

**Avonworth High School 2023-2024  
Quick Reference Course List**



Title of Course by Subject	Credits	Course counts as...	Grade	Pre-requisites
<b>Art Courses</b>				
Integrated Arts English 10, World Affairs, Fine Arts	2 credits	Grad Req - English, Social Studies, Art or Elective	10	Teacher Recommendation
<b>Fine Arts Pathway</b>				
Studio Arts 1	.5 credit	Art or Elective	9-10-11-12	none
Studio Arts 2	1 credit	Elective	10-11-12	Studio Arts 1 or Teacher Recommendation
Studio Arts 3	.5 or 1 credit	Elective	11-12	Teacher Recommendation
Honors Art - Portfolio for Studio Artists*	1 credit	Elective	12	Teacher Recommendation
<b>Media Arts Pathway</b>				
Media Arts 1	.5 credit	Art or Elective	9-10-11-12	none
Media Arts 2	.5 credit	Elective	9-10-11-12	Media Arts 1
Media Arts 3	.5 or 1 credit	Elective	11-12	Teacher Recommendation
Honors Art - Portfolio for Media Artists*	1 credit	Elective	12	Teacher Recommendation
<i>*These courses may be combined</i>				
Videography 1	.5 credit	Art or Elective	9-10-11-12	none
Videography 2	.5 credit	Elective	9-10-11-12	Videography 1
Partners Art	.5 credit	Graduation Requirement or Elective	10-11-12	Teacher Discussion
<b>A.W. Beattie Career Center Programs</b>				
Advertising Design	3 credits	Art, Technology, or Elective	10-11-12	none
Automotive Collision Technology	3 credits	Technology or Elective	10-11-12	none
Automotive Technology	3 credits	Technology or Elective	10-11-12	none
Building Construction/Carpentry	3 credits	Technology or Elective	10-11-12	none
Computer Systems, Network Engineering, & Cyber Security	3 credits	Technology or Elective	10-11-12	none
Cosmetology	3 credits	Art or Elective	10-11-12	none
Culinary Arts	3 credits	Art or Elective	10-11-12	none
Dental Careers	3 credits	Technology or Elective	10-11-12	none
Early Childhood Education	3 credits	Elective	10-11-12	none
Emergency Response Technology	3 credits	Technology or Elective	10-11-12	none
Health and Nursing Sciences	3 credits	Technology or Elective	10-11-12	none
Heating, Ventilation, and Air Conditioning	3 credits	Technology or Elective	10-11-12	none
Pastry Arts	3 credits	Technology or Elective	10-11-12	none
Pharmacy Operations	3 credits	Elective	10-11-12	none
Robotics Engineering Technology	3 credits	Art or Elective	10-11-12	none
Sports Medicine - Rehab Therapy	3 credits	Technology or Elective	10-11-12	none
Surgical Sciences	3 credits	Technology or Elective	10-11-12	none
Veterinary Sciences	3 credits	Technology or Elective	10-11-12	none
<b>Business Courses</b>				
Personal Finance	.5 credit	Graduation Requirement	9-10-11-12	none
Introduction to Business	.5 credit	Technology or Elective	9-10-11-12	none
Entrepreneurship	.5 credit	Technology or Elective	11-12	none

Macroeconomics	1 credit	Technology or Elective	11-12	Algebra 1
Honors Accounting	1 credit	Technology or Elective	11-12	Algebra 2

<b>Computer Science Courses</b>				
Computer Programming 1	.5 credit	Technology or Elective	9-10-11-12	none
Computer Programming 2	.5 credit	Technology or Elective	9-10-11-12	Intro to CS 1A
Exploring Robotics & Artificial Intelligence	.5 credit	Technology or Elective	9-10-11-12	none
CHS - Intermediate Programming using Java	1 credit	Elective - Dual Enrollment - Pitt	10-11	Intro to CS 1A
CHS - Introduction to Computer Programming with Python	.5 credit	Elective - Dual Enrollment - Pitt	12	Intro to CS 1A

Pitt course: CMPINF 0401  
Pitt course: CS 0012

<b>English Courses</b>				
Academic English 9	1 credit	Graduation Requirement	9	none
Honors English 9	1 credit	Graduation Requirement	9	8th Grade Recommendation
Integrated English 9 & Social Studies	2 credits	Grad Req - English, Social Studies	9	none
Academic English 10	1 credit	Graduation Requirement	10	Academic/Honors English 9
Honors English 10	1 credit	Graduation Requirement	10	Honors English 9 and/or Teacher Recommendation
Integrated Arts English 10, World Affairs	2 credits	Grad Req - English, Social Studies	10	Academic English 9 & World Geography/Cultures
Academic English 11	1 credit	Graduation Requirement	11	Academic/Honors English 10
Honors English 11	1 credit	Graduation Requirement	11	Honors English 10 and/or Teacher Recommendation
Advanced Placement English Language & Composition	1 credit	Graduation Requirement	11	Honors English 10 and Teacher Recommendation
Academic English 12	1 credit	Graduation Requirement	12	Academic/Honors English 11
Advanced Placement English Literature	1 credit	Graduation Requirement	12	Honors/AP English 11 and Teacher Recommendation
English Skills	1 credit	Graduation Requirement	9-10-11-12	Special Education Recommendation
Creative Writing 1	.5 credit	Art or Elective	9-10-11-12	none
Creative Writing 2	.5 credit	Elective	9-10-11-12	Creative Writing 1 and/or Teacher Recommendation
Introduction to Theater (Drama)	.5 credit	Art or Elective	9-10-11-12	none
Journalism 1	.5 credit	Art or Technology or Elective	9-10-11-12	none
Journalism 2	.5 credit	Art or Technology or Elective	9-10-11-12	Journalism 1 and/or Teacher Recommendation
Digital Storytelling	.5 credit	Art or Technology or Elective	9-10-11-12	none

<b>Family and Consumer Science Courses</b>				
Today's Foods	.5 credit	Elective	9-10-11-12	none
Gourmet Foods	.5 credit	Elective	10-11-12	none
Foods Americana	.5 credit	Elective	10-11-12	none
World Foods	.5 credit	Elective	10-11-12	none
Interior Design	.5 credit	Art or Elective	9-10-11-12	none
Child Development	.5 credit	Elective	11-12	none

<b>Mathematics Courses</b>				
Algebra 1	1 credit	Graduation Requirement	9	none
Honors Algebra 1	1 credit	Graduation Requirement	9	Teacher Recommendation
Geometry	1 credit	Graduation Requirement	9-10	Algebra 1
Honors Geometry	1 credit	Graduation Requirement	9-10	Honors Algebra 1 and/or Teacher Recommendation
Algebra 2	1 credit	Graduation Requirement	10-11	Geometry
Honors Algebra 2	1 credit	Graduation Requirement	10-11	Honors Geometry and/or Teacher Recommendation
Trigonometry	1 credit	Graduation Requirement or Elective	11-12	Algebra 2
Honors Trigonometry & Pre Calculus	1 credit	Graduation Requirement or Elective	11-12	Algebra 2
CHS - Business Calculus	1 credit	Grad Requirement or Elective - Dual Enrollment Pitt	11-12	Honors Trigonometry & Pre Calculus

Advanced Placement Calculus AB	1 credit	Graduation Requirement or Elective	11-12	Honors Trigonometry & Pre Calculus
Advanced Placement Calculus BC	1 credit	Elective	12	AP Calculus AB or CHS Business Calculus
Math Skills	1 credit	Graduation Requirement	9-10-11-12	Special Education Recommendation
CHS - Probability & Statistics	1 credit	Elective - Dual Enrollment - Pitt	11-12	Algebra 1
Advanced Placement Statistics	1 credit	Elective	11-12	Algebra 1

Pitt Course Code: Stat 0200

<b>Music Courses</b>				
Concert Choir	1 credit	Art or Elective	9-10-11-12	none
Concert Band	1 credit	Art or Elective	9-10-11-12	none
Honors Band	1 credit	Art or Elective	10-11-12	Audition
American Popular Music 1: A Reflection of Society 1850-1960's	.5 credit	Art or Elective	9-10-11-12	none
American Popular Music 2: A Reflection of Society 1970's-Present	.5 credit	Art or Elective	9-10-11-12	American Popular Music 1
Music Theory (alternates based on need)	1 credit	Art or Elective	9-10-11-12	Teacher Recommendation

<b>Physical Education and Health Education Courses</b>				
Health/Physical Education 9	.5 credit	Graduation Requirement	9	none
Health/Physical Education 10-12	.5 credit	Graduation Requirement	10-11-12	none
Partners Physical Education	.5 credit	Graduation Requirement or Elective	10-11-12	Teacher Discussion

<b>Science Courses</b>				
Biology	1 credit	Graduation Requirement	9	none
Honors Biology	1 credit	Graduation Requirement	9	none
Biology 10 (only year 2023/2024)	1 credit	Graduation Requirement	9	none
AP Biology	1 credit	Graduation Requirement or Elective	11-12	Biology & Chemistry and Teacher Recommendation
CHS Anatomy and Physiology	1 credit	Grad Require or Elective - Dual Enrollment - Carlow	10-11-12	Biology
The Physical Sciences	1 credit	Graduation Requirement or Elective	10-11-12	Biology
Environmental Science	.5 credit	Graduation Requirement or Elective	10-11-12	Biology
Chemistry	1 credit	Graduation Requirement or Elective	10-11-12	Algebra 1 & Biology
Honors Chemistry	1 credit	Graduation Requirement or Elective	10-11-12	Algebra 1 & Biology
Astronomy 1 (Space Science)	.5 credit	Graduation Requirement or Elective	9-10-11-12	none
Astronomy 2 (Space Science)	.5 credit	Graduation Requirement or Elective	10-11-12	Astronomy 1 & Biology
Earth Science	.5 credit	Graduation Requirement or Elective	9-10-11-12	none
Forensic Science (alternate years)	.5 credit	Graduation Requirement or Elective	10-11-12	Biology & Chemistry

AP Chemistry	1 credit	Graduation Requirement or Elective	11-12	Humanities/STEM Chemistry, Algebra II and Teacher Recommendation
Physics	1 credit	Graduation Requirement or Elective	10-11-12	Algebra 1 & Biology and/or Teacher Recommendation if not taken Humanities/STEM Chemistry
Honors Physics	1 credit	Graduation Requirement or Elective	11-12-21	Algebra 1 & Biology, Humanites/STEM Chemistry and/or Teacher Recommendation
AP Physics	1 credit	Graduation Requirement or Elective	11-12	Humanities or STEM Physics and Teacher Recommendation, Course must be taken with or after Calculus

<b>Social Studies Courses</b>				
US History - Part 1	1 credit	Graduation Requirement	9	none
Honors US History - Part 1	1 credit	Graduation Requirement	9	Teacher recommendation
Integrated English 9 & Social Studies	2 credits	Grad Req - English, Social Studies	9	8th Grade Recommendation
World Affairs	1 credit	Graduation Requirement	10	None

Honors World Affairs	1 credit	Graduation Requirement	10	Honors World Geography/Cultures and/or Teacher Recommendation
Integrated Arts English 10, World Affairs	2 credits	Grad Req - English, Social Studies	10	Academic English 9 & World Geography/Cultures
US History - Part 2	1 credit	Graduation Requirement	11	None
Honors US History - Part 2	1 credit	Graduation Requirement	11	Honors World Affairs and/or Teacher Recommendation
Advanced Placement (AP) US History	1 credit	Graduation Requirement	11	Honors World Affairs and Teacher Recommendation
Problems of Democracy (POD)	1 credit	Graduation Requirement	12	None
CHS - American Politics	1 credit	Graduation Req. or Elective - Dual Enrollment - Pitt	12	Honors/AP US History and Teacher Recommendation
AP Human Geography	1 credit	Elective	11-12	Teacher Discussion; World Affairs
Introduction to Psychology	.5 credit	Elective	10-11-12	none
Sociology	.5 credit	Elective	10-11-12	none
Modern Dilemmas	.5 credit	Elective	10-11-12	Maturity and Teacher Recommendation
American Conflicts	.5 credit	Elective	9-10-11-12	none
Conspiracy Theories (alternate years)	.5 credit	Elective	10-11-12	none
Genocide Studies: The Holocaust	.5 credit	Elective	11-12	Maturity for Subject Matter

<b>Technology Education/Engineering Courses</b>				
CHS - Introduction to Engineering Design (PLTW)	1 credit	Tech or Elective - Dual Enrollment - RIT	10-11-12	Algebra 1
CHS - Computer Integrated Manufacturing (PLTW)	1 credit	Tech or Elective - Dual Enrollment - RIT	10-11-12	Algebra 1
Manufacturing Technology (can be repeated)	.5 credit	Technology or Elective	9-10-11-12	none

<b>World Language Courses</b>				
French 1	1 credit	Elective	9-10-11-12	none
French 2	1 credit	Elective	9-10-11-12	French 1
French 3	1 credit	Elective	10-11-12	French 2
CHS French	1 credit	Elective - Dual Enrollment - Pitt	12	French 3
Latin 1	1 credit	Elective	9-10-11-12	none
Latin 2	1 credit	Elective	9-10-11-12	Latin 1
Latin 3	1 credit	Elective	10-11-12	Latin 2
CHS - Latin	1 credit	Elective - Dual Enrollment - Pitt	12	Latin 3
Mandarin Chinese 1	1 credit	Elective	9-10-11-12	none
Mandarin Chinese 2	1 credit	Elective	9-10-11-12	Mandarin Chinese 1
Mandarin Chinese 3	1 credit	Elective	10-11-12	Mandarin Chinese 2
CHS - Mandarin Chinese	1 credit	Elective - Dual Enrollment - Pitt	12	Mandarin Chinese 3
Spanish 1	1 credit	Elective	9-10-11-12	none
Spanish 2	1 credit	Elective	9-10-11-12	Spanish 1
Spanish 3	1 credit	Elective	10-11-12	Spanish 2
CHS - Spanish Language	1 credit	Elective - Dual Enrollment - Pitt	12	Spanish 3

<b>General Electives</b>				
9th Grade Seminar	.5 credit	Graduation Requirement	9	none
Research Seminar (Student Designed)	.5 or 1 credit	Elective - Not scheduled into a Mod(s)	10-11-12	Admin Approval-Separate Application
Experience Based Learning Opportunity	.5 or 1 credit	Elective - Not scheduled into a Mod(s)	10-11-12	Admin Approval-Separate Application
Work Study	.5 or 1 credit	Elective - Not scheduled into a Mod(s)	10-11-12	Admin Approval-Separate Application
Student Teaching Assistant	.5 or 1 credit	Elective	12	Admin/Teacher Approval-Separate Application

Independent Study - Request for AHS Class unable to schedule	.5 or 1 credit	Elective - Not scheduled into a Mod(s)	10-11-12	Admin Approval-Separate Application
Scientific Research and Application (PJAS)	.5 credit	Elective	10-11-12	Teacher Recommendation

**Please contact the School Counseling Office if you have questions at 412.847.0940 or email:**

Mrs. Sundo (Counseling Secretary): [jsundo@avonworth.k12.pa.us](mailto:jsundo@avonworth.k12.pa.us)

Mr. Como (current 9th & 10th): [comod@avonworth.k12.pa.us](mailto:comod@avonworth.k12.pa.us)

Mrs. Levis (current 11th): [nlevis@avonworth.k12.pa.us](mailto:nlevis@avonworth.k12.pa.us)

Mr. Pellicano (current 8th): [apellicano@avonworth.k12.pa.us](mailto:apellicano@avonworth.k12.pa.us)