

Avonworth High School 2022-2023 Quick Reference Course List

Title of Course by Subject		Credit	Course counts as...	Grade	Pre-requisites
Art Courses					
Integrated Arts (Honors) English 10, World Affairs, Fine Arts	Integrated Arts 10	3 credits	Grad Req - English, Social Studies, Art or Elective	10	Teacher Recommendation
Fine Arts Pathway					
Studio Arts 1	Studio Arts Sequence	1 credit	Art or Elective	9-10-11-12	none
Studio Arts 2	Studio Arts Sequence	1 credit	Elective	10-11-12	Studio Arts 1 or Teacher Recommendation
Studio Arts 3 - Portfolio for Studio Artists*	Studio Arts Sequence	.5 or 1 credit	Elective	11-12	Teacher Recommendation
Media Arts Pathway					
Media Arts 1	Media Arts	.5 credit	Art or Elective	9-10-11-12	none
Media Arts 2	Media Arts	.5 credit	Elective	9-10-11-12	Media Arts 1
Media Arts 3 - Portfolio for Media Artists*	Media Arts	.5 or 1 credit	Elective	11-12	Teacher Recommendation
<i>*These courses may be combined</i>					
Videography 1	Videography 1 & 2	.5 credit	Art or Elective	9-10-11-12	none
Videography 2	Videography 1 & 2	.5 credit	Elective	9-10-11-12	Videography 1
A.W. Beattie Career Center Programs					
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
	For individual course descriptions see https://www.beattietech.com/				
Business Courses					
Personal Finance	Personal Finance Intro	.5 credit	Graduation Requirement	9-10-11-12	none
Introduction to Business	Intro to Business Intro	.5 credit	Technology or Elective	9-10-11-12	none
Entrepreneurship	Entrepreneurship Intro	.5 credit	Technology or Elective	11-12	none
Macroeconomics	Macro Intro	1 credit	Technology or Elective	11-12	Algebra 1
Honors Accounting	Accounting Intro	1 credit	Technology or Elective	11-12	Algebra 2
Computer Science Courses					
Introduction to Computer Programming 1	Intro to Computer Programming 1	.5 credit	Technology or Elective	9-10-11-12	None
Introduction to Computer Programming 2	Intro to Computer Programming 2	.5 credit	Technology or Elective	9-10-11-12	Intro to CP 1
Exploring Robotics & Artificial Intelligence	Exploring Robotics + Artificial Intelligence	.5 credit	Technology or Elective	9-10-11-12	None
CHS - Intermediate Programming using Java	CHS - Intermediate Programming using Java	1 credit	Elective - Dual Enrollment - Pitt	10-11	Intro to CP 1
CHS - Introduction to Computer Programming with Python	CHS - Introduction to Computer Programming with Python	.5 credit	Elective - Dual Enrollment - Pitt	12	Intro to CP 1
English Courses					
Academic English 9	Academic English 9	1 credit	Graduation Requirement	9	none
Honors English 9	Honors English 9	1 credit	Graduation Requirement	9	8th Grade Recommendation
Integrated (Honors) English 9 & Social Studies	Integrated (Honors) English 9 & Social Studies	2 credits	Grad Req - English, Social Studies	9	none
Academic English 10	Academic English 10	1 credit	Graduation Requirement	10	Academic/Honors English 9
Honors English 10	Frauenholz--Honors English 10	1 credit	Graduation Requirement	10	Honors English 9 and/or Teacher Recommendation
	Pastore - Honors English 10				
Integrated Arts (Honors) English 10, World Affairs & Art	Integrated Arts 10	3 credits	Grad Req - English, Social Studies, Art or Elective	10	Academic English 9 & World Geography/Cultures
Academic English 11	Academic English 11	1 credit	Graduation Requirement	11	Academic/Honors English 10
Honors English 11	Honors English 11	1 credit	Graduation Requirement	11	Honors English 10 and/or Teacher Recommendation

Pitt course: CMPINF 0401
Pitt course: CS 0012

Advanced Placement English Language & Composition	AP Language and Composition 11	1 credit	Graduation Requirement	11	Honors English 10 and Teacher Recommendation
Academic English 12	Ewell-Academic English 12	1 credit	Graduation Requirement	12	Academic/Honors English 11
Advanced Placement English Literature	AP English Literature and Composition	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	Ewell-Creative Writing 1	.5 credit	Art or Elective	9-10-11-12	none
	Pastore - Creative Writing 1				
Creative Writing 2	Ewell-Creative Writing 2	.5 credit	Elective	9-10-11-12	Creative Writing 1 and/or Teacher Recommendation
Introduction to Theater (Drama)	Intro to Theatre	.5 credit	Art or Elective	9-10-11-12	none
Journalism 1	Journalism 1	.5 credit	Art or Technology or Elective	9-10-11-12	none
Journalism 2	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	Findon- Digital Storytelling	.5 credit	Art or Technology or Elective	9-10-11-12	none

Family and Consumer Science Courses

Today's Foods	Foods Americana & Today's Foods & World Foods	.5 credit	Elective	9-10-11-12	none
Gourmet Foods	Gourmet Foods	.5 credit	Elective	10-11-12	none
Foods Americana	Foods Americana & Today's Foods & World Foods	.5 credit	Elective	10-11-12	none
World Foods	Foods Americana & Today's Foods & World Foods	.5 credit	Elective	10-11-12	none
Interior Design	Interior Design	.5 credit	Art or Elective	9-10-11-12	none
Child Development	Child Development	.5 credit	Elective	11-12	none

Mathematics Courses

Algebra 1	Algebra 1, Honors Algebra 1	1 credit	Graduation Requirement	9	none
Honors Algebra 1	Algebra 1, Honors Algebra 1	1 credit	Graduation Requirement	9	Teacher Recommendation
Geometry	Geometry	1 credit	Graduation Requirement	9-10	Algebra 1
Honors Geometry	Honors Geometry	1 credit	Graduation Requirement	9-10	Honors Algebra 1 and/or Teacher Recommendation
Algebra 2	Algebra II	1 credit	Graduation Requirement	10-11	Geometry
Honors Algebra 2	Honors Algebra II	1 credit	Graduation Requirement	10-11	Honors Geometry and/or Teacher Recommendation
Honors Trigonometry & Pre Calculus	Honors Pre-Calc & Trig - Johnson	1 credit	Graduation Requirement or Elective	11-12	Algebra 2
	Honors Pre-Calc & Trig - Jackson				
CHS - Business Calculus	CHS Business Calculus	1 credit	Grad Requirement or Elective - Dual Enrollment Pitt	11-12	Honors Trigonometry & Pre Calculus
Advanced Placement Calculus AB	AP Calculus AB	1 credit	Graduation Requirement or Elective	11-12	Honors Trigonometry & Pre Calculus
Advanced Placement Calculus BC	AP 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	CHS - Probability & Statistics	1 credit	Elective - Dual Enrollment - Pitt	11-12	Algebra 1
Advanced Placement Statistics	Advanced Placement Statistics	1 credit	Elective	11-12	Algebra 1

Pitt Course Code: Stat 0200

Music Courses

Concert Choir		1 credit	Art or Elective	9-10-11-12	none
Concert Band	HS Bands	1 credit	Art or Elective	9-10-11-12	none
Honors Band	HS Bands	1 credit	Art or Elective	10-11-12	Audition
American Popular Music 1: A Reflection of Society 1850-1960's	Pop Music	.5 credit	Art or Elective	9-10-11-12	none
American Popular Music 2: A Reflection of Society 1970's-Present	Pop Music	.5 credit	Art or Elective	9-10-11-12	American Popular Music 1
Music Theory	Music Theory	1 credit	Art or Elective	9-10-11-12	Teacher Recommendation

Physical Education and Health Education Courses

Physical Education 9	Mancuso - PE - 9-12	.5 credit	Graduation Requirement	9	none
Physical Education 10-12	Coffin-PE-9-12	.5 credit	Graduation Requirement	10-11-12	none

Science Courses

Earth & Space Science	Earth and Space Science	1 credit	Graduation Requirement (if not taking Bio in 9th)	9	none
Biology	Biology 9 & 10	1 credit	Graduation Requirement	9-10	none
AP Biology	AP Biology Course Overview	1 credit	Graduation Requirement or Elective	11-12	Biology & Chemistry and Teacher Recommendation
CHS Anatomy and Physiology	CHS A&P Course Overview	1 credit	Grad Require or Elective - Dual Enrollment - Carlow	10-11-12	Biology
The Physical Sciences	The Physical Sciences	1 credit	Graduation Requirement or Elective	10-11-12	Biology
Environmental Science	Environmental Science	.5 credit	Graduation Requirement or Elective	9-10-11-12	none
Humanities Chemistry	Humanities Chemistry	1 credit	Graduation Requirement or Elective	10-11-12	Algebra 1 & Biology
STEM Chemistry	Stem Chemistry	1 credit	Graduation Requirement or Elective	10-11-12	Algebra 1 & Biology
Astronomy 1	Astronomy 1	.5 credit	Graduation Requirement or Elective	9-10-11-12	none
Astronomy 2	Astronomy 2	.5 credit	Graduation Requirement or Elective	10-11-12	Astronomy 1 & Biology

Forensic Science	Forensic Science	.5 credit	Graduation Requirement or Elective	10-11-12	Biology & Chemistry
AP Chemistry	AP Chemistry	1 credit	Graduation Requirement or Elective	11-12	Humanities/STEM Chemistry, Algebra II and Teacher Recommendation
Humanities Physics	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	STEM Physics	1 credit	Graduation Requirement or Elective	11-12-21	Algebra 1 & Biology, Humanities/STEM Chemistry and/or Teacher Recommendation
AP Physics	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)	Scientific Research and Application	.5 credit	Elective	10-11-12	Teacher Recommendation

Social Studies Courses					
World Geography and Cultures	World Geography & Cultures	1 credit	Graduation Requirement	9	none
Honors World Geography and Cultures	Honors World Geography & Cultures	1 credit	Graduation Requirement	9	Teacher recommendation
Integrated (Honors) English 9 & Social Studies	Integrated (Honors) English 9 & Social Studies	2 credits	Grad Req - English, Social Studies	9	8th Grade Recommendation
World Affairs	World Affairs and Honors World Affairs	1 credit	Graduation Requirement	10	None
Honors World Affairs	World Affairs and Honors World Affairs	1 credit	Graduation Requirement	10	Honors World Geography/Cultures and/or Teacher Recommendation
Integrated Arts (Honors) English 10, World Affairs & Art	Integrated Arts 10	3 credits	Grad Req - English, Social Studies, Art or Elective	10	Academic English 9 & World Geography/Cultures
United States History	Academic U.S. History	1 credit	Graduation Requirement	11	None
Honors United States History	Honors US History	1 credit	Graduation Requirement	11	Honors World Affairs and/or Teacher Recommendation
Advanced Placement History	AP US History	1 credit	Graduation Requirement	11	Honors World Affairs and Teacher Recommendation
Problems of Democracy (POD)	Problems of Democracy	1 credit	Graduation Requirement	12	None
CHS - American Politics / AP Government	American Politics	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	Psychology	.5 credit	Elective	10-11-12	none
Race, Class & Gender: Intro to Sociology	Race, Class, Gender, and Society	.5 credit	Elective	10-11-12	none
Modern Dilemmas	Modern Dilemmas	.5 credit	Elective	10-11-12	Maturity and Teacher Recommendation
Service Learning	Service Learning	.5 credit	Elective	10-11-12	none
American Conflicts	American Conflicts	.5 credit	Elective	9-10-11-12	none
Conspiracy Theories	Conspiracy Theory	.5 credit	Elective	10-11-12	none
Genocide Studies: The Holocaust	Genocide Studies: The Holocaust	.5 credit	Elective	11-12	Maturity for Subject Matter

Technology Education/Engineering Courses					
CHS - Introduction to Engineering Design (PLTW)	IED	1 credit	Tech or Elective - Dual Enrollment - RIT	10-11-12	Algebra 1
CHS - Computer Integrated Manufacturing (PLTW)	CIM	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

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

General Electives					
9th Grade Seminar	9th Grade Seminar	.5 credit	Graduation Requirement	9	none

Research Seminar (Student Designed)	Research Seminar	.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

Please contact the school counseling office if you have any questions at 412.847.0940, or email Mr. Como at comod@avonworth.k12.pa.us, Mrs. Levis at nlevis@avonworth.k12.pa.us or Mr. Pellicano at apellicano@avonworth.k12.pa.us.