

**Avonworth High School 2022-2023**  
**Quick Reference Course List**

<b>Title of Course by Subject</b>	<b>Credits</b>	<b>Course counts as...</b>	<b>Grade</b>	<b>Pre-requisites</b>
<b>Art Courses</b>				
Integrated Arts (Honors) English 10, World Affairs, Fine Arts	3 credits	Grad Req - English, Social Studies, Art or Elective	10	Teacher Recommendation
<b>Fine Arts Pathway</b>				
Studio Arts 1	1 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 - Portfolio for Studio Artists*	.5 or 1 credit	Elective	11-12	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 - Portfolio for Media Artists*	.5 or 1 credit	Elective	11-12	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
<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>				

Introduction to Computer Science 1A	.5 credit	Technology or Elective	9-10-11-12	none	
Introduction to Computer Science 1B	.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	Pitt course: CMPINF 0401
CHS - Introduction to Computer Programming with Python	.5 credit	Elective - Dual Enrollment - Pitt	12	Intro to CS 1A	Pitt course: CS 0012

### **English Courses**

Academic English 9	1 credit	Graduation Requirement	9	none	
Honors English 9	1 credit	Graduation Requirement	9	8th Grade Recommendation	
Integrated (Honors) 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 (Honors) English 10, World Affairs & Art	3 credits	Grad Req - English, Social Studies, Art or Elective	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	
Modern Public Speaking	.5 credit	Elective	10-11-12	9th Grade Seminar & English 9	
Satire	.5 credit	Elective	11-12	none	
Digital Storytelling	.5 credit	Art or Technology or Elective	9-10-11-12	none	

### **Family and Consumer Science Courses**

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	

### **Mathematics Courses**

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	
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	Pitt Course Code: Stat 0200
Advanced Placement Statistics	1 credit	Elective	11-12	Algebra 1	
<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	1 credit	Art or Elective	9-10-11-12	Teacher Recommendation	
<b>Physical Education and Health Education Courses</b>					
Physical Education 9	.5 credit	Graduation Requirement	9	none	
Physical Education 10-12	.5 credit	Graduation Requirement	10-11-12	none	
<b>Science Courses</b>					
Earth & Space Science	1 credit	Graduation Requirement (if not taking Bio in 9th)	9	none	
Biology	1 credit	Graduation Requirement	9-10	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	
Humanities Chemistry	1 credit	Graduation Requirement or Elective	10-11-12	Algebra 1 & Biology	
STEM Chemistry	1 credit	Graduation Requirement or Elective	10-11-12	Algebra 1 & Biology	
Astronomy 1	.5 credit	Graduation Requirement or Elective	9-10-11-12	none	
Astronomy 2	.5 credit	Graduation Requirement or Elective	10-11-12	Astronomy 1 & Biology	
Forensic Science	.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	
Humanities Physics	1 credit	Graduation Requirement or Elective	10-11-12	Algebra 1 & Biology and/or Teacher Recommendation if not taken Humanities/STEM Chemistry	
STEM 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	
Science Skills	1 credit	Graduation Requirement	9-10-11-12	Special Education Recommendation	
Scientific Research and Application (PJAS)	.5 credit	Elective	10-11-12	Teacher Recommendation	
<b>Social Studies Courses</b>					
World Geography and Cultures	1 credit	Graduation Requirement	9	none	
Honors World Geography and Cultures	1 credit	Graduation Requirement	9	Teacher recommendation	
Integrated (Honors) 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 (Honors) English 10, World Affairs & Art	3 credits	Grad Req - English, Social Studies, Art or Elective	10	Academic English 9 & World Geography/Cultures	

United States History	1 credit	Graduation Requirement	11	None
Honors United States History	1 credit	Graduation Requirement	11	Honors World Affairs and/or Teacher Recommendation
Advanced Placement 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 / AP Government	1 credit	Graduation Req. or Elective - Dual Enrollment - Pitt	12	Honors/AP US History and Teacher Recommendation
Social Studies Skills	1 credit	Graduation Requirement	9-10-11-12	Special Education Recommendation
Introduction to Psychology	.5 credit	Elective	10-11-12	none
Race, Class & Gender: Intro to Sociology	.5 credit	Elective	10-11-12	none
Modern Dilemmas	.5 credit	Elective	10-11-12	Maturity and Teacher Recommendation
Service Learning	.5 credit	Elective	10-11-12	none
American Conflicts	.5 credit	Elective	9-10-11-12	none
Conspiracy Theories	.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	.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
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

				<b><i>Please contact the School Counseling Office</i></b>	
				<b><i>if you have questions at 412.847.0940</i></b>	
				<b><i>or email Mr. Como at comod@avonworth.k12.pa.us</i></b>	
				<b><i>Mrs. Levis at nlevis@avonworth. k12.pa.us</i></b>	
				<b><i>Mr. Pellicano at apellicano@avonworth.k12.pa.us</i></b>	