical applications, environmental technology, and engineering technology. It is an applications based course.

3415 APPLICATIONS OF BIOLOGY

Year Credit 1 Grades 11-12 Est. Fee: $10

This course will be offered to juniors and seniors that do not intend to pursue a college degree in science. The following topics will be discussed throughout the year: Botany (9 weeks), Zoology (9 weeks), and Human Biology (18 weeks). A significant portion of this class will be held in a laboratory setting. Lab activities will include plant science, animal dissections, and various human biology simulations.

3416 FORENSIC SCIENCE

Year Credit 1 Grade 11-12 Est. Fee: $10

Prerequisite: Physical Science and Biology

Forensics is the rigorous application of science in the processing of physical evidence during criminal investigations. The field of forensic science uses analytical and empirical evidence to help support the legal system in its prosecution of the perpetrators of a crime. You will study the various principles and methods used in the sciences to evaluate evidence at a crime scene, ultimately using the evidence and your deductive reasoning skills to solve the crime. Sciences used in forensics include any discipline that can aid in the collection, preservation and analysis of evidence, such as chemistry, physics, or biology.

34163 HONORS FORENSIC SCIENCE

Year Credit 1 Grades 11-12 Est. Fee: $10

Prerequisite: Physical Science and Biology. Teacher recommendation required.

Honors Forensic Science covers the same general topics as Forensic Science but at an accelerated pace and greater depth. Students in Honors Forensic Science must complete a summer packet. This is due at the start of the course in the fall. Each student should pick up a welcome letter from the instructor detailing the work required.

3422 CHEMISTRY

Year Credit 1 Grades 10-12 Est. Fee: $10

Student must have a non-programmable scientific calculator.

Prerequisite: Physical Science, Algebra I

Chemistry is a lab-lecture course. It includes topics such as atomic theory, bonding, periodic law, stoichiometry, kinetic molecular theory, gas laws, energy of reactions, solutions, equilibrium, oxidation and reduction, organic chemistry and qualitative analysis. Chemistry is designed for students who are (a) interested in a more rigorous chemistry course and/or (b) preparing for further study in science or a science-related field. (With permission of instructor, Chemistry may be taken concurrently with Biology as a sophomore.)

3431 HONORS CHEMISTRY

Year Credit 1 Grades 10-12 Est. Fee: $10

Prerequisite: Algebra I, Physical Science, with teacher recommendation required

Corequisite: Algebra II

May be taken concurrently with Biology. (Instructor's approval required) **Student must have a non-programmable scientific calculator.**

Honors Chemistry covers the same general topics as Chemistry but at an accelerated pace and greater depth. Students in Honors Chemistry must complete a summer packet. This is due at the start of the course in the fall. Each student should pick up a welcome letter from the instructor detailing the work required.

3423 AP CHEMISTRY

Year Credit 1 Grades 11-12 Est. Fee: $15

7 periods per week

Student must buy goggles ($3 est.) and combination lock .

Prerequisites: Science 9 (C and P), Chemistry I, Algebra I, Algebra II (can be taken concurrently), teacher recommendation

Advanced Placement Chemistry is a study of the first year of college chemistry. The topics include those on the Advanced Placement Chemistry Test. Topics such as the structure of matter, kinetic-molecular theory of gases, chemical equilibria, chemical kinetics, and basic thermodynamics are presented. This is a rigorous, fast-paced chemistry course. The grades are based primarily on tests in conjunction with homework, quiz and laboratory grades. Students in AP Chemistry must complete a summer packet. This is due at the start of the course in the fall. Each student should pick up a welcome letter from the instructor detailing the work required.

3430 ANATOMY AND PHYSIOLOGY

Year Credit 1 Grade 11-12 Est. Fee: $25

Prerequisite: Physical Science, Biology, Chemistry (can be taken concurrently)

Student must have a non-programmable scientific calculator.

Anatomy and Physiology is the study of human structure and function. The course encompasses the structure, biochemical, and biophysical processes of cells, primary tissues, and the eleven body systems with associated organs. Lecture, cat dissection and selected laboratory investigations are the basic activities of the course. (This is a senior course—junior year only as a second science, and the first science must be chemistry or physics.)

3445 HONORS ANATOMY AND PHYSIOLOGY

Year Credit 1 Grade 11-12 Est. Fee: $25

Prerequisites: Physical Science, Biology, Chemistry and teacher recommendation

Students must have a non-programmable scientific calculator.

Honors Anatomy and Physiology covers the same general topics as Anatomy and Physiology, but at an accelerated pace and in greater depth. It is the study of human structure and function. The course encompasses the structure, biochemical, and biophysical processes of cells, primary tissues, and the eleven body systems with associated organs. This course requires reading, writing, and oral expression, with an emphasis on higher level critical thinking skills. All students wanting to take CCP Anatomy and Physiology must enroll in this honors section. for grades 11-12

3425 PHYSICS

Year Credit 1 Grades 10-12 Est. Fee: $10

7 periods per week

Prerequisites: Physical Science, Algebra II,

Corequisite: Precalculus or College Prep Math

Student must have a non-programmable scientific calculator.

This first year course in Physics covers topics in mechanics and waves with additional work in thermodynamics and electricity as time permits. The main focus of the course will be laboratory work, conceptual development and problem solving. This course is designed for college-bound students.

3429 HONORS PHYSICS

Year Credit 1 Grades 11-12 Est. Fee: $10

7 periods per week

Prerequisites: Physical Science, Algebra II, teacher recommendation

Corequisite: Pre-calculus or Calculus

Student must have a non-programmable scientific calculator.

This first year course in Physics is designed for the student who is planning on pursuing a career in a science, engineering or medical related field of study in college. Students who enroll in those programs of study are generally required to take a Physics course. Honors Physics would be the course to take in high school to prepare you for college physics. Coursework in Honors Physics will include the mechanics of motion, waves, sound, optics, and electricity. Extensive lab work, data analysis and problem solving are the main foci of the course.

3426 AP PHYSICS 1

Year Credit 1 Grade 11-12 Est. Fee $10

7 periods a week

Corequisite: Honors Precalculus and a teacher recommendation

AP Physics 1 will cover the same content as described by the College Board to prepare for the AP Physics 1 exam. According to the College Board: AP Physics 1 is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits.

3444 AP SEMINAR

Year Credit 1 Grade 10-11

Prerequisite: Honors Science 9 and Honors English 9 or Teacher Approval

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

3444 AP RESEARCH

Year Credit 1 Grade 11-12

Prerequisites: AP Seminar and teacher recommendation

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

SOCIAL STUDIES CURRICULUM

3209 WORLD WAR II

Semester Credit ½ Grades 11 – 12

Students will investigate the political, social, military, and cultural history of World War II and the Holocaust. Students will explore the origins and course of the war in both the European and Pacific Theater. In addition, students will examine major political figures important to the war; the tactics and technology used during combat; the military history of major battles like Stalingrad and Iwo Jima; and the social impact of the war on civilians both on the home front and those living in conquered regions. Students will also explore the history of the Holocaust through an in-depth look at Auschwitz and through a collection of resources and activities from the United States Holocaust Memorial Museum. The overall theme of understanding genocide to prevent/stop it in today's world is also examined.

3210 PSYCHOLOGY

Semester Credit ½ Grades 11-12

This is a survey class that offers an overview of major themes in Psychology. Topics include; research methods and history, abnormal behavior, states of consciousness, learning, memory, personality and development. Students explore topics through outside research, reports and class presentations. This course requires both written and oral expression with an emphasis on higher level critical thinking skills.

3212 AP PSYCHOLOGY

Year Credit 1 Grade 11-12

Prerequisites: Overall GPA of 3.5 and/or teacher recommendation.

AP Psychology is designed to prepare students for the AP National Psychology Exam. It is equivalent to an introductory college course in psychology. The course receives honors credit. Students who successfully complete the national exam may receive and advance placement and/or waiving of course work at the university level. All areas of psychology are covered. This includes but is not limited to; history and methodology, biological basis of behavior, states of consciousness, learning and cognition, memory, personality, sensation and perceptions, motivation, social psychology abnormal psychology and child development. Students are expected to complete a considerable amount of reading in the text and supplemental materials. This course requires students to synthesize and evaluate all material presented through both oral and written format. There is a heavy emphasis on study skills and genuine class participation in activities and discussion. Space preference will go to students who have not already taken a regular Psychology course.

3205 SOCIOLOGY

Semester Credit ½ Grades 11-12

This course will study the causes and effects of social problems in society with an emphasis on discussion and research. Students will investigate topics such as social groups; norms of society; poverty; deviant behavior; the family; aging; and crime as those issues have been considered in the past as well as their impact on today's world. Students will have an opportunity to design and conduct sociological research with encouragement to propose solutions to those problems of society they investigate.

3222 GLOBAL STUDIES CAPSTONE

Semester Credit ½ Grades 11-12

Prerequisite: Completion of first 2 Global Studies Diploma badges

The Global Studies Capstone course provides support and guidance to students completing the capstone portion of the Global Studies Diploma program. Students will work with an advisor to apply their accumulated skills and knowledge from participation in the Global Studies Diploma program in a constructive and positive way. Capstone projects will be designed by students based on their interests and will help students complete the "Action" badge of the Global Studies Diploma.

3220 AP ECONOMICS

Year Credit 1.0 Grade(s) 10-12

Prerequisite: Algebra I

AP Economics is designed to teach students the basics of both Micro and Macroeconomics. The course is offered in one year; however, it is broken up into two separate units that are tested separately. Each test is the equivalent to a college semester course. The course begins with basic economic concepts before moving into more specific information. The course typically begins with Microeconomics and focuses on the personal and business level decisions that all of us must make in our lives. Once students have a proper understanding of economics at the smaller scale, the course moves to Macroeconomics, where the focus is on the large scale aggregate of all the decisions made at the Micro level. Macroeconomics also examines how countries make the economic decisions that they do, and how governmental policies can impact the nation and the entire world.

3231 AMERICAN HISTORY THROUGH FILM

Semester Credit 0.5 Grade(s) 11-12

Prerequisite: American History, AP US History, or Equivalent

This one-semester course leads students to critically examine the use of film in telling the history of the United States. In an ever more technology-driven society, many Americans use film dramatizations as their primary source of knowledge about our country's past. Sometimes, these films present a distorted view of the facts. This course will allow students to examine this phenomenon through both a chronological and thematic approach to determine historical accuracy. Each week will begin with activities to introduce the historical era on which the film is based. Two to four days will be spent viewing key scenes of the film. The viewing of each film will be followed with a weekly film analysis assignment. Each quarter will end with an independent research project that will allow students to examine themes from the films previously viewed. The second independent research project will serve as the final exam.

JUNIOR: Electives

ARTS & COMMUNICATION

37401 Art Foundations: *Year, 1 credit*
3739 Art Appreciation, *Semester, .5 credit*
37421 AP Art History, *Year, 1 credit*
3740 Crafts in Art (even years only): *Semester, .5 credit*
3742 Digital Photography *Semester, .5 credit*
3741 2D Design—Drawing/Painting: *Year, 1 credit*
4746 3D Design—Ceramics/Sculpture: *Year, 1 credit*
4748 3D Design—Metals: *Year, 1 credit*
3747 2D-Advanced Studio/Senior Studio: *Year, 1 credit*
3746 3D-Advanced Studio/Senior Studio: *Year, 1 credit*
8446 Computer Graphic Design I, *Semester, .5 credit*
8448 Computer Graphic Design II, *Semester, .5 credit*
8598 Intro to Visual Technology, *.5 credit*
8607 Visual Communications Design I: *Year, 2 credits*
3103 Oral Communications: *Semester, .5 credit*
3104 Honors Oral Communications: *Semester, .5 credit*
3105 Oral Communications II *Semester, .5 credit*
3171 Debate, *Semester, .5 credit*
3113 Drama I: *Semester, .5 credit*
3132 Honors Drama: *Semester, .5 credit*
3114 Theatre Workshop: *Semester, .5 credit*
8213 Theatrical Performing Arts, *Year, 2 credits*
3120 Journalism Writing and Design: *Semester, .5 credit*
3128 Journalism: *Year, 1 credit*
3129 Yearbook: *Year, 1 credit*
3116 Honors Journalism, *Year, 1 credit*
3119 Honors Yearbook, *Year, 1 credit*
3140 Broadcast Journalism

Music

3750 Band Auxiliary: *9 Weeks, .5 credit*
3756 Concert Band: *Year, 1 credit*
3758 Symphonic Band: : *Year, 1 credit*
3752 Wind Ensemble: *Year, 1 credit*
3751 Concert Orchestra/Honors: *Year, 1 credit*
3762 Chamber Orchestra: *Year, 1 credit*
3759 Symphonic Choir: *Year, 1 credit*
3763 Jazz Band: *Year, .25 credit*
3764 A Cappella/Honors: **(NV)** *Year, 1 credit*
3768 Popular Music: *Semester, .5 credit*
3767 AP Music Theory: *Year, 1 credit*

JUNIOR: Electives (continued):

BUSINESS & MANAGEMENT

8311 Software Applications: (NV) *Semester, .5 credit*
8313 Intro to Marketing: *Semester, .5 credit*
8419 Money Management: *Semester, .5 credit*
8314 Business Technology I: *Year, 2 credits*
8610 Financial Management I: *Year, 2 credits*

ENGINEERING & INDUSTRIAL

8394 Engineering Applications: *Semester, .5 credit*
8392 Engineering Design: *Semester, .5 credit*
8396 Introduction to Alternative Energy: *Semester, .5 credit*
8499 Environmental Systems Technology: *Year, 1 credit*
8398 Computer Aided Design *Semester, .5 credit*
8391 Robotics Technology, *Year, 1 credit*
8485 Engineering I: *Year, 2 credits*
8489 Construction I: *Year, 3 credit*

ENVIRONMENTAL & AGRICULTURE

8433 Horticulture I: *Year, 2 credits*

HEALTH, EDUCATION & HUMAN SERVICES

8376 Personal Wellness and Development, *Semester, .5 credit*
8377 Principals of Nutrition and Wellness, *Semester, .5 credit*
8378 Career and College Readiness, *Semester, .5 credit*
8472 Child Development: *Semester, .5 credit*
8379 Culinary Fundamentals, *Year, 1 credit*
8380 Food Science, *Semester, .5 credit*
8364 Education in Training: (NV) Year, *3 credits*
8351 Cosmetology I: (NV) Year, *4 credits*
8331 Medical Technology I: (NV) Year, 2 credits

INFORMATION TECHNOLOGIES

8309 Today's Technology: *Semester, .5 credit*
8545 2D Game Design, *Semester, .5 credit*
85433 AP Computer Science Principles: *Year, 1 credit*
8541 Honors Programming: *Year, 2 credit*
8505 Interactive Media I: (NV) *Year, 2 credit*
8546 Honors Computer Programming I (NV): *Year, 2 Credits*

SCIENCE

3444 AP Research: *Year, 1 credit*
3430 Anatomy & Physiology: *Year, 1 credit*
3445 Honors Anatomy: *Year, 1 credit*
3434 Astronomy: *Year, 1 credit*
3435 Environmental Science: *Year, 1 credit*
3419 AP Environmental Science: *Year, 1 credit*
3416 Forensic Science: *Year, 1 credit*
34163 Honors Forensic Science: *Year, 1 credit*
3426 AP Physics 1, *Year, 1 credit*
3422 Chemistry: *Year, 1 credit*
3431 Honors Chemistry: *Year, 1 credit*
3423 AP Chemistry: *Year, 1 credit*
3421 AP Biology: *Year, 1 credit*
3420 Biochemistry: *Year, 1 credit*
3419 Environmental Systems Technology: *Year, 1 credit*

SOCIAL STUDIES

3221 Psychology: *Semester, .5 credit*
3212 AP Psychology: *Year, 1 credit*
3205 Sociology: *Semester, .5 credit*
3209 World War II: *Semester, .5 credit*
3231 American History Through Film: *Semester, .5 credit*
3222 Global Studies Capstone: *Semester, .5 credit*
3220 AP Economics: *Year, 1 credit*

WORLD LANGUAGES

3700 French I: *Year, 1 credit*
3701 French II: *Year, 1 credit*
3702 Honors French III: *Year, 1 credit*
3705 Honors French IV: *Year, 1 credit*
3720 German I: *Year, 1 credit*
3721 German II: *Year, 1 credit*
3722 Honors German III: *Year, 1 credit*
3730 Spanish I: *Year, 1 credit*
3731 Spanish II: *Year, 1 credit*
3732 Honors Spanish III: *Year, 1 credit*
3735 Honors Spanish IV: *Year, 1 credit*

SENIOR: Course Offerings

It is strongly recommended that students review the **Career Pathways** schedules and Pathway Electives online before beginning the scheduling process. Refer to the course descriptions below to finalize course selections.

A senior schedule should include the required courses listed below plus electives.
Required Courses: ***Full-year courses in English, Math, and Government.***

The following course descriptions are designed to assist in scheduling the senior year. Southview has a nine-period day. It is recommended that Seniors take five courses with a lunch and study hall each semester. Open periods will be filled with an additional study hall.

Note: The school reserves the right to limit or cancel course offerings.

ENGLISH CURRICULUM

31511 SENIOR HUMANITIES

Full year Credit: 1 Grade: 12 Est. fee: $35

Prerequisite: English 9, English 10, American Literature

Senior Humanities is a college prepatory class that explores the connections between literature, philosophy,hiistory visual and musical arts. Critical and analytical skills will be employed to evaluate the effects of Eastern and Western thought, culture and tradition on society and the world. Writing experiences for this course will connect literature to the humanities through exposition, research and persuasive essays. Supplemental texts are required and must be purchased or supplied by the student. A summer reading, located on the Southview website at www.sylvaniasouthview.org is required for this course.

31515 COLLEGE AND CAREER ENGLISH

Full year Credit: 1 Grade: 12 Est. fee: $35

Prerequisite: English 9, English 10, American Literature

This course helps students develop the skills necessary to research, interpret and display information for documents relevant to both college and workplace writing. Students will practice clear and concise communication in a variety of media formats. The course is highly recommended for students with an interest in the following majors and career fields: science and engineering, business systems and finance, law enforcement and public safety and health and human services.

3126 AP ENGLISH LANGUAGE AND COMPOSITION

Year Credit 1 Grade 11-12 Est. Fee $35

Prerequisite: English 9 & 10

This course provides a college level study of the American literature primarily through the exploration of a variety of fiction and nonfiction works in the American literary canon. Special emphasis is placed on critical reading and writing about expository, argumentative, and analytical prose in order to prepare students for the English Language and Composition Exam administered in May. Note that students taking AP English are to complete summer reading. Please check the website for details.

31513 CREATIVE FOCUS

Full year Credit: 1 Grade: 12 Est. fee: $35

Prerequisite: English 9, English 10, American Literature

This course provides students an opportunity to read, research and create literature that interests them. Students will research a genre; read a variety of student-selected texts within the genre; research analyze and argue the subtleties of genre-specific writing styles and then synthesize finding s in a variety of assignments including short story, poetry, personal narrative essays and multimedia presentations. Students will also study the nuances of fiction including sensory language, figurative language, concrete detail, purposeful dialogue, dialogue punctuation, world-building, indirect and direct characterization, specific word choice, theme, mechanics, grammar, usage, vocabulary and style. Analysis, narrative and argument writings will follow MLA format guidelines, while short story and poetry will follow industry formats. The course will culminate with a publishing unit where students research publishing avenues, write query letters and compose a one-page synopsis.

MATH CURRICULUM

****See Math Course Flow Chart pg 73**

3300 INTERMEDIATE ALGEBRA

Year Credit 1 Grades 11-12

Prerequisite: Geometry or Geometry (2B)

Not an NCAA approved course.

Reviews topics from Algebra I and extends these topics to prepare students for Algebra II. Specifc topics include: Solving linear equations and inequalities; solving quadratic equations using factoring, completing the square, quadratic formula, and graphical techniques; graphing not only linear functions, but quadratic, absolute value, radical, and exponential functions; applications of radical and rational functions; systems of equations and their applications; writing equations of lines based on given information or data collection extensions of simplifying techniques of exponents and polynomials. This course will use technology (computer programs, graphing calculators, and internet research) and more project based learning. Students are required to have a graphing calculator. Please see website for summer work assignments.

3312 ALGEBRA II

Year Credit 1 Grades 10-12

Prerequisite: Algebra I (2B) or Algebra I and Modern Geometry (Reg., Honors or 2B)

Algebra II studies the problems of Algebra I in greater depth and is a more sophisticated treatment of those problems. In addition, the concept of function is developed through the use of linear, quadratic, exponential, logarithmic, and radical functions. Critical areas of focus include: polynomials, rational, and radical relationships; modeling with functions; trigonometry; inferences and conclusions from data; and trigonometry of general triangles and trigonometric functions. A TI-83 Plus or TI-84 Plus graphing calculator is required. Summer work is required for this course.

3313 HONORS ALGEBRA II

Year Credit 1 Grades 10-12

Prerequisites: Algebra I and Modern Geometry

This course is for selected students who have completed Algebra I and Geometry. The material parallels the regular Algebra II course but develops a more theoretical approach rather than a problem-solving approach. Modern terminology and notations are used extensively. Students are required to purchase a TI-83, TI-83 Plus, or TI-84 graphing calculator for use in and out of class. Please see website for summer work assignments.

3321 PRE-CALCULUS

Year Credit 1 Grades 11-12

Prerequisites: Modern Geometry and Algebra II

This course introduces the students to the trigonometric functions, polynomial functions, rational functions, logarithmic and exponential functions. The behavior of these functions and their inverses is studied in depth. The course is presented with a graphing point of view using graphing calculators. A TI-83, TI-83 Plus or TI-84 graphing calculator is required.

3320 HONORS PRE-CALCULUS

Year Credit 1 Grades 11-12

Prerequisites: Modern Geometry and Algebra II

This course studies in depth trigonometric, polynomial, rational, logarithmic and exponential functions and the inverses of these functions. This course will include chapter projects where the students will required to explain solutions thoroughly in the form of essays. A graphing calculator point of view is used to present the concepts. A TI-83, TI-83 Plus or TI-84 graphing calculator is required.

3316 HONORS CALCULUS

Year Credit 1 Grade 12

Prerequisite: Pre-Calculus

This course is for the student willing to work hard to gain knowledge of calculus prior to entering college but without the pressure and time constraints placed on the AP course. Topics included limits, functions (special attentiongiven to polynominal, trigonomicmetric and other transcendentals), differentiation, integrationand applications of these concepts. Students should be confident in their knowledge of algebra and trigonometry. A TI-83, TI-83 Plus or TI-84 graphing calculator is required. Please see website for summer work assignments.

3317 AP CALCULUS AB

Year Credit 1 Grade 12

Prerequisite: Pre-Calculus

This college level course is for the student with a solid knowledge of Algebra II and trigonometry. Topics included limits, functions (special attentiongiven to polynominal, trigonomicmetric and other transcendentals), differentiation, integrationand applications of these concepts. Course work is intended to be covered by early April to allow time for review for the AP exam. It is recommended that students have higher than a 3.0 average in all previous math courses. A TI-83, TI-83 Plus or TI-84 graphing calculator is required. Please see website for summer work assignments.

3323 AP CALCULUS BC

Year Credit 1 Grade 12

Prerequisite: Honors Precalculus with teacher recommendation

AP Calculus BC includes the concepts listed for AP Calculus AB, but because students are required to have taken Honors Precalculus (which includes some introductory calculus concepts), BC covers several additional topics that are not part of the AB course. These topics include: differentiation and integration of parametric, polar, and vector functions; simple partial fractions; improper integrals; solving logistic differential equations; polynomial approximations and series; and additional applications of derivatives and integrals. AP Calculus BC is not designed to follow AB as approximately 60% of the BC curriculum is covered in AB. Students must have an AP approved graphing calculator. Summer work is required for this course.

3314 COLLEGE PREP. MATHEMATICS

Year Credit 1 Grade 12

Prerequisite: Algebra II

This course prepares students for a college of business mathematics requirement. It is **not** an alternative for the pre-calculus advanced mathematics courses for math, science, engineering, or computer science majors. The course will include business applications of mathematical models used within other business courses such as marketing, economics and statistics. The mathematics will be rigorous with applications of Algebra I and Algebra II. A TI-83, TI-83 Plus or TI-84 graphing calculator is required.

3315 STATISTICS

Year Credit 1 Grade 11-12

Prerequisite: Algebra II

Statistics is a course that offers a change from a traditional math course. Although proficiency in algebra skills is needed, students will also learn to analyze and represent their answers graphically. Students will use real-world data (collected or given) to explore these specific topics: sampling techniques, probability, measures of central tendency, visual data descriptions using technology, hypothesis testing, and correlation and regression. Students will complete several writing and technology projects to reinforce the analysis of these real-world situations. Statistics may be taken as a student's lone math course or concurrently with any course after Algebra II.

3325 AP STATISTICS

Year Credit 1 Grade 11-12

Prerequisite: Algebra II

This college level course is for the student who desires all the knowledge of statistics above and beyond the general statistics class. The course provides instruction on four broad conceptual themes – Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. Students will draw connections between all aspects of the statistical process, including design, analysis, and conclusions. Students will learn how to communicate methods, results, and interpretations using the vocabulary of statistics and how to use graphing calculators and computers to enhance the development of statistical understanding. AP Statistics is for high achieving math students and may be taken as a student's lone math course or concurrently with any course after Algebra II.

SOCIAL STUDIES CURRICULUM

3215 AMERICAN GOVERNMENT

Year Credit 1 Grade 12

This is a required course for all seniors who are not in the AP course in American Government. This course will examine the three branches of government (executive, legislative and judicial) at the national, state and local levels from a historical as well as contemporary viewpoint. In addition, an in-depth study of voter behavior and political campaigns will be examined in relation to primary and/or general elections being held at the same time.

3216 AP UNITED STATES GOVERNMENT & POLITICS

Year Credit 1 Grade 12

This course is a survey study equivalent to the demands of an introductory college course in American Government. The course receives honors credit, and those students who successfully complete the AP test may receive advanced placement and/or waiving of course work by some colleges. This course is concerned with the nature of the American political system, its development over the past two hundred years and how it works today. Students will examine in some detail the principal processes and institutions through which the political system functions, as well as some of the public policies that these institutions establish and how they are implemented. Students will be expected to complete a considerable amount of reading including texts and paperbacks. Students should be able to express themselves well both orally and in writing. They will complete several researched based papers as well as a multitude of projects. Admission to the class will be based upon teacher recommendation, meeting the department standards for advanced placement work (including grade average, possible testing and interview by the teacher).

3222 GLOBAL STUDIES CAPSTONE

Semester Credit $^1/_2$ Grades 11-12

Prerequisite: Completion of first 2 Global Studies Diploma badges

The Global Studies Capstone course provides support and guidance to students completing the capstone portion of the Global Studies Diploma program. Students will work with an advisor to apply their accumulated skills and knowledge from participation in the Global Studies Diploma program in a constructive and positive way. Capstone projects will be designed by students based on their interests and will help students complete the "Action" badge of the Global Studies Diploma.

3231 AMERICAN HISTORY THROUGH FILM

Semester Credit 0.5 Grade(s) 11-12

Prerequisite: American History, AP US History, or Equivalent

This one-semester course leads students to critically examine the use of film in telling the history of the United States. In an ever more technology-driven society, many Americans use film dramatizations as their primary source of knowledge about our country's past. Sometimes, these films present a distorted view of the facts. This course will allow students to examine this phenomenon through both a chronological and thematic approach to determine historical accuracy. Each week will begin with activities to introduce the historical era on which the film is based. Two to four days will be spent viewing key scenes of the film. The viewing of each film will be followed with a weekly film analysis assignment. Each quarter will end with an independent research project that will allow students to examine themes from the films previously viewed. The second independent research project will serve as the final exam.

3220 AP ECONOMICS

Year **Credit 1.0** **Grade(s) 10-12**

Prerequisite: Algebra I

AP Economics is designed to teach students the basics of both Micro and Macroeconomics. The course is offered in one year; however, it is broken up into two separate units that are tested separately. Each test is the equivalent to a college semester course. The course begins with basic economic concepts before moving into more specific information. The course typically begins with Microeconomics and focuses on the personal and business level decisions that all of us must make in our lives. Once students have a proper understanding of economics at the smaller scale, the course moves to Macroeconomics, where the focus is on the large scale aggregate of all the decisions made at the Micro level. Macroeconomics also examines how countries make the economic decisions that they do, and how governmental policies can impact the nation and the entire world.

SENIOR: Electives:

ARTS & COMMUNICATION

- **3740** Art Foundations: *Year, 1 credit*
- **3739** Art Appreciation, *Semester, .5 credit*
- **37421** AP Art History, *Year, 1 credit*
- **3740** Crafts in Art (even years only): *Semester, .5 credit*
- **3742** Digital Photography *Semester, .5 credit*
- **3743** 2D Design—Drawing/Painting: *Year, 1 credit*
- **4746** 3D Design—Ceramics/Sculpture: *Year, 1 credit*
- **4748** 3D Design—Metals: *Year, 1 credit*
- **3747** 2D-Advanced Studio/Senior Studio: *Year, 1 credit*
- **3746** 3D-Advanced Studio/Senior Studio: *Year, 1 credit*
- **8446** Computer Graphic Design I, *Semester, .5 credit*
- **8448** Computer Graphic Design II, *Semester, .5 credit*
- **8598** Intro to Visual Technology, *.5 credit*
- **8599** Careers in Visual Technology, *.5 credit*
- **8607** Visual Communications Design I: *Year, 2 credits*
- **8608** Visual Communications Design II:*Year, 2 credits*
- **3103** Oral Communications: *Semester, .5 credit*
- **3104** Honors Oral Communications: *Semester, .5 credit*
- **3105** Oral Communications II *Semester, .5 credit*
- **3171** Debate, *Semester, .5 credit*
- **3113** Drama I: *Semester, .5 credit*
- **3132** Honors Drama: *Semester, .5 credit*
- **3114** Theatre Workshop: *Semester, .5 credit*
- **8213** Theatrical Performing Arts, *Year, 2 credits*
- **3128** Journalism: *Year, 1 credit*
- **3129** Yearbook: *Year, 1 credit*
- **3116** Honors Journalism, *Year, 1 credit*
- **3119** Honors Yearbook, *Year, 1 credit*
- **3140** Broadcast Journalism

Music

- **3750** Band Auxiliary: *9 Weeks, .5 credit*
- **3756** Concert Band: *Year, 1 credit*
- **3758** Symphonic Band: : *Year, 1 credit*
- **3752** Wind Ensemble: *Year, 1 credit*
- **3751** Concert Orchestra/Honors: *Year, 1 credit*
- **3762** Chamber Orchestra: *Year, 1 credit*
- **3759** Symphonic Choir: *Year, 1 credit*
- **3763** Jazz Band: *Year, .25 credit*
- **3764** A Cappella/Honors: **(NV)** *Year, 1 credit*
- **3768** Popular Music: *Semester, .5 credit*
- **3767** AP Music Theory: *Year, 1 credit*

BUSINESS & MANAGEMENT

- **8311** Software Applications: (NV) *Semester, .5 credit*
- **8313** Intro to Marketing: *Semester, .5 credit*
- **8419** Money Management: *Semester, .5 credit*
- **8315** Business Technology II: *Year, 2 credits*
- **8611** Financial Management II: *Year, 2 credi*

ENGINEERING & INDUSTRIAL

- **8396** Introduction to Alternative Energy *Semester, .5 credit*
- **8398** Computer Aided Design *Semester, .5 credit*
- **8499** Environmental Systems Technology*: Year, 1 credit*
- **8488** Engineering II: *Year, 2 credits*
- **8490** Construction II: *Year, 3 credits*

ENVIRONMENTAL & AGRICULTURE

- **8434** Horticulture II: Year, 2 credits

HEALTH, EDUCATION & HUMAN SERVICES

- **8376** Personal Wellness and Development, *Semester, .5 credit*
- **8377** Principals of Nutrition and Wellness, *Semester, .5 credit*
- **8472** Child Development: *Semester, .5 credit*
- **8378** Career and College Readiness, *Semester, .5 credit**
- **8379** Culinary Fundamentals , *Year, 1 credit*
- **8380** Food Science, *Semester, .5 credit*
- **8367** Education & Training II: *Year, 3 credits*
- **8355** Cosmetology II: (NV) *Year, 4 credits*
- **8338** Medical Technology II: (NV) *Year, 3 credits*

INFORMATION TECHNOLOGIES

- **8309** Today's Technology: *Semester, .5 credit*
- **8545** 2D Game Design, *Semester, .5 credit*
- **85433** AP Computer Science Principles: *Year, 1 credit*
- **85422** Honors Computer Programming, *Year, 2 credit*
- **8506** Interactive Media II: (NV) *Year, 2 credit*

SENIOR: Electives (continuted):

SCIENCE

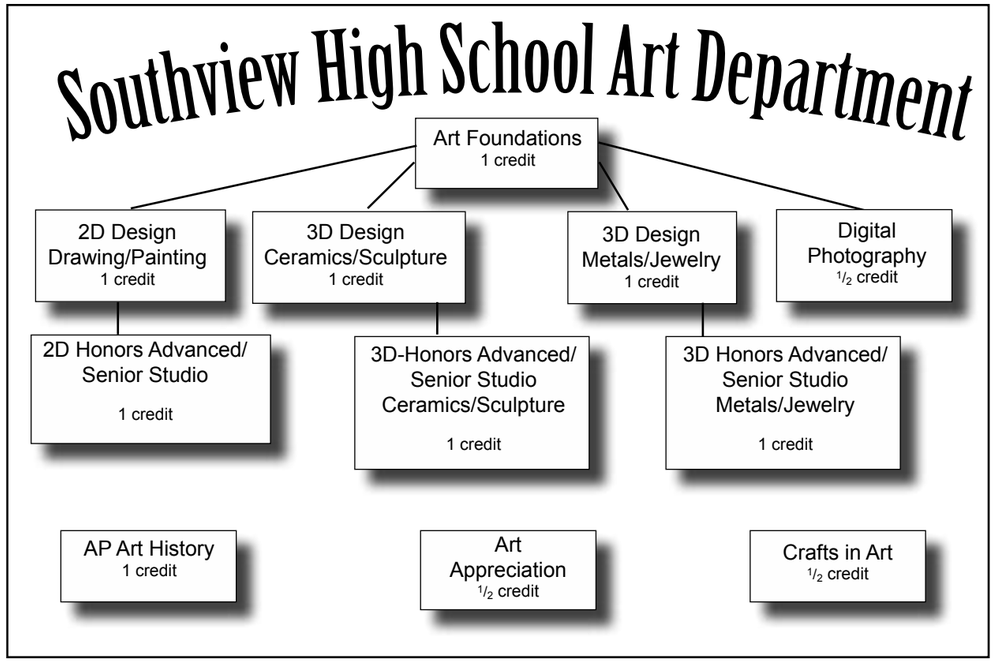
- **3444** AP Seminar: *Year, 1 credit*
- **3444** AP Research: *Year, 1 credit*
- **3430** Anatomy & Physiology: *Year, 1 credit*
- **3445** Honors Anatomy: *Year, 1 credit*
- **3434** Astronomy: *Year, 1 credit*
- **3435** Environmental Science: *Year, 1 credit*
- **3419** AP Environmental Science: *Year, 1 credit*
- **3416** Forensic Science: *Year, 1 credit*
- **34163** Honors Forensic Science: *Year, 1 credit*
- **3426** AP Physics 1, *Year, 1 credit*
- **3422** Chemistry: *Year, 1 credit*
- **3431** Honors Chemistry: *Year, 1 credit*
- **3423** AP Chemistry: *Year, 1 credit*
- **3421** AP Biology: *Year, 1 credit*
- **3420** Biochemistry

SOCIAL STUDIES

- **3221** Psychology: *Semester, .5 credit*
- **3212** AP Psychology: *Year, 1 credit*
- **3205** Sociology: *Semester, .5 credit*
- **3209** World War II: *Semester, .5 credit*
- **3231** American History Through Film: *Semester, .5 credit*
- **3222** Global Studies Capstone: *Semester, .5 credit*
- **3220** AP Economics: *Year, 1 credit*

WORLD LANGUAGES

- **3700** French I: *Year, 1 credit*
- **3701** French II: *Year, 1 credit*
- **3702** Honors French III: *Year, 1 credit*
- **3705** Honors French IV: *Year, 1 credit*
- **3706** AP French V: *Year, 1 credit*
- **3720** German I: *Year, 1 credit*
- **3721** German II: *Year, 1 credit*
- **3722** Honors German III: *Year, 1 credit*
- **3723** Honors German IV: *Year, 1 credit*
- **3730** Spanish I: *Year, 1 credit*
- **3731** Spanish II: *Year, 1 credit*
- **3732** Honors Spanish III: *Year, 1 credit*
- **3735** Honors Spanish IV: *Year, 1 credit*
- **3736** AP Spanish V: *Year, 1 credit*



ART

37401 ART FOUNDATIONS

Year Credit 1 Grades 9-12 Est. Fee $27

This course is an introduction to the various materials and techniques used in art. The elements and principles of art will be introduced; the foundation for all art. Projects will include drawing, painting, clay, sculpture, printmaking, design and many more. This class is a must for most future art classes.

*Return to course offering page: **9, 10, 11, 12***

3741 ART APPRECIATION

Semester Credit: .5 Grades: 9-12 Est Fee $16

Art appreciation is an introduction to contemporary art created for students to explore art for one semester. This class is a combination of art history, theory and criticism for the past century and art making using various styles and techniques of the past century. Students will write and talk about art as well as create art. Using elements and principles of art students will work individually and collaboratively to make interesting and thoughtful artwork. Projects will include (in part) collaboration, digital exploration, sculpture, painting, mixed media, history and theory. This class is open to all students and can be taken as a stepping stone to art foundations or as an extra art class at any time.

*Return to course offering page: **9, 10, 11, 12***

3743 2D DESIGN—DRAWING/PAINTING

Year Credit 1 Grades 10-12 Est. Fee $35

Prerequisite: Art Foundations

The goal of this course is to continue to develop skills for personal expression by exploring a new variety of 2-dimensional media. Students will be challenged to stretch their imagination to create drawings, paintings, and prints that go beyond a literal or realistic representation of the subject matter. One semester will focus on the fundamentals of drawing and the other will focus on painting. Students will experiment with pencil, charcoal, colored pencil, pastels in the first semester. The semester will include the exploration of watercolor, acrylics, and oils.

*Return to course offering page: **10, 11, 12***

4746 3D DESIGN—CERAMICS/SCULPTURE

Year Credit 1 Grades 10-12 Est. Fee $40

Prerequisite: Art Foundations

The focus of this course is to develop skills for personal expression by exploring sculpture, handbuilt and wheel-thrown ceramics. This class will also cover the firing process using the kiln. Students will be challenged to stretch their imagination to create 3-dimensional works that go beyond a literal or realistic representation of subject matter. Problem-solving pertaining to 3-dimensional design issues will be stressed..

*Return to course offering page: **10, 11, 12***

4748 3D DESIGN—METALS

Year Credit 1 Grades 10-12 Est. Fee $40

Prerequisite: Art Foundations

Did you ever want to learn how to make your own jewelry? This class is designed for students who would like to design and create their own metal works and jewelry pieces. In this class we will learn to make various types of adornment such as rings, necklaces, pins, bracelets, etc. using metals such as silver, nu gold, pewter, nickel silver copper and clay. The techniques of fabrication, cutting, piercing, sawing, soldering and enameling will be explored in this class.

*Return to course offering page: **10, 11, 12***

3747 2D—ADVANCED STUDIO / SENIOR STUDIO

Year Credit 1 Grades 11-12 Est. Fee $40
Fee Depends on area of study

Prerequisite: Art Foundations, first year of study in chosen area, & Teacher Recommendation

interest and ability in art and are serious about continuing to improve their art skills to develop a personal style. Students can take this class as an intermediate level of the 2D media such as drawing, painting, and mixed media. More sophisticated techniques in drawing, painting and mixed media will be introduced as well. Seniors who art fourth year art students can take this class as an advanced level of their previously taken art discipline to work on their personal portfolios.

*Return to course offering page: **11, 12***

3746 3D—ADVANCED STUDIO / SENIOR STUDIO

Year Credit 1 Grades 11-12 Est. Fee $40
Fee Depends on area of study

Prerequisite: Art Foundations, first year of study in chosen area, & Teacher Recommendation

This course is designed for students who are serious about continuing to improve their art skills as well as develop a personal style in the media of their choice. Students can take this class as an intermediate level of the 3D media, such as ceramics, sculpture and metals. More sophisticated techniques in sculpture, metals, and ceramics will be introduced. This class also introduces ceramic wheel-throwing. Seniors who are fourth year art students can take this class as an advanced level of their previously taken art discipline to work on their personal portfolios.

*Return to course offering page: **11, 12***

3470 CRAFTS IN ART

Semester .5 Credit Grades 9-12 Est. Fee $20

Do you want to create the handmade items you see on Etsy or Pinterest? This class is for you! We will focus on creating functional art pieces (things you can actually use) and/or using natural materials (metals, clay, glass, fibers and wood) to create fun pieces of art. Possible projects and/or materials to be used include jewelry, weaving, fabric, clay bowls or cups, mosaics, papermaking, and upcycling magazines.

*Return to course offering page: **9, 10, 11, 12***

3472 DIGITAL PHOTOGRAPHY

Semester .5 Credit Grades 9-12 Est. Fee $10

Prerequisite: Art Foundations

They say a picture is worth a thousand words. In this class, you will learn to use your camera to tell amazing stories through the photos you take. We will discuss camera functions, lighting, photo editing software and more in relation to creating a dynamic, eye-catching image. Students should have their own camera (this could be a cell phone, "point and shoot" digital camera, or dSLR).

*Return to course offering page: **9, 10, 11, 12***

37421 AP ART HISTORY

Year Credit 1 Grades 9-12

This course gives students the opportunity to study art history through the ages. Students will use critical thinking to examine and analyze major forms of artistic expression from diverse cultures and understand their contributions to the arts. A variety of art media and styles will be studied as the students look at architecture, manuscripts, painting, drawing, printmaking and sculpture, as a reflection of a given civilization and time period. This course uses a combination of materials such as, selected readings, visual presentations, research papers, educational videos, and museum visits. Students' active participation and discussions related to reading assignments and slide show lectures are required for the class. Students learn to write about art using a specialized vocabulary to describe and critically analyze works of art.

*Return to course offering page: **9, 10, 11, 12***

8446 COMPUTER GRAPHIC DESIGN I

Semester Credit 1/2 Grades 9-12 Est. Fee $20

In CGD you can learn the basic art and design skills it takes to go into the field of Computer Graphics and Visual Communications. In this introductory class, you can create and print images that focus on each of the Elements of Art and Principles of Design, all on a computer running state of the art software. Computer Graphic Design I is a class designed for technically-minded students who wish to develop the art skills needed to be a designer of any kind. Students also study art history and aesthetics to further develop their understanding and appreciation of visual media. Computer experience is recommended but not required.

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8448 COMPUTER GRAPHIC DESIGN II

Semester Credit 1/2 Grades 9-12 Est. Fee $30

Prerequisite: Computer Graphic Design I

In this advanced class, you can continue to explore the field of Computer Art and Illustration on the latest Adobe software. You can work with: Advanced topics in printing and scanning, such as color management and high resolution print media; development of page-layouts that combine text and graphics; further development of digital photography skills; further exploration in computer based commercial art and fine art; and advanced techniques in Illustrator and Photoshop.

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ARTS & COMMUNICATIONS PATHWAY

8598 INTRODUCTION TO VISUAL TECHNOLOGY

Semester Credit 1/2 Grades 9-12 Est. Fee $20

In IVT you can learn the basic art and design skills it takes to go into the field of Computer Graphics and Visual Communications. In this introductory class, you can create and print images that focus on each of the Elements of Art and Principles of Design, all on a computer running state of the art software. Introduction to Visual Technology is a class designed for technically-minded students who wish to develop the skills needed in today's visual driven world. Students also study art history and aesthetics to further develop their understanding and appreciation of visual media.

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8599 CAREERS IN VISUAL TECHNOLOGY

Semester Credit 1/2 Grades 9-12 Est. Fee $30

Prerequisite: Intro to Visual Technology

In this advanced class, you can continue to explore the field of Computer Art and Illustration on the latest Adobe software. You will discover the variety of fields in which visual technology is a vital piece of equation and how the visual medial influences nearly everything in our world. You can work with: Advanced topics in printing and scanning, such as color management and high resolution print media; development of page-layouts that combine text and graphics; further development of digital photography skills; further exploration in computer based commercial art and fine art; and advanced techniques in Illustrator and Photoshop.

*Return to course offering page: **9, 10, 11, 12***

86061 3D GAME DESIGN

Year Credit 1 Grades 9-10

The job market for 3D modeling has exploded into one of the largest growing job markets in the United States and Europe. This course teaches students the basic 3D design and modeling principles. Industry-standard software, including Autodesk Maya, Mudbox, and the Unreal Game Engine, form the tools and curriculum for the course. Students will learn how to create 3D models and characters, as well as import them into the Unreal Game engine, developing basic skills that are foundational to the digital 3D media industry.

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86063 3D GAME DESIGN II

Year Credit: 1 Grades 10

Prerequisite: 3D Game Design

3D Game Design 2 promotes students to more focused game development in the Unreal Engine. Students will also learn advanced game asset modeling and development in Autodesk Maya and Mudbox. 3D Game Design 2 will focus on more detailed use of the Unreal Engine in terms of utilizing custom made assets and scripting in the game environment.

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8597 3D ANIMATION

Semester Credit ½ Grades 9-10

The job market for 3D animation has exploded into one of the largest growing job markets in the United States and Europe. Key competencies that are learned are the basic 3D design principles, and animation principles. The major software packages used in the movie and game industry are used in this course. Autodesk Maya, Mudbox, and the Unreal Game Engine. These software packages are commonly utilized by professionals in the 3D design industry today, including cutting edge games and Hollywood movies. Students will learn how to create 3D model and characters, as well as import them into the Unreal Game engine. Autodesk Maya is currently the staple 3D software in the game and movie industry and will be emphasized.

*Return to course offering page: **9, 10***

VISUAL COMMUNICATION DESIGN I COLLEGE TECH PREP

Year Credit 2 Grade 11 Est. Fee $50

2 periods per day

The job market for Visual Communication Design is one of the largest growing job markets in the United States and Europe. Key competencies that are learned are the basic design principles, type and image as information and communication, visual hierarchy, computer technology and process, presentation skills, and professionalism. Software packages learned include Adobe Photoshop, Illustrator, Premiere, Autodesk Maya and Mudbox. These software packages are commonly utilized by professionals in the 2D and 3D design industry today.

Students will have the opportunity to design a wide variety of 2D projects such as: logos, posters, packaging, magazine layouts, etc., and 3D projects such as: architecture, vehicles, humanoids, landscapes and more. Video creation with Adobe Premiere will constitute the last major project of the course. Career opportunities for Visual Communication Design are wide ranged, including: Graphic Designers, Multimedia Specialists, Game Designers, CGI Artists, 3D Animators and more.

Honors Option:

In addition to completing the course requirements above, honors students will be required to refine all finished course projects until they meet the 2D and 3D design standards of entry-level college portfolios.

8601 VCD I: Digital Print & Design
8604 VCD I: Advertising & Communication

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VISUAL COMMUNICATION DESIGN II COLLEGE TECH PREP

Year Credit 2 Grade 12 Est. Fee $50

Prerequisite: Visual Communication Design I

Students will have the opportunity to design portfolio pieces using industry standard software. The course will also include a variety of print media design for the advanced VCD students in the second year of study. All students will have the opportunity to create their own portfolio for presenting their work for college entrance and post-secondary opportunities.

8605 VCD II: Digital Image Editing
8608 VCD II: Visual Creation

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3113 DRAMA
3132 HONORS DRAMA

Semester Credit ½ Grades 9-12 Est. Fee $10

Drama I focuses on the basic theatrical elements every thespian should know including theater terminology, improvisation, acting, scenic design, movement and dance, vocal dexterity, etc. Students are also exposed to the principles of play evaluation. Students will leave this course with a better understanding of themselves (mind, body, and spirit) and the theatrical world. You do not need to participate in Southview productions to take Drama.

The honors course requires additional work and responsibilities above the basic course.

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3114 THEATRE WORKSHOP

Semester Credit ½ Grades 9-12 Est. Fee: $10

Repeatable (for supplies)

Theater workshop will focus on the production aspects of theater including, but not limited to, set design, stage management, arts administration, publicity, playwriting, costumes, puppets, masks, etc. Students are also exposed to the principles of play evaluation. This class will work on the current student production throughout the semester. This course is aligned with the Ohio Academic Standards.

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8211 DANCE FOUNDATIONS

Semester Credit 0.5 Grade(s) 9-10

This is an introductory dance course designed to expose students to dance as a form of expression as well as a suitable lifetime activity. A variety of dance types will be included: jazz, ballet, ballroom, hip hop, etc. This course is intended for students of all levels of training, ranging from none to advanced.

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3120 JOURNALISM WRITING AND DESIGN

Semester Credit ½ Grades 9-11

This course is designed to prepare students to write and design for the school newspaper or yearbook. This course stresses the role of computers in the design portion of the course. They will be designing news pages as well as yearbook spreads. The writing portion will give students practice in the various types of news writing. They will write a feature, a sports story, a movie review, a hard news story and an editorial. They will be taught basic interviewing skills, copy editing, and news gathering techniques. Sometimes, student work will be featured in the student newspaper for publication.

*Return to course offering page: **9, 10, 11***

THEATRICAL PERFORMING ARTS

Year Credit 2 Grade(s) 11-12 Est. Fee $35

2 periods per day

Prerequisite: Application

This course is part of a two-year program. Students involved in this program will be eligible to earn transcripted college credit. The program provides students with the opportunity to explore the professional dimensions of theatrical performing arts, including the dimensions of history, math and science, business and economics, technology, physical movement, language, literature, and more. Through the study and production of theatre, students communicate visually as well as verbally. To create performances, students must learn to innovate and collaborate. Theatre students develop strong communication skills and the ability to work with a diverse group of people and learn creative problem solving.

The Theatrical Performing Arts program is a two-year program starting for the first time in 2019-2020. In this first year, the program is available for junior and senior enrollment with junior priority. Seniors may apply as well, but will only be enrolled if space allows. The program will complete two double-block courses in 2019-2020: Acting and Dance. Future years will provide other courses as detailed below.

Honors options are available for all program courses.

8217 DANCE

In this course, students develop technical strength, preciseness, musicality, expression, and sequence retention while learning terminology for dance movement and for the industry. Through solo, ensemble, and improvisational movement, they interpret and communicate stories and feelings. Self-discipline, including emotional and nutritional health, are reinforced.

8213 ACTING

This course focuses on maximizing an actor's physical and emotional expression, vocal intonation, memorization, and imagination to convey stories and feelings. Other topics include material selection, developing a score of action for a role, sustaining a character and self and peer criticism. Students will also research major theatre genres and influences, breaking down a script to discover objectives, obstacles, tactics, and character development. Students will create a script with scenes, plot points and characters and will be expected to perform a role from an original or established piece of work as a class at an out of school performance.

8222 STAGECRAFT

Creating the set, balancing the lights, projecting video and engineering the sound all help to accentuate the script and characters in a show. Students learn the skills of stagecraft through research, critique and hands-on experience. They use technology, background design, makeup and costuming to enhance overall production with a focus on the script and director vision.

8219 MUSICAL THEATRE

The troupe member with abilities in music, dance, and acting has "triple threat" value in musical theatre. They analyze historical and current-day exemplary models of musical theatre for storyline, musical arrangement and audience appeal. Students will participate in the development, rehearsal, and presentation of a musical production.

BUSINESS & MANAGEMENT PATHWAY

8410 BUSINESS FOUNDATIONS

Semester Credit ½ Grade 9-10 Est. Fee $10

This class is the introductory course for the Business and Management pathway. Students will have the opportunity to investigate a variety of business fields while developing communication, critical-thinking, problem-solving, and life-long learning skills. Students will actively participate in multimedia instruction while exploring the following areas: introduction to business, marketing, economics and personal finance, business law, accounting, management, international business, and entrepreneurship.

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8313 INTRO TO MARKETING

Semester Credit ½ Grade 9-12 Est. Fee $10

This course introduces students to the specializations offered in marketing. Students will obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising, and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and law, economic principles, and international business. Technology, leadership, and communications will be incorporated in classroom activities.

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8419 MONEY MANAGEMENT

Semester Credit ½ Grade 11-12 Est. Fee $10

Would you like to learn ways to maximize your earnings potential? Do you need to develop strategies for managing your financial resources? Do you want to gain insight into the different ways of investing your money? If so, this class is for you! This course will enable you to make wise decisions that will help in your financial future and make you a more effective consumer. You will study the following areas: buying/selling a car, purchasing insurance, preparing income taxes, comparison shopping, budgeting money, managing credit, using checking and savings accounts and other banking services, and investing in stocks and mutual funds.

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FINANCIAL MANAGEMENT I COLLEGE TECH PREP

Year Credit 2 Grade 11 Est. Fee $65

The Financial Management courses are for the career- or college-bound student who is interested in pursuing a career in business management. Career and academic skills are integrated and will grant you the opportunity to gain practical knowledge associated with real-world business situations. An emphasis is placed on critical thinking skills as they relate to financial management, money, investments, banking and credit, financial planning, professional development and networking. Special activities will introduce you to careers and professionals in the financial management industry. Members of the local business community will be utilized to bring experience and real-life application to the classroom. You will become a member of Business Professionals of America and may compete at regional, state, and national competitions. During second semester of senior year, you will internship at a local business to provide experiences to further prepare you for your business future.

86103 FINANCIAL MANAGEMENT I: Fundamentals of Financial Services

Students will develop knowledge and skills needed in the banking, insurance and investment industries. They will analyze banking products and services, determine ways in which insurance reduces risk, and calculate insurable losses. Students will also learn to sell financial products and build positive relationships with clients and colleagues. They will use financial ratios to evaluate company performance and select profitable investments for clients. Technology, employability skills, leadership and communications will be incorporate in classroom activities.

Honors Option:

Students will be required to interview a local business leader, complete a research report and discuss the local business leader's philosophy in a formal presentation. Additional requirements include 8 hours of community service. This may be accomplished through volunteering in the local community or at the high school (approval required).

86104 FINANCIAL MANAGEMENT I: Financial Accounting

Students will track, record, summarize, and report a business's financial transactions. They will develop financial documents, project future income and expenses, and evaluate the accuracy of a business's financial information. Students will also apply tools, strategies, and systems to evaluate a company's financial performance and monitor the use of financial resources. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

Honors Option:

In addition to completing the requirements above, students will complete additional accounting "Challenge" problems. Also, students will be required to complete a research report and discuss a business leader's philosophy in a formal classroom presentation.

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8611 FINANCIAL MANAGEMENT II
8611 HONORS FINANCIAL MANAGEMENT II
COLLEGE TECH PREP

Year Credit 2 Grade 12 Est. Fee $20

Prerequisite: Financial Risk Management I

This senior level program is for students who wish to continue gaining valuable business management knowledge and skills. You will understand and apply various financial management techniques. During second semester, you will internship at a local business to provide experiences to further prepare you for your business future. You may become a member of Business Professionals of America and compete at regional, state, and national competitions. All Tech Prep students will be required to complete a senior project. Upon successful completion of this two-year program, you can earn transferable college credits.

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86113 FINANCIAL MANAGEMENT II: Corporate Finance

Students will manage policy and strategy for corporate budgeting, investment, and financial planning. They will calculate profitability, predict business success and the likelihood of failure, and compare business performance within and across industries. Students will also develop and track the achievement of financial goals. They will determine how to balance risk with return and select strategies for recovering from risky situations and disasters. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

Honors Option:

Explores the same content covered in Corporate Finance, but with higher level analysis of actual business and operations procedures. Students will research, analyze, and apply financial concepts to various case studies, writing assignments, research papers and professional presentations. Students are expected to pursue leadership roles in the classroom and student organization (BPA).

86114 FINANCIAL MANAGEMENT II:
Management Principles

Students will apply management and motivation theories to plan, organize and direct staff toward goal achievement. They will learn to manage a workforce, lead change, and build relationships with employees and customers. Students will use technology to analyze the internal and external business environment, determine trends impacting business, and examine risks threatening organizational success. Ethical challenges, project management and strategic planning will also be addressed. Students may also earn college credit through "College Credit Plus".

Honors Option:

Students are required to complete a Capstone senior project prior to internship involvement. The project may involve additional research and community activities. Students may also earn college credit through "College Credit Plus".

BUSINESS TECHNOLOGY I (NV)
COLLEGE TECH PREP

Year Credit 2 Grades 11 Est. Fee $30

Prerequisite: Application

It is expected that all Tech Prep students will successfully complete Algebra II before graduating.

This Tech Prep course is for the career- or college-bound student who is interested in pursuing a career in business. Students will be utilizing the popular software program Microsoft Office 2013. Students will develop an understanding of business practices that are needed by everyone to excel in a business field. Areas of emphasis are: accounting, finance, management, marketing, entrepreneurship, business communications, business economics, international business, technology, and career development in business. Business Technology students will acquire critical-thinking, decision-making, and business ethics skills. As members of Business Professionals of America, students will have the chance to participate in regional, state, and national competition. **These courses may be taken for honors credit. See the instructor for additional requirements.**

83143 BUSINESS TECH I:
Strategic Entrepreneurship

Students will use innovation skills to generate ideas for new products and services, evaluate the feasibility of ideas, and develop a strategy for commercialization. They will use technology to select target markets, profile target markets, define the venture's mission, and create business plans. Students will take initial steps to establish a business. Students will calculate and forecast costs, break-even analysis, and sales. Establishing brand, setting prices, promoting products, and managing customer relationships will be emphasized. Students apply classroom learning segments to the successful operation of the school store, as well as various job shadowing experiences. Students are members of the student organization, Business Professionals of America. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements.

83144 BUSINESS TECH I:
Business Administration Marketing

This is the first course in the Marketing career field. It introduces students to the specializations offered in Marketing. Students will obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and law, economic principles and international business. Technology, leadership and communications will be incorporated in classroom activities. Students are members of the student organization, Business Professionals of America. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements.

83146 HONORS BUSINESS TECH I:
Strategic Entrepreneurship &
Business Administration Marketing

Explores the same content covered in Business Tech I, but with higher level analysis of actual business and marketing processes. Students describe, research, synthesize, analyze, and apply entrepreneurial and marketing concepts to various case studies, writing assignments, research papers and professional presentations. Students are expected to pursue leadership roles in school store operations and student organizations. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements.

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BUSINESS TECHNOLOGY II (NV)
COLLEGE TECH PREP

Year Credit 2 Grade 12 Est. Fee $40

Prerequisite: Business Technology I

This senior level program is for students who wish to continue gaining valuable business skills. Instructional emphasis will include professional development and networking, business law, human resource management, general administrative functions, accounting, business communications and technology. During second semester, students will be released during this class to take part in a part-time business internship experience with an area business. Students will become a member of Business Professionals of America and may compete at regional, state, and national competition. All Tech Prep students will be required to complete a senior project. Students may receive college credits through dual enrollment. **These courses may be taken for honors credit. See the instructor for additional requirements.**

83153 BUSINESS TECH II:
Management Principles

Students will apply management and motivation theories to plan, organize and direct staff toward goal achievement. They will learn to manage a workforce, lead change, and build relationships with employees and customers. Students will use technology to analyze the internal and external business environment, determine trends impacting business, and examine risks threatening organizational success. Ethical challenges, project management and strategic planning will also be addressed. Students apply classroom learning segments to the successful completion of a second-semester internship. Students are members of the student organization, Business Professionals of America. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements.

83154 BUSINESS TECH II:
Human Resources Management

Students will develop human resources strategies to prepare job search portfolios as well as the skills necessary to obtain, retain, and effectively use talent throughout the organization. Students will utilize technology to create job applications, job descriptions, and job profiles to support the talent acquisition process. They will learn to recruit applicants, administer employment assessments, conduct background investigations, and make and communicate hiring decisions. Students will also develop employee handbooks and establish performance improvement processes. Rewards and recognition practices, relationship management and compliance will be addressed. Students will also participate in internship opportunities second semester of this course. Students apply classroom learning segments to the successful completion of a capstone job portfolio and second-semester internship experience. Students are members of the student organization, Business Professionals of America. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements.

83155 HONORS BUSINESS TECH II:
Management Principles &
Human Resources Management

Explores the same content covered in Business Tech II, but with higher level analysis of actual management and human resource processes. Students describe, research, synthesize, analyze, and apply entrepreneurial and marketing concepts to various case studies, writing assignments, research papers and professional presentations. Honors students are required to network and engage with the business community through the completion of interviews, case studies, and research papers. Students are expected to pursue leadership roles in student organizations. All honors students are required to complete a Capstone senior project prior to internship involvement. This class qualifies for three college credits with successful enrollment and completion of all College Credit Plus Program requirements.

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COMMUNICATIONS

3103 ORAL COMMUNICATIONS I
3104 HONORS ORAL COMMUNICATIONS

Semester Credit ½ Grades 9-12

Oral Communications is an introduction to ways people communicate both intra- and interpersonally. We will explore various types of communication and make several speeches/presentations over the course of the semester including impromptu, prose/poetry, storytelling, persuasive, informative, etc. Both Oral Communications courses will be offered within the same class period. The honors course requires additional work and responsibilities above the basic course.

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3105 ORAL COMMUNICATIONS II

Semester Credit: ½ Grades: 9-12

Prerequisite: Oral Communications I

This course is a continuation of Oral Communications !. Students will delve deeper into both intra- and interpersonal communication as well as verbal and nonverbal communications. Units include advertising, broadcasting, interviews, declamation, debate and impromptu.

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3171 DEBATE

Semester Credit 0.5 Grade(s) 9-12

This course introduces students to the research, writing, and speaking skills necessary to compete in formal debate. Students will analyze topical issues and resolutions, analyze debate theory and practice, and apply critical listening and speaking skills to their arguments.

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3128 JOURNALISM
3116 HONORS JOURNALISM

Year Credit 1 Grades 11-12

Prerequisite: Journalism Writing and Design or by permission from the advisor and a submitted writing sample.

This class produces the official school newspaper, the Catalyst. Staff members work in specialized assigned areas such as editing, copy, design, photography, art, business and advertising. The work demands some time beyond the regularly assigned publications period. Staff members are also expected to sell a quota of advertising. Staff assignments are made through application and appointment and students must maintain a 3.0 GPA or higher to remain on staff. The honors course requires additional work and responsibilities above the basic course

**A Pay-to-Participate fee is associated with this class*

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3129 YEARBOOK
3119 HONORS YEARBOOK

Year Credit 1 Grades 11-12

Prerequisite: Journalism Writing and Design or by permission from the advisor and a submitted writing sample.

This class produces the official school annual, the Meridian. Staff members work in specialized assigned areas such as editing, copy, design, photography, art, business and advertising. The work demands some time beyond the regularly assigned publications period. Staff members are also expected to sell a quota of advertising. Staff assignments are made through application and appointment and students must maintain a 3.0 GPA or higher to remain on staff.

The honors course requires additional work and responsibilities above the basic course.

**A Pay-to-Participate fee is associated with this class*

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3140 BROADCAST JOURNALISM

1 Year 1 credit, Grade 9-12,
Course can be repeated

This one-year course is designed for the study and practice of the basic elements of broadcast journalism and video production. The course will primarily focus on news writing, interviewing, storytelling, camera and microphone equipment operation, software editing, shot setup, angle work, graphics creation, title work, title sequence creation, and filming on location. Students work in collaborative teams to produce projects using cameras, while learning the basics of studio and field production, lighting and sound. Throughout the year, students will create multiple projects to meet course objectives, including, but not limited to: a commercial, public service announcement, broadcast feature package, and creating a Southview News program to televise news and feature stories on a regular basis to the Northview student body. This entry-level course assumes no previous film or broadcast experience or training.

ENGINEERING & INDUSTRIAL PATHWAY

8394 ENGINEERING APPLICATIONS

Semester Credit ½ Grades 9-12 Est. $10

Engineering Applications is designed for students who are interested in pursuing a career in engineering and/or design. Students involved should have an interest in math and sciences. Students will interact with each other and will be challenged to break through normal thinking skills with project-based learning. Students will also explore the following areas: electrical engineering, mechanical engineering, and structural engineering through design and prototyping of projects completed in class. Students completing two 1/2 credits or 1 full credit in this pathway will serve in place of the Fine Arts requirement for graduation.

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8396 INTRODUCTION TO ALTERNATIVE ENERGY

Semester Credit ½ Grades 9-12 Est. Fee $20

This course is designed for students who are interested in pursuing a career in engineering. One major objective of this course is for students to learn about and explore innovative ways to power our society. As our world changes, the need for individuals who are trained in this growing field are in high demand. "Green" concepts, energy trends, and potential ways to cut energy costs will be discussed. Particular areas of interest will include solar, wind, hydro, and geothermal energy. Basic electrical concepts will be introduced with lab activities. Students will also learn about fossil fuels, nuclear energy, biofuels, fuel cells, and biomassenergy. Students completing two 1/2 credits or 1 full credit in this pathway will serve in place of the Fine Arts requirement for graduation.

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8392 ENGINEERING DESIGN

Semester Credit .5 Grades 9-12
Est. Fee $20

This course is designed to be a prerequisite to Computer Aided Design and an introduction to technical sketching and drawing. Emphasis will be on the fundamentals of mechanical, pictorial, and architectural drawing. Students will be expected to sketch and draw every day. Additional topics include geometric design, multi-views, section views, and auxiliary views. Students will complete a hands-on, problem solving activity by the end of the course. Students completing two 1⁄2 credits or 1 full credit in this pathway will fulfill the Fine Arts requirement for graduation.

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8398 COMPUTER AIDED DESIGN (CAD)

Semester Credit ½ Grades 9-12 Est. $10

This course is an introduction to the field of Computer Aided Design and is recommended as the second course in technical sketching and drawing (see Engineering Design). Students enrolled should have an interest in math and sciences. This course will introduce the first software package from the CAD ACADEMY curriculum as well as a wide variety of technologies relating to engineering, product design, and development. Classroom activities will be focused around geometric design as students learn how to operate basic functions of the software. This course will also require students to complete problem-solving projects relating to course material. Students completing two 1/2 credits or 1 full credit in this pathway will serve in place of the Fine Arts requirement for graduation.

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8499 ENVIRONMENT SYSTEMS TECHNOLOGY

Year Credit 1 Grades 10-12

Learners will examine fundamentals of resource development, agriculture sustainability, energy needs, and pollution control, as well as analyze and interpret biological, chemical and physical properties of soil, water, and air. They will determine the source and type of environmental contamination evaluate pollution control measures and monitor treatment processes for potable water, wastewater, and solid waste. Learners will study relationships between organisms and their environment. They will analyze and interpret data gathered from studies on the ecosystem while applying the principles of biogeochemical cycles, air-water-land relationships, non-point pollution, and wetlands. Throughout this course, learners will develop responses to environmental problems and develop management strategies, environmental plans for implementation using principles for responsible conservation, resource development, and industrial processes.

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8391 ROBOTICS TECHNOLOGY

Year Credit 1 Grades 9-12

This course studies the robot in various configurations through the use of hands on labs, lecture and assessment. Students will construct mid-scale stationary and mobile robots in order to complete assigned tasks.

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84991 WOODS AND METALS TECHNOLOGY

Year Credit 0.5 Grade(s) 9-10 Est. Fee $30 for project materials

This stand-alone course in the Engineering Technology pathway introduces students to all aspects of designing, building, and testing projects using wood and metal. Students will be able to to perform routine calculation, interpret/create basic drawings, perform accurate measurements and perform simple machining processes. Students will demonstrate the fundamental principles and practices of cutting, drilling, and grinding using modern machine tools, hand tools, and precision measuring instruments. Projects will include simple and functional tools and items including, but not limited to tool totes, push sticks, crates, jewelry boxes, and step stools. This course prepares students for more advanced work in engineering, manufacturing, and construction.

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ENGINEERING and FABRICATION TECHNOLOGY I COLLEGE TECH PREP

Year Credit 2 Grade 11 Est. Fee $105
periods per day

Prerequisite: Application

This course is part one of a two-year program. Students involved in this program will be eligible to earn transcript college credit. This is an excellent opportunity for students who are interested in entering the industrial trades, pursuing a college degree in engineering, engineering technology or manufacturing technology. In this course engineering standards will be reinforced along with employability skills. Unique problem solving projects involving mechanical and electrical applications will be used as a tool to enhance classroom activities. Students may also have the opportunity to tour local colleges and companies. Students completing two ½ credits or 1 full credit in this pathway will fulfill the Arts and Humanities requirement for Graduation.

Students will earn, upon successful completion of the school year, NCCER Common Core certification and OSHA 10 certification.

8481 MANUFACTURING OPERATIONS

Students will learn about different processes found on a production line in a manufacturing setting and learn how these technologies overlap to create automated systems to mass produce products found in local manufacturing facilities. Using self-paced hands-on trainers, students will learn about Basic Electrical Concepts, Computer Aided Design, Robotics, Quality Control, Pneumatic Systems, Injection Molding Systems and Mechanical Systems. Students will demonstrate their knowledge through Powerpoint presentations.

WELDING FABRICATION

Students will apply the knowledge and skills necessary to safely fabricate parts by cutting, drilling, bending, shaping, forming, edging and assembling stock to drawing dimensions. Students will identify weld types, fasteners and adhesives to join materials.

ENGINEERING AND FABRICATION TECHNOLOGY II COLLEGE TECH PREP

Year Credit 2 Grade 12 Est. Fee $105

Prerequisite: Engineering and Fabrication Tech II

This course is the second and final part of the Engineering and Fabrication Technology program. It will enable students to fully prepare for entry into an apprenticeship or their first year of an Associate's or Bachelor's degree in Engineering or Engineering Technology. Students will complete application of concept projects throughout the course while also having an opportunity to visit and work beside local tradespersons and/or engineers who will assist students through a Mentorship / Job shadowing experience during the last semester.

Students will earn, upon successful completion of the school year, NCCER Electrical Level 1 certification.

8496 WELDING TECHNOLOGIES

Students will use fundamental welding principles involving shielded metal arc, oxyacetylene, gas tungsten, and gas metal arc welding in the flat, horizontal, and vertical positions. An emphasis is given to electrode selection, equipment setup, operating procedures, welding inspection, and testing. Students will learn joint designs and layout and will be introduced to welding codes and standards. Additional topics include employability skills and an emphasis will be given to personal safety.

INDUSTRIAL MAINTENANCE

Students will apply the knowledge and skills necessary for installing, maintaining and safely troubleshooting mechanical and electrical systems. Students demonstrate knowledge of pneumatic, hydraulic, mechanical and electrical systems. They will demonstrate the ability to solve practical maintenance problems, read and interpret drawings and maintenance manuals and understand manufacturing process quality practices.

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8497 ENGINEERING PRE-APPRENTICESHIP

The pre-apprenticeship program offers a collaborative partnership between Southview and local industry sponsors that provide exposure to the work environment. It allows students to go into the workforce in a paid position and actively participate in the work environment in the career field they have chosen.

84975 ENGINEERING CAPSTONE

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in Engineering program in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

CONSTRUCTION I COLLEGE TECH PREP

Year Credit 3 Grade 11 Est. Fee $155
3 periods per day Tech Prep Program

Prerequisite: Application

Construction Technology is designed to offer students a well-rounded foundation and preparation for entry into the always-expanding construction industry. Students will learn about AC/DC circuits, residential wiring, controls wiring, heating/air conditioning & applied thermal science, rigging systems, and structural design through the use of self-directed modules. The principles learned will be tested through lab and field experiences. The students will learn carpentry skills and use tools that the professionals use. Qualifying students will be placed with a local employer for paid work experience and training during the second semester of senior year. Are you ready to work toward a high paying career in the construction industry?

84893 CONSTRUCTION I: Core & Sustainable Construction

Students will learn principles in basic safety (10-hr OSHA), construction math, hand and power tool are and operation, blueprint reading, material handling, communication and employability skills. An emphasis will be placed on safe and green construction practices.

84895 CONSTRUCTION I: Structural Systems

Students will learn procedures and techniques required for layout and framing of walls and ceilings, including roughing-in door and window openings, constructing corners and partitions; bracing walls and ceilings; and applying sheathing. Students will learn methods of roof, cold formed steel, and wood stair framing. Students will learn site and personal safety, material properties, design procedures, and code requirements for structural systems.

84897 CONSTRUCTION I LAB

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CONSTRUCTION II COLLEGE TECH PREP

Year Credit 3 Grade 12 Est. Fee $70
3 periods per day Tech Prep Program

Prerequisite: Construction Technology I

84903 CONSTRUCTION II: Carpentry & Masonry

This course will introduce to students the materials, methods, and equipment used in carpentry and masonry. Students will organize a project work sequence by interpreting plans and diagrams within a construction drawing set. They will layout and install basic wall, floor and roof applications. Students will perform introductory concrete applications including formwork, reinforcement, mixing, and finishing. Current advancements in technology, safety, applicable code requirements and correct practices are learned.

84905 CONSTRUCTION II: Structural Coverings and Finishes

This course will address applications of interior and exterior finish work. Students will identify material properties and select for appropriate application. Students will install thermal and moisture protection including roofing, siding, fascia and soffits, gutters, and louvers. Students will install drywall; trim-joinery and molding and apply wall, floor and ceiling coverings and finishes. Throughout the course, the safe handling of materials, personal safety, prevention of accidents and the mitigation of hazards are emphasized.

84907 CONSTRUCTION II LAB

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ENVIRONMENTAL & AGRICULTURE PATHWAY

8441 HORTICULTURE LEADERSHIP AND MANAGEMENT

Year Credit 1 Grades 9-10

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

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8442 PLANT & HORTICULTURE SCIENCE

Year Credit 1 Grades 9-10

This first course in the pathway focuses on the knowledge and skills required to research, develop, produce and market agricultural, horticultural, and native plants and plant products. Students will apply principles of plant physiology and anatomy, plant protection and health, reproductive biology in plants, plant nutrition and disorders to the management of soils and plants. Throughout the course, students will learn communication, leadership, and business management skills reflective of the industry.

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HORTICULTURE I COLLEGE TECH PREP

Year Credit 2 Grade 11 Est. Fee $55

The focus of the Horticulture program is to prepare individuals for and to assist them in obtaining a career in the agricultural field in conjunction with a purposeful education. The Horticulture program is designed to give students the opportunity to participate in a multifaceted and cooperative program by providing internships or work experiences in the specific area of the student's interest. The primary emphasis of the program is classroom instruction with hands-on projects.

8433 HORTICULTURE I:
Parks & Recreation

Students will design facilities, develop educational programs and manage resources for use in public recreation. Students will maintain and operate equipment for maintaining wildlife habitat and supporting a variety of public recreational activities and facilities. Throughout the course, students will develop marketing and programming skills for park development, apply management practices to park operations and learn the systems required to maintain public safety. Students will understand different ecosystems and handle animals that are closely lived in our park system.

8434 HORTICULTURE I:
Greenhouse & Nursery Management

Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized

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HORTICULTURE II
COLLEGE TECH PREP

Year Credit 2 Grade 12 Est. Fee $45

8437 HORTICULTURE II:
Landscape Systems Management

Students will learn methods for establishing and managing landscapes to promote growth and balance. The classification and care of woody and herbaceous landscape plants will be learned. Students will learn to optimize growing conditions, balance nutrients, and manage pests and disease. They will apply proper planting, fertilizing, and pruning techniques while safely operating well maintained specialized equipment. Throughout the course, students will assess implications of landscape installation on the environment, and employ communication, business, and management strategies.

8439 HORTICULTURE II:
Business Management

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

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HEALTH, EDUCATION & HUMAN SERVICES PATHWAY

8330 HEALTH CAREERS FOUNDATIONS

Semester Credit 1/2 Grade 9-10

This course is designed to give students with an interest in pursuing a medical or health-related career overview of the numerous health occupations. In addition to providing an introduction to the various health professions, students will learn occupational skills needed for those professions. The students will gather information about selected health care careers through participation in a series of hands-on projects. A broad concept of how health care is organized and delivered will be studied. Students will explore developing their own necessary abilities to assure success in the medical field. Building professional attitudes, ethical behavior, and communication skills are a few of the areas that will be discussed.

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8472 CHILD DEVELOPMENT

Semester Credit 1/2 Grade 10-12

In this course, students will the principles of child growth, development, and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics include childhood diseases, immunizations, theories of development, learning styles, and childcare services evaluation.

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8378 CAREER AND COLLEGE READINESS

Semester Credit 1/2 Grade 11-12

In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship.

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8376 PERSONAL WELLNESS AND DEVELOPMENT

Semester Credit 1/2 Grade 9-12

In this course, students will analyze personal physical, emotional, social and intellectual growth for a healthy lifestyle. An emphasis will be placed on lifespan wellness by managing stress through relaxation, physical activity and sleep. Additional topics will include human growth development, mental health management, personal hygiene and preparing for emergency medical situations. This course may serve as the Health credit.

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8377 PRINCIPLES OF NUTRITION AND WELLNESS

Semester Credit 1/2 Grade 9-12

In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle.

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8379 CULINARY ARTS FUNDAMENTALS

Year Credit: 1 Grades: 11-12 Est. Fee $40

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection, and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions, using proper scaling and measurement techniques. Basic nutrition, food safety and sanitation will be aligned to hospitality standards.

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8380 FOOD SCIENCE

Semester Credit ½ Grades 11-12 Fee: $25

In this course, students will apply basic culinary practices and understand how flavor, texture and appearance are affected during food preparation. Students will evaluate chemical reactions as they occur in cooking methods and assess how to control high-risk food safety situation. Food safety and sanitation techniques will align to industry-recognized certifications.

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8380 PRINCIPLES OF FOOD

Semester Credit ½, Grade 9-10, Est. Fee $10

In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

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8460 INTRODUCTION TO EDUCATION

Semester Credit 1/2 Grades 9-10 Est. Fee $5

Class for students who are considering a career in education. Students will learn about early education, elementary education, special education, and secondary education. Related fields such as school counseling and social work are also introduced. By completing this FOUNDATIONS course students will have a greater understanding of opportunities available to them in the education field. If a student has a continued interest, they may explore other education options during their junior and senior years.

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EDUCATION & TRAINING (NV)
COLLEGE TECH PREP

Do you like working with young children, birth through grade 3? Have you considered a career in teaching, counseling, or support services? Would you like to have fun learning about children and their development? If you answered yes to these questions, Education & Training is the program for you. Education and Training is a commitment of 3 periods during both junior and senior years. In the junior year, students will learn fundamentals as well as participate in real-world field experiences in preschool settings. During the senior year, students will complete internships in the educational setting of their choice.

EDUCATION & TRAINING I (NV)

Year Credit 3 Grade 11 Est. Fee $75

83811 CURRICULUM AND INSTRUCTION

Students will develop age-appropriate learning experiences and curriculum to engage young children. They will determine curricular goals, create lesson plans, and employ observation and assessment strategies to evaluate children's growth and development. Application of foundational principles of reading, writing, speaking, and listening skills to enhance the learner's application of literacy will be emphasized.

83815 OBSERVATION AND ASSESSMENT

Students will formally and informally observe young children to determine learners' growth, personalities and required interventions. They will analyze children's behavior, record and categorize learner progress, and use observation to diagnose problems. The role of assessment data in developing suitable teaching responses and strategies will be examined.

EDUCATION & TRAINING I

Year Credit 3 Grade 12 Est. Fee $80

83821 PRINCIPLES: HISTORY AND PHILOSOPHY

Students will examine the history and philosophy of early childhood education, types of early childhood programs, and the roles, rights and responsibilities of learners and stakeholders in early childhood education. Students will assess developmental appropriate practices; legal, ethical and organizational issues; and the challenge of teaching and caring for young children with diverse needs. Career planning and professionalism will also be emphasized throughout the course.

83825 HEALTH, SAFETY, AND NUTRITION

Students will establish and maintain a physically and emotionally safe and healthful environment for young children. They will learn skills in first aid and CPR, identify signs and symptoms of common health issues and diseases, and develop meal and snack menus appropriate for young children of different ages and stages of development. The effects of nutrients on children's growth and development will also be emphasized.

83835 CAPSTONE

Students apply Education and Training program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.

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8351 COSMETOLOGY FOUNDATIONS

Semester Credit ½ Grade(s) 9-10 Est. Fee: $25 for manicure kits

This course is highly recommended for students who may be interested in pursuing a career in cosmetology. This course is designed to cultivate a proper attitude and behavior patterns needed to become a successful cosmetologist. Content topics explored include: History and Career Opportunities, Life Skills, Communication, Hair Disorders and Diseases, Braiding, Facial Make-up, Nail Disorders and Diseases, Nail Art, and Exploring Industry Professionals.

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COSMETOLOGY I (at NV)
COLLEGE TECH PREP

Year Credit 4 Grade 11 Est. Fee $350

4 periods Cosmetology per day plus 1 additional period of Anatomy.

Cosmetology is a two-year program that studies in depth the beauty industry. Junior students will automatically be scheduled into Anatomy for one period per day and will work in both a lab and classroom setting four periods per day. Cosmetology is a $52 billion a year industry that is growing. It is an industry with zero unemployment. It offers unlimited growth potential for those who set their own goals. Possible career choices for Cosmetology are Hair Stylist, Nail Technician, Make-up Artist, Esthetician, Salon Owner, Salon Manager, and more.

83501 COSMETOLOGY I:
Trichology

Students will learn the anatomy of the head and scalp, structure of the hair and various techniques and procedures for analyzing hair, scalp disorders and diseases. Students will be able to determine hair porosity, elasticity, density, texture and growth patterns as well as conduct chemical tests for treated hair and ability to recommend corrective scalp treatment.

83503 COSMETOLOGY I:
Fundamentals of Hair Cutting & Styling

Students will learn basic shampooing, conditioning and hair-cutting including trimming, wet styling and thermal styling techniques when working with natural and synthetic hair. Students will also learn infection control and safety along with the science of ergonomics. and ability to recommend corrective scalp treatment.

83505 COSMETOLOGY I:
Fundamentals of Chemical Services

Students will apply basic skills, knowledge, and safety practices when giving permanent/chemical waves, curl re-forming, chemical relaxers and hair color techniques to include tinting, highlighting, bleaching and foiling.

83507 COSMETOLOGY I:
Hand & Foot Treatments

Students will learn the knowledge and skills to perform both manicures and pedicures. They will learn how to maintain personal hygiene and infection control. Students will give plain/oil manicures, pedicures, and hand/harm and foot/leg massages. Enhanced hand and foot treatments using specialized products and techniques will be performed.

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8355 COSMETOLOGY II (at NV)

Year Credit 4 Grade 12 Est. Fee $150

Prerequisite: Cosmetology I

This is the second year program for Cosmetology. Senior Cosmetology students can provide services for clientele, intern in an area salon, and practice for the upcoming licensing exam. Upon passing the exam, the student can be licensed by the State of Ohio as a professional Cosmetologist.

83511 COSMETOLOGY II:
Advanced Hair Cutting & Styling

Students will learn advanced cutting and formal styling using specialized equipment and techniques. This course offers enhanced training in current trends and razor techniques.

83513 COSMETOLOGY II:
Advanced Chemical Services

Students will learn advanced chemical services using specialized products and techniques. Students will do advanced coloring, dimensional coloring, corrective techniques, texturizing, and advanced chemical wave wrapping techniques.

83515 COSMETOLOGY II:
Skin Care Fundamentals

Students will apply the principles of anatomy, skin analysis, infection control and safety to safe hair removal, skincare treatments, and facial massage. Students will use electrical and manipulative facial treatments including masks, packs, and make-up techniques. Students will also learn advanced skin care treatments, targeted massage, end enhancement applications using specialized products and techniques.

83517 COSMETOLOGY II:
Salon Operations

Students will learn the fundamentals of managing a cosmetology salon. Students will learn about employment and customer liability, insurance, leases, record keeping, communication and sales.

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MEDICAL TECHNOLOGY I (NV)
COLLEGE TECH PREP

8333 ANATOMY

Year Credit 3 Grades 11 Est. Fee: $175
2 periods per day Med. Tech Est. Anat. Fee $10
1 period per day Anat. College Tech Prep
Prerequisite: Application

83311 MED TECH I:
Medical Terminology

This course explores the root words, suffixes and prefixes of the vocabulary used in medical offices, hospitals and other health settings. Students review the nervous, skeletal, cardiovascular, muscle and other major systems of the human body, and they discuss terms related to physiology, anatomy and pathological conditions. Students learn to spell, define and pronounce common medical terms.
3 College Credits

83351 Med Tech I: Principles of Allied Health

Students will be trained as emergency responders and instructed in basic management of emergency medical/pre-hospital care of the sick and injured. Emergency responders are trained to reach patients, find out what is wrong and provide emergency care. Students will receive the following certificates: American Heart Association Basic Life Support (BLS), CPR/AED and First Aid. Also covered: preventing disease transmission, diseases and disorders, ethics, communications, and vital signs. "Real-world" experience will be acquired through professional guest speakers, health care field trips and victim/patient care skills. All Med Tech students are required to take Anatomy & Physiology which will be automatically scheduled upon enrollment in this program.

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83353 HONORS MEDICAL TECHNOLOGY I

Honors students will have additional assignments related to pathophysiology, infection control, and case studies. Assignments will involve an understanding of both normal and abnormal body processes, critical thinking skills, and application skills. Students will be assigned to research patient case histories, current news reports, and pathology, and they will complete more complex writing assignments and deliver presentations. Students will work in collaboration with the instructor to become a master of specific topics to instruct their peers and individuals in our community. Students must demonstrate leadership inside and outside the classroom through HOSA (Health Occupation Skills of America), the classroom personnel system, and community service projects. Additional assignments, in-class experiences, and out of class experiences will be expected of the students who select honors.

MEDICAL TECHNOLOGY II (NV)
COLLEGE TECH PREP

Year Credit 4 Grade 12 Est. Med. Fee $131
3 periods per day Med Tech Est. Chem. Fee $10
7 periods per week Chemistry College Tech Prep
Prerequisite: Medical Technology I

83383 Med Tech II: Patient Care & Diagnostics

Med Tech II will help shape your future in the dynamic field of health care by exploring various professional health career options. You will gain knowledge in the Career Pathways of Medicine, physical therapy/sports medicine, nursing, pharmacy, laboratory, diagnostic services

83355 MED TECH II: Patient-Centered Care

Students will a learn medical skills in the lab that are required to meet patients' needs such as: safety and infection control, body mechanics, patient mobility, vital signs, phlebotomy, electrocardiography, nutrition, basic lab procedures, wound care and sterile technique. Students meeting all requirements will be eligible to take part in Patient Care Clinical at Toledo Hospital and the State of Ohio Nurse Assisting Testing (STNA). This will prepare you for college and or immediate employment in the health care field.

8340 MED TECH II: PATHOPHYSIOLOGY

In this course, students will identify the causes, processes, and changes in body organs and tissues that occur with human illness. Topics include identification of clinical characteristics and effects of diseases, mechanisms causing alterations in cellular activity, maintenance of cellular tissue oxygenation, fluid and electrolyte balance, neuroendocrine control of the body, and diagnostic methodology. Students will interpret and use clinical data and patient health history to assemble a comprehensive health assessment.

83371 MED TECH II LAB: Capstone

The capstone course provides opportunities for students to apply knowledge, attitudes and skills in a more comprehensive and authentic way. Capstones include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including 50+ hours of shadowing, Health Occupation Students of America (HOSA) professional club membership, The Senior Project, community service projects, HOSA competition and travel.

83385 HONORS MEDICAL TECHNOLOGY II

This course will cover similar material as Medical Technology II, but students will complete additional writings and presentations in anatomy/physiology/pathophysiology, medical mathematics, patient case histories, medical terminology, and health care topics in the news. Students will be expected to take on leadership roles in the classroom personnel system, community service projects (including the blood drive) and the Health Occupations Students of America (HOSA) professional organization.

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INFORMATION TECHNOLOGIES PATHWAY

8309 TODAY'S TECHNOLOGY

Semester Credit ½ Grade 9-12 Est. Fee $5
This course is designed to improve students' proficiency in the use of digital technologies. Using communication and networking tools as well as social networks appropriately to access, manage, integrate, evaluate and create information. Through a hands-on approach this course enables students to actively explore web 2.0 applications. Areas of concentration may include digital citizenship, determining internet and research trustworthiness, presentation and collaboration tools, research, organization, and concept mapping tools, and other widgets in order to better complete academic, professional, and personal endeavors to successfully function in today's technologically driven society.

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8311 SOFTWARE APPLICATIONS (NV)

Semester Credit ½ Grade: 9-12 Est. Fee $15
Prerequisite: Software Applications
The emphasis of this course is to extend your knowledge of Microsoft Office 2007 (Word, Excel, and PowerPoint). You will use the proper procedures and techniques to create more advanced documents, workbooks, databases, and presentations suitable for course work, professional purposes, and personal use. You will also learn how to use Publisher to produce attractive brochures and flyers.

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8415 INTRO TO PROGRAMMING

Semester Credit ½ Grades 9-12
This course will introduce students to skills needed in the field of computer programming. Students will learn the basics of programming while working in multiple languages like HTML and Java. Emphasis will be placed on learning how to logically process a problem and design a solution. Problem solving and critical thinking skills will be developed while fostering creativity and innovation. This course serves as a foundation for students with a desire to make their own programs and mobile apps.

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8545 2D GAME DESIGN

Semester Credit: ½ Grades: 9-12 Est. fee: $10
Prerequisite: none
The 2D Game Design course is designed to be an introduction to the rapidly expanding market of game creation. Students will learn to design and program games using GameSalad Development Environment. They will learn industry standard programming constructs while creating a wide variety of two-dimensional games. Students will learn input method handling, animation, collision detection, game physics and basic artificial intelligence. Creative problem solving will be key as students plan the logic for contests that will challenge audiences of different ages. Graphic design and storyboarding will be used in conjunction with GameSalad to create applications that can be deployed in both the Apple and Android markets while also publishing online using HTML. After successfully completing this course, students will have the knowledge to create custom games from their original idea to final testing.

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85433 AP COMPUTER SCIENCE PRINCIPLES

Year Credit: 1 Grades: 9-12 Est. fee: $15
Prerequisite: successful completion of Algebra I
This course is designed to be an equivalent to a first semester introductory college computing course. In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and raw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems and discussing the importance of these problems and the impacts to their community, society and the world.

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HONORS PROGRAMMING I
COLLEGE TECH PREP

Year Credit 2 Grade 11 Est. Fee $50
Honors Programming I is part of a two-year college tech prep program. The first year of this program includes the courses Honors Object Oriented Programming and Honors Visual Programming. In Honors Programming I students learn and practice key computer science concepts by designing and developing new applications. Students will learn object-oriented principles that will apply to some of the most highly demanded industry languages while concentrating on Java. Honors Programming I focuses on the problem solving side of software development while covering basic programming principles and the effective use of appropriate syntax. Students will learn to create and test their own programs while preparing for a lucrative career in one of the best job markets in the country.
Students completing Honors Programming I will fulfill the Ohio Fine Arts requirement for graduation.

85412 HONORS PROGRAMMING I:
Object Oriented Programming

This course is one part of Honors Programming I and must be taken in conjunction with Honors Visual Programming. Honors Object Oriented Programming presents a conceptual and practical introduction to object oriented programming, exemplified by Java while providing a foundation for the Java programming language. The course will cover basic programming principles in structured and object oriented frameworks. The course should enable students to develop programs that have the capacity to test and observe particular algorithms.

85402 HONORS PROGRAMMING I:
Visual Programming

This course is one part of Honors Programming I and must be taken in conjunction with Honors Object Oriented Programming. Honors Visual Programming provides a foundation for the design and implementation of programs that utilize a visual user-interface. Topics covered will include: designing the interface; the message/event driven programming model; logical structure of programs; control containers such as graphics, dialogs, and forms; and controls, including buttons, sliders, mouse motion, and edit boxes. After this course, students will be able to design and create applications with a working Graphical User Interface.

HONORS PROGRAMMING II
COLLEGE TECH PREP

Year Credit 2 Grade 12 Est. Fee $60
Honors Programming II is part of a two-year college tech prep program. The second year of this program includes the courses AP Computer Science A and Honors Computer and Mobile Applications. In Honors Programming II students learn and practice key computer science concepts by designing and developing new computer and mobile applications. Students will continue to develop object-oriented programs while focusing on mobile apps. Students will design, create, install, test, and modify their own mobile apps on different devices and operating systems. Honors Programming II provides preparation for the AP Computer Science A examination while also providing a solid background for students pursuing a career in the lucrative and rapidly expanding world of computer programming and mobile app development.

85431 HONORS PROGRAMMING II
AP Computer Science A

This course is one part of Honors Programming II and must be taken in conjunction with Honors Computer and Mobile Applications. AP Computer Science A includes items covered in most college entry-level computer science courses. The curriculum follows the outline for AP Computer Science A developed by the College Board. Topics covered include problem solving using logic, programming methodology, procedural abstraction, and the use of algorithms and data structures. Students will gain familiarity with basic syntax, classes, objects, and data types focusing on, but not limited to, the Java programming language.

85421 HONORS PROGRAMMING II
Honors Computer and Mobile Applications

This course is one part of Honors Programming II and must be taken in conjunction with AP Computer Science A. Honors Computer and Mobile Applications provides the training for students to create applications for mobile devices using commercial and open source software. Students will write code for mobile apps that will be compatible with millions of Android and iOS devices. Students will design and create applications, install these apps on mobile devices for testing, modify them, and develop the skills needed to handle user issues. Programming concepts will be taught with product life cycle and sustainability in mind so students learn to create updatable apps that can progress with the needs of clients.

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INTERACTIVE MEDIA I (NV) COLLEGE TECH PREP

Year Credit 2 Grade: 11 Est. Fee $35

This is a four course program. Students take two courses junior year and two courses senior year. Over two years in interactive media students will study design techniques, creating and editing digital images, web design, and video and sound.

Software

Apple computers and the Adobe Master Suite of programs are utilized. Programs include but are not limited to: Photoshop, Illustrator, InDesign, Dreamweaver, Flash, Premiere Pro, and After Effects.

8512 INTERACTIVE MEDIA I: DESIGN TECHNIQUES

Students will learn techniques for transforming photographic images, through use of digital cameras, computers, and mobile devices. To accomplish this, they will learn software photo editing techniques including layering, color correction, masking, and special effects using current commercial and open source programs and applications.

8511 HONORS INTERACTIVE MEDIA I: DESIGN TECHNIQUES

In addition to the requirements for Interactive Media I: Design Techniques, students will demonstrate more complex Photoshop skills, learn professional photo retouching, and complete other higher-level thinking and real-world projects.

8510 INTERACTIVE MEDIA I: WEB DESIGN

Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

8514 HONORS INTERACTIVE MEDIA I: WEB DESIGN

In addition to the requirements for Interactive Media I: Web Design, students will apply their skills to real-world projects, such as re-designing the Northview Website or creating a website for a client.

INTERACTIVE MEDIA II COLLEGE TECH PREP

Year Credit 2 Grade: 12 Est. Fee $35
2 periods per day College Tech Prep

85111 INTERACTIVE MEDIA II: (NV) CREATING AND EDITING DIGITAL IMAGES

Students will learn to design, develop, and produce interactive media projects, web sites, and social media contexts. Students will demonstrate methods of creating professional quality media using commercial and open source software.

85113 HONORS INTERACTIVE MEDIA II: CREATING AND EDITING DIGITAL IMAGES

In addition to the requirements for Interactive Media II: Creating and Editing Digital Images, students will complete additional projects. These projects might include competing in Business Professionals of America contests, creating advanced After Effects work, completing work for local businesses, running the social media for sports and clubs, or completing an internship.

8513 INTERACTIVE MEDIA II: VIDEO AND SOUND

Students will create professional video and audio productions for distribution in traditional and new media channels. Students will plan, produce, edit, and launch media products. Students will develop scripts and storyboards, compose shots and operate cameras, capture sounds using microphone hardware, apply special effect techniques, and edit to achieve the final product. Students will be able to use animation and graphic design for video.

85133 HONORS INTERACTIVE MEDIA II: VIDEO AND SOUND'

In addition to the requirements for Interactive Media II: Video and Sound, students will complete additional projects. These projects might include filming and editing news broadcasts, starting your own video blog, or completing an internship.

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8546 HONORS COMPUTER PROGRAMMING I (NV) College Tech Prep

Year Credit 2 Grade 11 Est. Fee $35

Honors Programming I is part of a two-year college tech prep program. The first year of this program includes two courses focused on teaching basic computer programming principles through problem solving. Specifically, students will learn data base management and other programming applications within the business field. Students will learn to create and test their own programs while preparing for a lucrative career in one of the best job markets in the country. Students completing Honors Computer Programming I will fulfill the Ohio Fine Arts requirement for graduation.

MUSIC

Instrumental Music

3756 CONCERT BAND

Year Credit 1 Grades 9-12 Est. Fee: Uniform Rental $30.00

Concert Band consists of mostly underclassmen players. The curriculum emphasizes basic/intermediate fundamentals of band performance to develop individual musician skills and application of skills to concert literature. Concert band performs music consistent with the experience and skill level of the members, usually equal to the O.M.E.A. classification of "C or D" band literature.

*Return to course offering page: **9, 10, 11, 12***

3758 SYMPHONIC BAND

Year Credit 1 Grades 9-12 Est. Fee: Uniform Rental $30.00

Symphonic Band consists of mostly upperclassmen and experienced players. The curriculum emphasizes developing more advanced techniques of performance and application to concert literature. This ensemble performs music of a more advanced quality and difficulty equal to the O.M.E.A. classification of "A or B" band literature. Private lessons are STRONGLY encouraged for participation.

3752 WIND ENSEMBLE

Year Credit 1 Grades 9-12 Est. Fee: Uniform Rental $30.00

Wind Ensemble consists of our strongest and most independent musicians. The curriculum emphasizes advanced techniques of performance and application to concert literature. This ensemble performs music of the most advanced quality and difficulty equal to the O.M.E.A. classification of "A or AA" band literature. Private lessons are STRONGLY encouraged for participation.

3761 HONORS WIND ENSEMBLE

Year Credit 1 Grades 9-12 Est. Fee: Uniform Rental $30.00

The Wind Ensemble will consist of mostly upperclassmen and the most experienced players. The emphasis will be on the more advanced techniques of performance and the literature covered will be of the highest level. **Attendance is required at all scheduled performances.**

**A Pay to Participate fee is required for this class*

3750 BAND AUXILIARY

First nine weeks Credit 1/2 Grades 9-12

This is the Southview flag corps and majorettes. Tryouts are during the spring of each year. Any current members of the auxiliary corps must get the director's recommendation to be a continuing member of the corps. **Attendance at all Marching Band performances is required.**

**A Pay-to-Participate fee is associated with this class*

*Return to course offering page: **9, 10, 11, 12***

3763 JAZZ BAND

Year Credit 1/4 Grades 9-12

Prerequisite: Enrollment in band or by permission of director

The Jazz Band is a music group organized to study and perform the different styles jazz music, such as big band dance music, pop and rock, ballads and the blues. A basic understanding of improvisational techniques is also provided. There is opportunity for limited performance through the school year. **Attendance at performances is required.**

**A Pay-to-Participate fee is associated with this class*

*Return to course offering page: **9, 10, 11, 12***

3751 ORCHESTRA

Year Credit 1 Grades 9-12

Prerequisite: Eighth grade orchestra and must be able to play 2 octave scales or audition by director

The Southview Orchestra will meet one period per day, 5 days per week. Students playing string instruments will be enrolled. Wind and percussion players will be taken from the Southview band to make a "full" orchestra. Instruction will be directed toward performance. Members will be instructed in techniques and theories designed to make them better able to perform with the orchestra. **Attendance at performances is required.**

**A Pay-to-Participate fee is associated with this class*

*Return to course offering page: **9, 10, 11, 12***

3760 HONORS ORCHESTRA

Year Credit 1 Grades 9-12

The Southview Honor's Orchestra meets 5 days a week and will be for only the highly developed string student in leadership, skills and technique. The honor student is involved in much more performance outside of school. Requirements are: private lessons, perform a class"A" solo at district contest, demonstrate 3 octave scales and do quarterly projects. Attendance at all major concerts including graduation is also required.

**A Pay-to-Participate fee is associated with this class*

*Return to course offering page: **9, 10, 11, 12***

3762 CHAMBER ORCHESTRA

Year Credit 1 Grade 9-12

Prerequisite: A minimum of one year of orchestra experience or permission of the orchestra director

The Chamber Orchestra is Northview's most select orchestra. It is comprised of all seniors, and open to audition for sophomores and juniors. Members of the Chamber Orchestra must demonstrate advanced proficiency on their instrument. The primary goal of the chamber orchestra is to cultivate an enjoyment and higher understanding of orchestral music by studying music of various styles, music theory, and technical drills. Emphasis in this ensemble is on advanced techniques, and the literature covered will be of the highest level. Highlights of the year are the December concert, State Orchestra Adjudicated Event, and the May Pops Concert. There are many opportunities for additional enrichment and service, such as Solo and Ensemble contest and select orchestras at the district, regional, state, and national levels. **Attendance at all scheduled performances is mandatory.**

**A Pay to Participate fee is required for this class.*

Vocal Music

3759 SYMPHONIC CHOIR

Year Credit 1 Grades 9-12

Symphonic Choir is a mixed chorus for grades 9-12. The chorus performs a wide variety of music that is of a lesser difficulty than that of the A Cappella Choir. It is required that participating students be able to carry a simple tune. Membership is by simple audition that requires no preparation during January and February of the previous year. **Attendance at scheduled performances is required. Prerequisite:** Incoming Freshmen must have the recommendation of their Junior High vocal music instructor. It is recommended that a student wishing to become a member of A Cappella Choir or Jazz Singers take this class in preparation for success in the auditioned groups. Note: The selection of choral music is based upon its historic and musical significance and at times will have religious text. New member fees for concert attire: Women: $100; Men: $150.

**A Pay-to-Participate fee is associated with this class*

*Return to course offering page: **9, 10, 11, 12***

3776 HONORS WOMEN'S CHORUS

Year Credit 1 Grades 10-12

The Southview women's chorus is a new opportunity for junior and senior women with at least one year of choir experience with Mrs. Andrews. We will be performing high level literature from various time periods and styles. In order to be scheduled for this course you must be recommended by Mrs. Andrews. If you do not meet the above requirements (you are a freshmen/sophomore, or have never been in choir) you may audition with Mrs. Andrews to earn a recommendation for the course.

*Return to course offering page: **9, 10, 11, 12***

3768 POPULAR MUSIC

Semester Credit 1/2 Grade 10-12

Jazz, Blues, Rock-n-Roll and all popular music from the 1910's to the present will be studied. The course involves a great deal of music listening in conjunction with defining what musical traits characterize each style of popular music. Each student will be able to classify and categorize popular music examples by artist and by the stylistic techniques used.

*Return to course offering page: **10, 11, 12***

3767 AP MUSIC THEORY

Year Credit 1 Grade 11-12 Est. Fee: $93

Corequisite: A Cappella Choir, Chamber Orchestra, Wind Ensemble, or consent of the instructor.

AP Music Theory is for the student who has a serious interest in knowing how music is put together. It is for the highly motivated student who will learn most of the skills taught in a first level college music theory course. Students will learn about musical modes and rules of basic composition. While piano keyboard skills are not required, they are helpful. Aural skills will be learned and developed through the use of several music skills computer programs. Students will develop listening skills to enable them to hear and notate musical examples and heighten compositional skills. It is expected that students will take the AP exam.

*Return to course offering page: **11, 12***

3764 A CAPPELLA CHOIR (NV)

Year Credit 1 Grades 11-12

Southview's most select mixed chorus. In addition to concerts, A Cappella Choir will tour at least bi-annually out-of-state, with smaller local tours also on the schedule. A wide variety of music is performed, including some of the more demanding vocal literature. Membership is by simple audition that requires no preparation, during January and February of the previous year. While not required, it is recommended that a student wishing to become a member of the A Cappella Choir participate in Women's Chorus or Men's Chorus in preparation for this auditioned group. **Attendance at scheduled performances is required.** Note: The selection of choral music is based upon its historic and musical significance and at times will have religious text. New member fees for concert attire: Women: $100; Men: $150. (All performing ensembles have identical concert attire.)

**A Pay-to-Participate fee is associated with this class*

*Return to course offering page: **11, 12***

3766 HONORS A CAPPELLA CHOIR (NV)

Year **Credit 1** **Grades 11-12**

Honors A cappella Choir students are selected by audition only. Student selected for this elite group must be enrolled in A cappella Choir. Honors A cappella Choir students perform more frequently throughout the school year than the other performing ensembles. In addition, an greater emphasis is placed on vocal jazz performance. Students enrolled in Honors A cappella Choir must perform a solo at the Ohio Music Education Association Solo and Ensemble Contest, and must prepare auditions for District Honors Choir. Students selected for Honors A cappella Choir must exhibit the highest rehearsal and performance integrity. **Attendance at scheduled performances is required.** Note: The selection of choral literature is based upon its historical, musical and technical significance and at times will have religious text. New member fees for concert attire: Women: $100; Men $150. (All performing ensembles have identical concert attire.)

**A Pay-to-Participate fee is associated with this class*

SCIENCE

A full year of physical science, a full year of biological science and a full year of elective science are required for graduation.

3421 AP BIOLOGY

Year **Credit 1** **Grades 11-12** **Est. Fee: $12**

7 periods per week

Prerequisites: Physical Science or Physical Science Honors, Biology, Chemistry (concurrent) and teacher recommendation.

Student must have a non-programmable scientific calculator.

This college level course is an in-depth study of molecular, cellular, organismal, and population biology. Selected laboratory activities, some requiring substantial outside research, may involve such topics as macromolecules, enzymes, photosynthesis, respiration, mineral nutrition, plant hormones, genetics, comparative plant and animal anatomy, microbiology and ecology. Topics, labs and tests prepare students for the AP Biology Exam in May.

*Return to course offering page: **11, 12***

3434 ASTRONOMY

Year **Credit 1** **Grades 10-12**

Prerequisite: Physical Science or Honors Physical Science

Student must have a non-programmable scientific calculator.

Astronomy is a general survey course first introducing the student to the night sky, its many constellations, brighter stars and motions. The historical development of astronomical thought and our place in the Universe is the second major topic of study. The course concludes with a study of the moon, lunar exploration, planets, and other bodies in our solar system. The manned and unmanned exploration of the planets will also be discussed. Field trips to local planetariums and observing session (s) (weather permitting) are planned as parts of the course. Note: Availability of this course in the 2007-2008 school year depends upon staffing constraints.

*Return to course offering page: **10, 11, 12***

3435 ENVIRONMENTAL SCIENCE

Year **Credit 1** **Grade 11-12** **Est. Fee: $10**

Prerequisite: Physical Science and Biology

Environmental Science is a high school level course, which satisfies the Ohio Core science graduation requirements and engages students in asking valid scientific questions and gathering and analyzing information. It incorporates biology, chemistry, physics and physical geology. It uses real-world scenarios to examine the environmental impact of population growth on natural resources; mineral and resource extraction; water resource use and water pollution; air pollution and climate change; and conventional and sustainable energy supplies. Emphasis is placed on a holistic approach to environmental science using class discussions, laboratory exercises, and environmental surveys to reinforce scientific principles.

*Return to course offering page: **11, 12***

3416 FORENSIC SCIENCE

Year **Credit 1** **Grade 11-12** **Est. Fee: $10**

Prerequisite: Physical Science 9 and Biology

Forensics is the rigorous application of science in the processing of physical evidence during criminal investigations. The field of forensic science uses analytical and empirical evidence to help support the legal system in its prosecution of the perpetrators of a crime. You will study the various principles and methods used in the sciences to evaluate evidence at a crime scene, ultimately using the evidence and your deductive reasoning skills to solve the crime. Sciences used in forensics include any discipline that can aid in the collection, preservation and analysis of evidence, such as chemistry, physics, or biology.

*Return to course offering page: **11, 12***

34163 HONORS FORENSIC SCIENCE

Year **Credit 1** **Grades 11-12** **Est. Fee: $10**

Prerequisite: Physical Science 9 and Biology. Teacher recommendation required.

Honors Forensic Science covers the same general topics as Forensic Science but at an accelerated pace and greater depth. Students in Honors Forensic Science must complete a summer packet. This is due at the start of the course in the fall. Each student should pick up a welcome letter from the instructor detailing the work required.

3419 AP ENVIRONMENTAL SCIENCE

Year **Credit 1** **Grade 11-12** **Est. Fee $10**

Prerequisite: Biology and Algebra

Corequisite: Chemistry

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. A summer assignment outside of class is required. It is expected that all students will take the AP Exam.

*Return to course offering page: **10, 11, 12***

3420 BIOCHEMISTRY

Year **Credit 1** **Grades 11-12** **Est. Fee: $10**

Student must have a non-programmable scientific calculator.

Prerequisite: Physical Science

Biochemistry is an integrated course combining chemistry and biology with the major emphasis on chemistry. It is designed for the 11th or 12th grade student who does not have the math prerequisite for Chem I. Topics include bio/medical applications, environmental technology, and engineering technology. It is an applications based course.

*Return to course offering page: **11, 12***

3422 CHEMISTRY

Year **Credit 1** **Grades 10-12** **Est. Fee: $10**

7 periods per week

Student must have a non-programmable scientific calculator.

Prerequisite: Physical Science or Physical Science Honors and Algebra I

Chemistry is a lab-lecture course. It includes topics such as atomic theory, bonding, periodic law, stoichiometry, kinetic molecular theory, gas laws, energy of reactions, solutions, equilibrium, oxidation and reduction, organic chemistry and qualitative analysis. Chemistry is designed for students who are (a) interested in a more rigorous chemistry course and/or (b) preparing for further study in science or a science-related field. (With permission of instructor, may be taken concurrently with Biology as a sophomore.)

*Return to course offering page: **10, 11, 12***

3431 HONORS CHEMISTRY

Year **Credit 1** **Grades 10-12** **Est. Fee: $10**

7 periods per week

Prerequisite: Physical Science or Honors Physical Science, Algebra I and Teacher Recommendation. Corequisite: Algebra II

May be taken concurrently with Biology. (Instructor's approval required) **Student must have a non-programmable scientific calculator.**

Honors Chemistry covers the same general topics as Chemistry but at an accelerated pace and greater depth.

*Return to course offering page: **10, 11, 12***

3423 AP CHEMISTRY

Year **Credit 1** **Grades 11-12** **Est. Fee: $15**

8 periods per week

Chemistry or Honors Chemistry with a minimum grade of 'B' and Teacher Recommendation. Corequisite: Algebra II

Advanced Placement Chemistry is a study of the first year of college chemistry. The topics include those on the Advanced Placement Chemistry Test. Topics such as the structure of matter, kinetic-molecular theory of gases, chemical equilibria, chemical kinetics, and basic thermodynamics are presented. This is a rigorous, fast-paced chemistry course. The grades are based primarily on tests in conjunction with homework, quiz and laboratory grades.

*Return to course offering page: **11, 12***

3430 ANATOMY AND PHYSIOLOGY

Year **Credit 1** **Grade 11-12** **Est. Fee: $25**

Prerequisite: Physical Science , Biology, Chemistry (can be taken concurrently)

Student must have a non-programmable scientific calculator.

Anatomy and Physiology is the study of human structure and function. The course encompasses the structure, biochemical, and biophysical processes of cells, primary tissues, and the eleven body systems with associated organs. Lecture, cat dissection and selected laboratory investigations are the basic activities of the course. (This is a senior course—junior year only as a second science, and the first science must be chemistry or physics.)

*Return to course offering page: **11, 12***

3445 HONORS ANATOMY AND PHYSIOLOGY

Year **Credit 1** **Grade 11-12** **Est. Fee: $25**

Prerequisites: Biology and teacher recommendation

Students must have a non-programmable scientific calculator.

Honors Anatomy and Physiology covers the same general topics as Anatomy and Physiology, but at an accelerated pace and in greater depth. It is the study of human structure and function. The course encompasses the structure, biochemical, and biophysical processes of cells, primary tissues, and the eleven body systems with associated organs. This course requires reading, writing, and oral expression, with an emphasis on higher level critical thinking skills. All students wanting to take CCP Anatomy and Physiology must enroll in this honors section. for grades 11-12

3425 PHYSICS

Year **Credit 1** **Grades 10-12** **Est. Fee: $10**

7 periods per week

Prerequisites: Physical Science or Honors Physical Science

Corequisite: Algebra II

Student must have a non-programmable scientific calculator.

This first year course in Physics covers topics in mechanics and waves with additional work in thermodynamics and electricity as time permits. The main focus of the course will be laboratory work, conceptual development and problem solving. This course is designed for college-bound students.

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3429 HONORS PHYSICS

Year **Credit 1** **Grades 10-12** **Est. Fee: $10**

7 periods per week

Prerequisites: Physical Science , Algebra II, teacher recommendation

Corequisite: Pre-calculus or Calculus

Student must have a non-programmable scientific calculator.

This first year course in Physics is designed for the student who is planning on pursuing a career in a science, engineering or medical related field of study in college. Students who enroll in those programs of study are generally required to take a Physics course. Honors Physics would be the course to take in high school to prepare you for college physics. Coursework in Honors Physics will include the mechanics of motion, waves, sound, optics, and electricity. Extensive lab work, data analysis and problem solving are the main foci of the course.

*Return to course offering page: **10, 11, 12***

3426 AP PHYSICS 1

Year **Credit 1** **Grade 11-12** **Est. Fee $10**

7 periods per week

Prerequisites: Algebra II and Teacher Recommendation

Corequisite: Honors Precalculus and a teacher recommendation

AP Physics 1 will cover the same content as described by the College Board to prepare for the AP Physics 1 exam. According to the College Board: AP Physics 1 is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits.

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3441 HONORS RESEARCH METHODS IN SCIENCE IV

Year **Credit 1** **Grades 12**

Prerequisite: Physical Science or Physical Science Honors, Research Methods in Science I, II, III, and instructor approval

Students work independently on research projects of their own design. Students work on group projects for school and community. Class involves research, project development and implementation, data analysis and preparation of report and presentations. There are opportunities to enter a variety of science competitions. Advanced students are expected to mentor Level I students who are currently in the class. This course allows students to continue their research.

*Return to course offering page: **10, 11, 12***

SOCIAL STUDIES

3321 PSYCHOLOGY

Semester **Credit $^1/_2$** **Grades 11-12**

This is a survey class that offers an overview of major themes in Psychology. Topics include; research methods and history, abnormal behavior, states of consciousness, learning, memory, personality and development. Students explore topics through outside research, reports and class presentations. This course requires both written and oral expression with an emphasis on higher level critical thinking skills.

*Return to course offering page: **11, 12***

3212 AP PSYCHOLOGY

Year **Credit 1** **Grade 11-12** **Est. Fee $2**

Prerequisites: Overall GPA of 3.5 and/or teacher recommendation.

AP Psychology is designed to prepare students for the AP National Psychology Exam. It is equivalent to an introductory college course in psychology. The course receives honors credit. Students who successfully complete the national exam may receive and advance placement and/or waiving of course work at the university level. All areas of psychology are covered. This includes but is not limited to; history and methodology, biological basis of behavior, states of consciousness, learning and cognition, memory, personality, sensation and perceptions, motivation, social psychology abnormal psychology and child development. Students are expected to complete a considerable amount of reading in the text and supplemental materials. This course requires students to synthesize and evaluate all material presented through both oral and written format. There is a heavy emphasis on study skills and genuine class participation in activities and discussion. Space preference will go to students who have not already taken a regular Psychology course.

*Return to course offering page: **11, 12***

3205 SOCIOLOGY

Semester Credit 1/2 Grades 11-12

This course will study the causes and effects of social problems in society with an emphasis on discussion and research. Students will investigate topics such as social groups; norms of society; poverty; deviant behavior; the family; aging; and crime as those issues have been considered in the past as well as their impact on today's world. Students will have an opportunity to design and conduct sociological research with encouragement to propose solutions to those problems of society they investigate.

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WORLD LANGUAGES

Department Recommendations and Notes

Because success in the third and fourth levels of a world language depends so heavily on what was learned the previous years, those with a C average or less should continue only with the permission of the teacher.

Fifth year students will follow an Advanced Placement course that will cover all aspects of the language. Grades for these students will be weighted.

In many levels of French, Spanish and German, the chosen textbook is supplemented by student-purchased workbooks and/or Scholastic Magazine. Technology provides opportunities to hear the language from native speakers.

Since world language is an elective, students are not permitted to enroll in one level of a language more than twice.

Southview offers three languages, each in 4-5 levels: German, Spanish, and French.

LEVEL I LANGUAGES

Year Credit 1 Grade 9-10

German I, French I, Spanish I, and Chinese I are designed around the Ohio World Language Standards and the World-Readiness Standards for Learning Languages by ACTFL. The course introduces the modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture through the study of topics such as school, family and weekend activities. Students will learn how to pronounce German, French, or Spanish with a native accent. Chinese students will learn how to pronounce words by writing with Pin Yin, the Chinese phonetic writing system; they will also learn to write Chinese characters. All students will learn about cultural aspects and traditions of German, French, Spanish, or Chinese speakers. The targeted proficiency level at this level is Novice-Mid for German, French, and Spanish students and Novice-Low for Chinese students, according to the ACTFL Proficiency Guidelines.

*Return to course offering page: **9, 10***

3720 German I Est. Fee $15
3701 French I Est. Fee $8
3730 Spanish I Est. Fee $8

LEVEL II LANGUAGES

Year Credit 1 Grade 9-11

Prerequisite: 70% or above in Level I course

German I, French I, Spanish I, and Chinese I are designed around the Ohio World Language Standards and the World-Readiness Standards for Learning Languages by ACTFL. The course continues with the modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture. The targeted proficiency level is Novice-High for German, French, and Spanish students and Novice-Mid for Chinese students, according to the ACTFL Proficiency Guidelines.

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3720 German II Est. Fee $8
3701 French II Est. Fee $8
3730 Spanish II Est. Fee $8

HONORS LEVEL III LANGUAGES

Year Credit 1 Grade 10-12

Prerequisite: 70% or above in Level II course

Honors German IIII, Honors French III, Honors Spanish III, and Honors Chinese III are designed around the Ohio World Language Standards and the World-Readiness Standards for Learning Languages by ACTFL. Units will utilize 21st century skills and authentic resources to engage learners in relevant and meaningful use of the new language and exploration of the culture. For German, French, and Spanish students, this course enables the learner to advance beyond the novice level of language acquisition. An intermediate level of competency is attained by the end of the course in speaking, writing, and interpretive reading and listening. Students will gain deeper and more complex abilities to communicate in the presentational and interpersonal modes. The targeted proficiency level for these students at this level is Intermediate-Low according to the ACTFL Proficiency Guidelines. For Chinese students, the course continues with modes of communication in interpersonal conversations, presentational writing and speaking, and interpretive reading and listening skills. The targeted proficiency level for these students at this level is Novice-High, according to ACFTL Proficiency Guidelines.

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3720 Honors German III Est. Fee $8
3701 Honors French III Est. Fee $8
3730 Honors Spanish III Est. Fee $8

HONORS LEVEL IV LANGUAGES

Year Credit 1 Grade 11-12

Prerequisite: 70% or above in Level III course

Honors German IV, Honors French IV, Honors Spanish IV, and Honors Chinese IV are designed around the Ohio World Language Standards and the World-Readiness Standards for Learning Languages by ACTFL. For German, French, and Spanish students, study is furthered through conversation and composition. The emphasis is on proficiency through listening and reading for comprehension, interpersonal communication, and written and spoken presentations. The topics may include personal relationships, important historical figures, issues in education, and other topics that interest the students and teachers. Students will frequently access authentic sources, such as fiction and nonfiction texts, as well as audio and visual including the radio or podcasts and video or film. As an immersion class, the teacher and students speak almost exclusively the focus language. The targeted proficiency level for students at this level is Intermediate-Mid according to the ACTFL Proficiency Guidelines. For Chinese students, the targeted proficiency level is Novice-High/Intermediate-Low; they will begin to create with language and use language to resolve simple problems.

*Return to course offering page: **11, 12***

3723 Honors German IV Est. Fee $8
3705 Honors French IV Est. Fee $8
3735 Honors Spanish IV Est. Fee $8

AP LANGUAGES

Prerequisite: 70% or above in Level IV course

3706 AP FRENCH LANGUAGE AND CULTURE

Year Credit 1 Grade 12 Est. Workbook Fee $51

Prerequisite: 70% or above in Honors French IV course

AP French Language & Culture is designed around the Ohio World Language Standards, the recommended contexts and themes by College Board, and the World-Readiness Standards for Learning Languages by ACTFL. This course seeks to develop even more language proficiency in French through listening and reading for comprehension, interpersonal communication, and written and spoken presentations. The course is similar in rigor to that of a third year college French conversation and composition course. The course will reflect the interests shared by the students and teacher across the six AP themes: the arts, families and communities, contemporary life, personal and public identities, global challenges, and science and technology. Authentic francophone materials will be used including radio, films, current events, the Internet, magazines, poems, and excerpts from other short stories, and novels. As an immersion class, the teacher and students speak exclusively French. Students should see teacher for summer project, which will be due at the beginning of the school year. The targeted proficiency level for students at this level is Intermediate-High or Pre-Advanced according to the ACTFL Proficiency Guidelines

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3736 AP SPANISH LANGUAGE AND CULTURE

Year Credit 1 Grade 12 Est. Workbook Fee $47

Prerequisite: 70% or above in Honors Spanish IV course

AP Spanish Language & Culture is designed around the Ohio World Language Standards, the recommended contexts and themes by College Board, and the World-Readiness Standards for Learning Languages by ACTFL. This course seeks to develop language proficiency in Spanish through listening and reading for comprehension, interpersonal communication, and written and spoken presentations. The course will reflect the interests shared by the students and teacher across the six AP themes: the arts, families and communities, contemporary life, personal and public identities, global challenges, and science and technology. Authentic Spanish and Hispanic materials will be used including radio, films, current events, the Internet, magazines, poems, and excerpts from other short stories, novels. As an immersion class, the teacher and students speak exclusively Spanish. This course prepares students to take the AP Spanish Language and Culture exam at the end of the year. Students should see teacher for summer project, which will be due at the beginning of the school year. The targeted proficiency level for students at this level is Intermediate-High or Pre-Advanced according to the ACTFL Proficiency Guidelines.

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CONVERSATION COURSES

3711 HONORS SPANISH CONVERSATION

Semester, Credit 1/2 Grade 10-12

Prerequisite: Spanish II, concurrent enrollment in Spanish III, Spanish IV, or AP Spanish

Spanish Conversation will focus on the development of oral fluency in Spanish. Students will participate in a collaborative and interactive Spanish-language immersion environment. Even though the course will focus on interpersonal speaking as the targeted mode of communication, students can also expect to develop their interpretive reading, listening and viewing, as well as their presentational writing and speaking. The integrated curriculum will help students to gain proficiency across all modes of communication. The course topics will include but not be limited to: conversations, presentations on personal and academic topics, debates, storytelling, pronunciation, cooking, music, film, reading, writing.

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3707 HONORS FRENCH CONVERSATION

Semester, Credit 1/2 Grade 10-12

Prerequisite: French II, concurrent enrollment in French III, French IV, or AP French

French Conversation will focus on the development of oral fluency in French. Students will participate in a collaborative and interactive French-language immersion environment. Even though the course will focus on interpersonal speaking as the targeted mode of communication, students can also expect to develop their interpretive reading, listening and viewing, as well as their presentational writing and speaking. The integrated curriculum will help students to gain proficiency across all modes of communication. The course topics will include but not be limited to: conversations, presentations on personal and academic topics, debates, storytelling, pronunciation, cooking, music, film, reading, writing.

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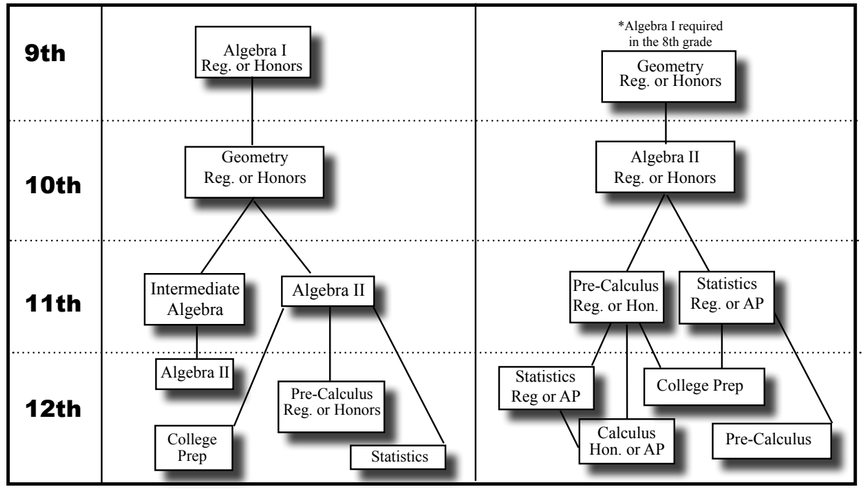
Southview Math Department



Notes:
Reg. = regular
Hon. = honors
AP = Advanced Placement

- Four year colleges recommend students complete Algebra II. All tracks can lead to Algebra II.
- Statistics may be taken concurrently with any course after Algebra II.
- 4 credits required.

Create Your Four Year Plan

Name _____

SUBJECT AREAS	GRADE 9 CLASSES/CREDIT	GRADE 10 CLASSES/CREDIT	GRADE 11 CLASSES/CREDIT	GRADE 12 CLASSES/CREDIT	TOTAL CREDITS
English					
Mathematics					
Science					
Social Studies					
World Languages					
Health					
Physical Education					
Fine Art					
Career Technical					
Elective:					
Elective:					
Elective:					
Elective:					
Total Credits					

See Page 37 for Graduation Requirements