



AVON HIGH SCHOOL



2024-2025

Course Selection Guide

GRADE 9

CLASS OF 2028

To see all courses offered at Avon High School and to learn more about academic information and policies, [click here for a link to the AHS Program of Studies.](#)

AVON HIGH SCHOOL 2024-2025 COURSES AVAILABLE TO GRADE 9

REQUIRED:

ENGLISH

1703 1704 English 9
1705T 1706T English 9 Honors
1703E 1704E ENL English 9
1701T Language Arts Lab*

MATH

0711 0712 Algebra I Lab*
0733 0734 Algebra I
0741 0742 Geometry Honors
0743T 0744T Geometry ACE
0738 0739 College Algebra II ACE

SOCIAL STUDIES

1000 1001 Geography/History of the World
1002T 1003T Geography/History of the World Honors

SCIENCE

0921 0922 Biology I
0913T 0914T Biology I Honors
0951 0952 Chemistry I
0945 0946 Chemistry I Honors
0957 0958 Physics I Honors

BUSINESS

5394 Preparing for College and Careers

MUST BE COMPLETED BY END OF GRADE 10 (in person at AHS, with a PE Waiver (see page 13), or through Indiana online):

1122 Physical Education I
1123 Physical Education II
1101 Health

*By teacher recommendation only; noted on Course Selection Form

GRADE 9 ELECTIVES:

BROADCASTING EDUCATION

7139F 7139S Principles of Broadcasting

BUSINESS EDUCATION

4562F 4562S Principles of Business Management
4803 Introduction to Computer Science
0247 Digital Applications and Responsibility I

ENGINEERING & TECHNOLOGY EDUCATION

4802FD 4802SD IVY Design 102/111 PLTW Intro to Engineering Design
7130F 7130S Principles of Construction Trades
1633 Computers in Design & Production

ENGLISH

1785 Journalism

FAMILY & CONSUMER SCIENCES

0501 Interpersonal Relationships
0521 Nutrition & Wellness

PERFORMING ARTS

0809 0810 Beg. Instr. Music: Black & Gold Band
0874 0875 Adv. Instr. Ensemble: Percussion
0881 0882 Beg Instr. Music: Concert Orchestra
0821 0822 Beginning Male Choir – Oriole Choir
0813 0814 Beginning Treble Choir – Black & Gold
0852 Dance Choreography I
0853 Dance Choreography II
0859 0863 Advanced Dance Technique
0811 0812 Dance Performance: Color Guard
1761 Theatre Arts
0860 Piano & Elec. Keyboard I
0861 Piano & Elec. Keyboard II
0830 Music Theory & Comp. I
0820 Music History and Appreciation

GRADE 9 ELECTIVES cont'd:

PE/HEALTH

1197 1198 Strength and Speed
1107 Lifeguard Training

SCIENCE

5218F 5218S PLTW: Principles of Biomedical Sciences

VISUAL ARTS

0111 Intro to 2-D Art
0135 Advanced 2-D Art
0110 Intro to 3-D Art
0123 Drawing I
0120 Digital Design
0148 Visual Communication I

WORLD LANGUAGE

0411 0412 French Lev I*
0421 0422 German Lev I*
0461 0462 Japanese Lev I*
0463 0464 Japanese Lev II
0431 0432 Spanish Lev I*
0433 0434 Spanish Lev II

OTHER ELECTIVES

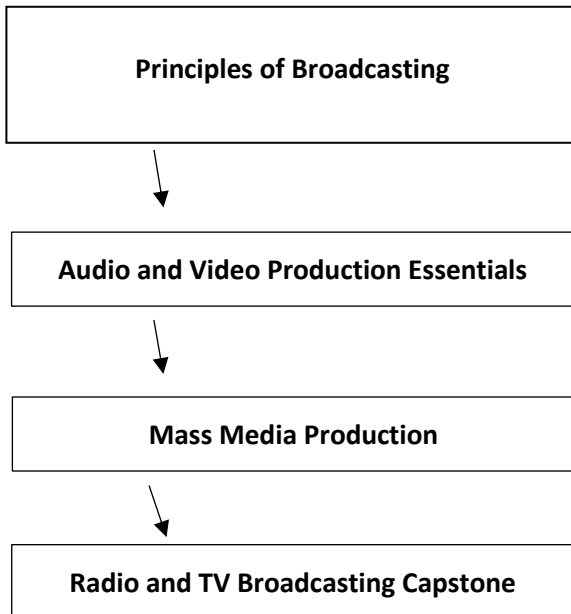
1601 1602 Study Hall
1780 Library Media (application required)

BROADCASTING COURSES/AVON TV PROGRAM

Extra Curriculars Available:

- Student Television Network Club (STN)
- Avon Action Club – sports broadcasting
- Animation Club
- The live Oriole Report announcements
- Lettering based on point system

+ Avon TV is a member of IASB and STN, giving students the opportunity to join an honors society and participate in the state contest.



Career Pathways/Program of Study – Class of 2028				
Pathway/Program of Study	Example careers	Principles Course	Concentrator Course A	Concentrator Course B
Radio & Television Broadcasting	TV/news producer	Principles of Broadcasting	Audio & Video Production Essentials	Mass Media Production

PRINCIPLES OF BROADCASTING (7139F-7139S)

Radio & Television Broadcasting Pathway 1 of 3

Core 40, AHD, THD Elective

Credits: 2 semester course, 2 semesters required

Prerequisite: None

Grades: 9, 10, 11, 12

The purpose of the *Principles of Broadcasting* course is to provide entry-level fundamental skills for students who wish to seek or pursue opportunities in the field of broadcasting or mass media. Students will explore the technical aspects of audio and sound design for radio production and distribution, as well as the technical aspects of video production and distribution.

BUSINESS COURSES

Preparing for College and Careers (Who am I? Where am I Going? How Do I Get There?)

All freshmen take this course for a graduation requirement

TECH/IT COURSE OFFERINGS

Digital Applications and Responsibility (1 semester, 9-12)

Introduction to Computer Science (1 semester, 9-12)

AP Computer Science Principles (2 semesters, 10-12)

AP Computer Science (2 semesters, 11-12)

GENERAL BUSINESS OFFERINGS

Principles of Business Management (2 semesters, 9-12)

Accounting Fundamentals (2 semesters, 10-12)

Marketing Fundamentals (2 semesters, 10-12)

Marketing Fundamentals: Ozone (2 semesters, 10-12)

Principles of Business Operations & Technology: Ozone (2 semesters, 11-12)

Strategic Marketing (2 semesters, 11-12)

Business Law: Management Fundamentals (2 semesters, 10-12)

Personal Financial Responsibility (1 semester, 10-12)

UIND Educ 100 Expl Ed/Principles of Teaching (Dual Credit/Non-Cadet Teaching: 2 semesters, 10-12)

Principles of Teaching (Cadet Teaching: 2 semesters, 12 *Application Required)

Child and Adolescent Development (Cadet Teaching: 2 semesters, 12 *Application Required)

Teaching and Learning (Cadet Teaching: 2 semesters, 12 *Application Required)

CAPSTONE COURSES

Work Based Learning (Internship, 1-2 semesters, 12)*

*Courses can be repeated for credit

Department Chair: Mr. Christopher Hill

Career Pathways/Programs of Study – Cohorts: Class of 2028				
Pathway/Program of Study	Example careers	Principles Course	Concentrator Course A	Concentrator Course B
Education Careers	Teacher	Principles of Teaching+	Child and Adolescent Development (Cadet Teaching)	Teaching and Learning (Cadet Teaching)
Business Administration	Business Manager	Principles of Business Management+	Marketing Fundamentals	Accounting Fundamentals or Strategic Marketing
Business Administration	Business Manager	Principles of Business Management+	Management Fundamentals: Business Law	Accounting Fundamentals

+Also part of the Civic Arts Local Pathways

PREPARING FOR COLLEGE AND CAREERS (5394)

THIS COURSE IS REQUIRED FOR GRADUATION

One semester—1 credit

Grade Level: 9

Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today’s choices on tomorrow’s possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project-based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real-life experiences, is recommended.

PRINCIPLES OF BUSINESS MANAGEMENT (4562F-4562S)

Business Administration Pathway Course 1 of 3

Marketing and Sales Pathway Course 1 of 3

Civic Arts Local Pathway Course 2 of 3

Core 40, AHD, THD, Elective

Grade Level: 9-12

Two semesters—2 credits

Principles of Business Management introduces students to the world of business, marketing and entrepreneurship including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and international scale. The course further develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments.

INTRODUCTION TO COMPUTER SCIENCE (4803)

One semester – 1 credit

Prerequisite: None

Credits: 1 semester course

Grade Level: 9, 10, 11, 12

Introduction to Computer Science allows students to explore the world of computer science. Students will gain a broad understanding of the areas composing computer science. Additionally, there is a focus on the areas of computer programming, gaming/mobile development, and artificial intelligence/robotics.

DIGITAL APPLICATIONS AND RESPONSIBILITY I (0247)

DOE Course Number: 4528

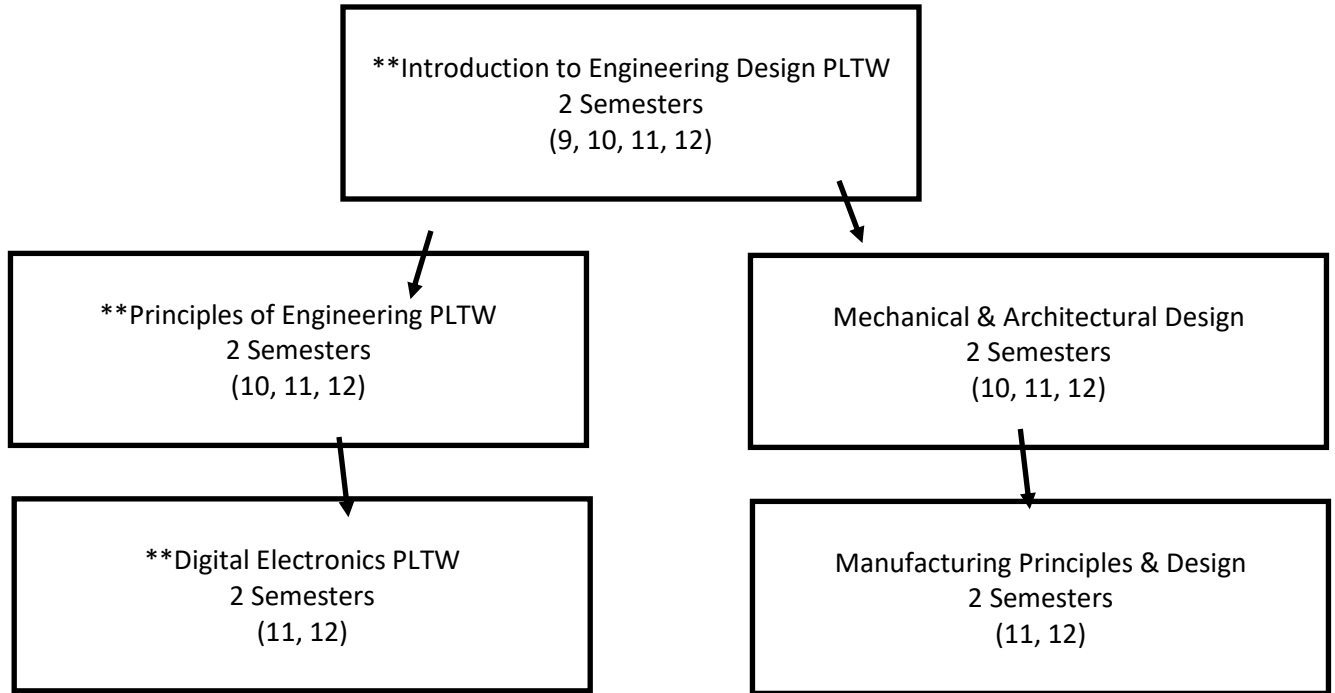
One semester—1 credit

Core 40, AHD, THD, Elective

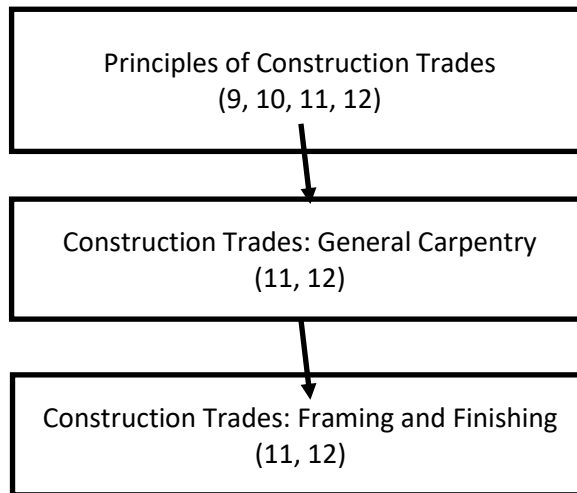
Grade Level: 9, 10, 11, 12

Gaming requires you to use the digital world. Learning computer software will put you in the lead of the digital world. Get the skills you need to accelerate your future to include word processing, spreadsheet, and database software. Learn how to give effective presentations with technology and to communicate digitally with the world. Students will build skills to learn skills.

ENGINEERING COURSES



**Dual Credit Course



ENGINEERING AND TECHNOLOGY EDUCATION COURSE OFFERINGS



Career Pathways/Programs of Study – Cohorts: Class of 2028				
Pathway/Program of Study	Example careers	Principles Course	Concentrator Course A	Concentrator Course B
Engineering	Engineer	Introduction to Engineering Design	Principles of Engineering	Digital Electronics
Engineering Design Technology	Engineer	Introduction to Engineering Design	Mechanical & Architectural Design	Manufacturing Principles & Design
Construction Trades Carpentry	Construction Worker	Principles of Construction Trades	Construction Trades: General Carpentry	Construction Trades: Framing and Finishing

IVY DESIGN 102/IVY DESIGN 111 PLTW INTRODUCTION TO ENGINEERING DESIGN (4802FD-4802SD)

Engineering Pathway Course 1 of 3

Design Technology Pathway Course 1 of 3

Core 40 directed elective as part of a technical career area or an AHD elective

Two Semesters—1 high school credit per semester/6 Ivy Tech credits for the year-long course at no cost

Prerequisite: Interest in Engineering and Algebra I (may be taken concurrently with Algebra I)

Grade Levels: 9, 10, 11, 12

Autodesk Inventor Certification opportunity with a qualifying score on end-of-year exam

Introduction to Engineering Design is the first of a series of courses for the program **Project Lead the Way**. It is a college preparation course as part of a pre-engineering program. Students are also expected to complete a college preparatory sequence of courses in mathematics. Introduction to Engineering Design is an introductory course which develops student problem solving skills with emphasis placed on the development of three-dimensional solid models. Students will work from sketching simple geometric shapes to applying a solid modeling computer software package, Autodesk Inventor. Students will utilize state of the art machinery to bring to their designs to life, including operating a 3-D printer and laser cutter/engraver. Students who complete this course, and pass the corresponding exam, will receive Inventor Certification.

PRINCIPLES OF CONSTRUCTION TRADES (7130F-7130S)

Building Trades Pathway Course 1 of 3

Core 40, AHD, THD Elective

Grade Levels: 9, 10, 11, 12

Credits: 2 semester course, 2 semesters required

Principles of Construction Trades prepares students with the basic skills needed to continue in a construction trade field. Topics will include an introduction to the types and uses for common hand and power tools, learn the types and basic terminology associated with construction drawings, and basic safety. Additionally students will study the roles of individuals and companies within the construction industry and reinforce mathematical and communication skills necessary to be successful in the construction field.

COMPUTERS IN DESIGN AND PRODUCTION (1633)

DOE Course Number: 4800

Prerequisite: None

Core 40 directed elective as part of a technical career area. Grade Levels: 9, 10, 11, 12

One Semester—1 credit

Computers in Design and Production is a specialized course that explores technological processes and employs creative problem solving in developing, engineering, testing, and communicating designs for products, structures, and systems. Classroom activities help students to understand the steps used to move an idea from a designer’s mind into a specified artifact, process, or system. Students will participate in design activities and labs using critical thinking skills that require them to: identify problems; generate alternative solutions; select and refine the most plausible solution; develop specifications for the solution; model and test the solution; and present the final solution for approval. Various design software programs will be used to develop ideas and create products using 3D modeling, 3D printing, and laser engraving/cutting. Various other tools and machines will be used to complete a series of research and production labs.

ENGLISH COURSES

This chart is a suggested course of study. All final decisions should be made with the student's guidance counselor.

	HONORS/AP	CORE 40	Available Electives at each grade level
<i>NINTH GRADE</i>	ENGLISH 9 HONORS	ENGLISH 9	JOURNALISM
<i>TENTH GRADE</i>	ENGLISH 10 HONORS	ENGLISH 10	JOURNALISM ETYMOLOGY SPEECH DEBATE PUBLICATIONS: YEARBOOK/NEWSPAPER
<i>ELEVENTH GRADE</i>	AP LANGUAGE	ENGLISH 11	JOURNALISM ETYMOLOGY CREATIVE WRITING DRAMATIC LITERATURE FILM LITERATURE SPEECH DEBATE IU COMM-S121 COMMUNICATIONS PUBLICATIONS: YEARBOOK/NEWSPAPER
<i>TWELFTH GRADE</i>	<i>CHOOSE ONE:</i> AP LITERATURE VU ENGLISH 101 and VU LITERATURE 100	<i>CHOOSE ONE:</i> ENGLISH 12 VU ENGLISH 101 and VU LITERATURE 100	JOURNALISM ETYMOLOGY CREATIVE WRITING DRAMATIC LITERATURE FILM LITERATURE SPEECH DEBATE IU COMM-S121 COMMUNICATIONS PUBLICATIONS: YEARBOOK/NEWSPAPER

Department Chair: Mrs. Heather Meunier

ENGLISH 9 (1703–1704)

Core 40 and AHD Course

Grade: 9

Two semesters—1 credit per semester

Prerequisites: None

English 9 offers an integrated study of literature, composition, and oral communications. Students write for various audiences and purposes while strengthening skills in paragraph and multi-paragraph writing. Writing assignments encompass multiple types of writing including expository essays, persuasive essays, literary analysis, and technical writing assignments. The formal study of grammar, usage, spelling, and language mechanics is integrated into this study of writing. Structured vocabulary assignments provide opportunities for students to increase their fluency in both reading and writing. Students will practice their oral skills by delivering presentations and being critical participants and listeners. Student reading selections will include short stories, novels, plays, poems, and nonfiction. In addition to selections in their textbook, representative longer works include *Romeo and Juliet* and *The Odyssey*.

ENGLISH 9 HONORS (1705T-1706T)

Core 40 and AHD Course

Grade: 9

Two semesters—1 credit per semester

Prerequisites: Qualifying scores on various school administered assessment tests

The *English 9 Honors* course is for students who have been identified by the selection process used by the Avon School Corporation for identifying gifted and talented students and/or for those who have demonstrated exceptional ability and interest in the study of English. A key part of the selection process includes recent NWEA and ILEARN scores as well as evidence of achievement in previous English classes. While the minimum standards and works covered remain the same for *English 9* and *Honors English 9*, there are differences in depth, speed, and methodology between the sections. These differences are also reflected in the class structure, amount of independent work required, assignments, and texts used. Students who enroll in the Honors Sections of English should be aware that they are preparing to take Advanced Placement English in their junior year.

This course offers an integrated study of literature, composition, and oral communications. Students write for various audiences and purposes while strengthening skills in paragraph and multi-paragraph writing. Writing assignments encompass multiple types of writing including expository essays, persuasive essays, literary analysis, and technical writing assignments. The formal study of grammar, usage, spelling, and language mechanics is integrated into this study of writing. Structured vocabulary assignments provide opportunities for students to increase their fluency in both reading and writing. Students will practice their oral skills by delivering presentations and being critical participants and listeners. Students read short stories, novels, plays, poems, and nonfiction. In addition to various reading texts, representative longer works include *Romeo and Juliet*, *Flawed*, and *The Odyssey*.

JOURNALISM (1785)

One semester—1 credit

Grades: 9, 10, 11, 12

Prerequisites: None

This course does not fulfill the English credit requirement for graduation.

Journalism is the study of reporting and the journalistic profession. This course includes the process involved in 1) news gathering; 2) reporting and writing news stories; 3) the legal and social responsibilities involved in newspaper publications; and 4) the ethics of accurate and fair reporting. This course includes extensive reading of models of excellent journalistic techniques and evaluating and analyzing journalistic writing through discussions and critiques. The course will acquaint the student with the basics of producing a high school newspaper and yearbooks. It will concentrate on the print media including copy writing and editing, layout design, production processes, and the media's effect upon society and the individual. The course is strongly recommended for students who wish to enroll in any student publications class in their later high school study.

FAMILY AND CONSUMER SCIENCES COURSES

This chart is a suggested course of study. All final decisions should be made with the student's guidance counselor.

Choose for the following courses per grade level:

Grade 9	Interpersonal Relationships^ Nutrition and Wellness^
Grade 10	Principles of Human Services Understanding Diversity* Relationships and Emotions* Interpersonal Relationships^ Nutrition and Wellness^ Advanced Nutrition and Foods I * Advanced Nutrition and Foods II * Child Development^ Advanced Child Development * Housing and Interior Design I^^ Housing and Interior Design II*^^
Grade 11	Principles of Human Services Understanding Diversity* Relationships and Emotions* Interpersonal Relationships^ Adult Roles and Responsibilities^ Nutrition and Wellness^ Advanced Nutrition and Foods I * Advanced Nutrition and Foods II * Child Development^ Advanced Child Development * Housing and Interior Design I^^ Housing and Interior Design II*^^
Grade 12	Understanding Diversity Relationships and Emotions* Interpersonal Relationships^ Adult Roles and Responsibilities^ Nutrition and Wellness^ Advanced Nutrition and Foods I * Advanced Nutrition and Foods II * Child Development ^ Advanced Child Development * Housing and Interior Design I^^ Housing and Interior Design II*^^

*Prerequisite required

^Note: This course is one of six FACS courses from which students may choose to fulfill the required Health and Safety credit as per state rule 511 IAC 6-7-6 (6).)

^^Note: Can be used to fulfill required Fine Arts Credit (as of 2016)

Department Chair: Ms. Jamie Gleissner

Career Pathways/Programs of Study – Class of 2028				
Pathway/Program of Study	Example careers	Principles Course	Concentrator Course A	Concentrator Course B
Human and Social Services	Social Worker	Principles of Human Services	Understanding Diversity	Relationships & Emotions

INTERPERSONAL RELATIONSHIPS (0501)

DOE Course Number: 5364 Prerequisites: None
 Core 40 directed elective as part of a technical career area Grades: 9, 10, 11, 12
 One Semester—1 credit
 Qualifies as one of the six FACS courses a student can take to waive the Health & Wellness graduation requirement.

Interpersonal Relationships addresses the knowledge, skills, and behaviors all students need to participate in positive, caring, and respectful relationships in the family, at school, and in the workplace. Topics include components of healthy relationships, functions and expectations of various relationships; ethics in relationships; factors that impact relationships (e.g., power, conflicting interests, peer pressure,); establishing and maintaining relationships; building self-esteem and self-image; communications styles; techniques for effective communication, leadership and teamwork; individual and group goal setting and decision making; preventing and managing stress and conflict; addressing violence and abuse.

NUTRITION AND WELLNESS (0521)

DOE Course Number: 5342 Prerequisites: None
 One Semester—1 credit Grades: 9, 10, 11, 12
 Core 40 directed elective as part of a technical career area: Hospitality and Human Services
 Qualifies as one of the six FACS courses a student can take to waive the Health & Wellness graduation requirement.

Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers related to nutrition, food, and wellness. This is a nutrition class that introduces students to the basics of food preparation so they can become self-sufficient in accessing healthy and nutritious foods. This course offers hands on laboratory experience. This lab experience will allow students the opportunity to assist in the preparation of recipes that contain food from all areas of My Plate, such as, but not limited to, eggs, meat, dairy, grains, fruits, and vegetables. Major course topics include nutrition principles and applications; influences on nutrition and wellness; food preparation and sanitation; etiquette; science, technology, and careers in nutrition and wellness. This class is the first in a tier of 4 classes. It is a prerequisite for Advance Nutrition and Wellness 1, 2 and Intro to Culinary Arts. *If taken along with Child Development and Interpersonal Relationships, it can replace the Health and Safety course.

MATHEMATICS COURSES

This chart is a suggested course of study. All final decisions should be discussed with the student's guidance counselor.

	ACE/AP		Honors/AP	CORE 40	Electives Available at each grade level (all have prerequisites)
	Algebra I in 7 th grade	Algebra I in 8 th grade			
9th	COLLEGE ALGEBRA II ACE	GEOMETRY ACE	GEOMETRY HONORS	ALGEBRA I	
10th	Trigonometry ACE (only in spring semester, another math elective such as AP Statistics may be taken)	COLLEGE ALGEBRA II ACE	ALGEBRA II HONORS	GEOMETRY	
11th	AP CALCULUS AB ACE	TRIGONOMETRY ACE and AP CALCULUS AB ACE	PRECALCULUS/TRIG HONORS: VU MATH 102/104	ALGEBRA II	FINITE MATH: VU MATH 111 PROBABILITY & STATISTICS AP STATISTICS
12th	AP CALCULUS BC ACE	AP CALCULUS BC ACE	AP CALCULUS AB	PRECALCULUS/TRIG: VU MATH 102/104 FINITE MATH PROBABILITY & STATISTICS	FINITE MATH: VU MATH 111 PROBABILITY & STATISTICS AP STATISTICS CCR BRIDGE: MATH READY

Department Chair: Ms. Andrea Austin

All students enrolled in any math course at Avon High School are expected to have a scientific calculator. (Business or statistical calculators are not recommended). In addition to the standard scientific functions, the calculator should have the capability to handle fractions, nth root, permutations (nPr button), and combinations (nCr button). Any model equivalent to the calculators in the Texas Instrument TI-30X series will suffice.

A passing grade in the first semester of all math courses (except Finite Math) is required to continue into the second semester of the course.

ALGEBRA I LAB (0711-0712)

Two semesters—1 credit per semester

Grade: 9

Prerequisites: Students are placed based upon past performance and standardized test scores

Algebra I Lab is a mathematics support course designed to prepare students to be successful in Algebra I. The materials in this class are paired to match the content being taught in the algebra classroom. These topics include working with expressions, analyzing and solving linear equations and inequalities, data analysis, probability, statistics, polynomial, and quadratics. The course will provide review and re-teaching of the Algebra I standards and provide any needed remediation of foundational middle grade standards.

ALGEBRA I (0733-0734)

Core 40 and AHD course
Two semesters—1 credit per semester

Prerequisite: None
Grades: 9, 10, 11, 12

Algebra I is designed to emphasize the study of multiple representations of linear and non-linear functions. It includes mathematical concepts for working with rational numbers, various expressions, analyzing and solving linear equations & inequalities, data analysis, probability, statistics, polynomials, and quadratics. Students will use hands-on materials and calculators when needed in solving problems where the algebra concepts are applied.

GEOMETRY HONORS (0741-0742)

Core 40 and AHD course
Two semesters—1 credit per semester

Prerequisites: Algebra I with at least a B-
Grades: 9, 10

Geometry Honors provides experiences that deepen the understanding of shapes and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric figures include the study of angles, lines, planes, congruent and similar triangles, trigonometric ratios, polygons, circles, and spatial drawings. An understanding of proof and logic is developed. An emphasis will be placed on the theory as well as the practice of geometry.

GEOMETRY (ACE) (0743T-0744T)

Core 40 and AHD course
Two semesters—1 credit per semester

Prerequisites: Algebra I and acceptance into the ACE program
Grade: 9

Geometry ACE provides experiences that deepen the understanding of shapes and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric figures include the study of angles, lines, planes, congruent and similar triangles, trigonometric ratios, polygons, circles, and spatial drawings. An understanding of proof and logic is developed. The class is designed to provide enrichment and stimulation to the students enrolled.

COLLEGE ALGEBRA II ACE (0738-0739)

Core 40 and AHD course
Two semesters—1 credit per semester

Grades 9, 10

Prerequisites: Algebra I, Geometry ACE or Honors, and acceptance into the ACE program

College Algebra II is a course that expands on the topics of Algebra I and provides the in-depth development of the topics needed to be successful in the study of calculus. The expanded topics of the course include: the theorems and algorithms of algebra, polynomials and polynomial functions, rational exponents, complex numbers, sequences and series, conic sections, permutations and combinations, matrices, and exponential and logarithmic functions. The class is designed to provide enrichment and stimulation to the students enrolled.

MULTILINGUAL LEARNER COURSES

NEWCOMER ACADEMY (1746N/1701E-1747N/1702E)

Two semesters – 2 credits per semester

Grades: 9, 10, 11, 12

Prerequisite: Must be a Multilingual Learner Newcomer as identified by WIDA ACCESS 2.0 scores or WIDA Screener scores of 2.5 or below

The *Newcomer Academy* is designed to provide students who have been identified as Newcomer Multilingual Learners the opportunity to develop their English language proficiency through content-based language instruction. Student selection for this program is based on student need, as demonstrated in the WIDA proficiency assessment results. The Newcomer Academy focuses on developing students' academic language – the vocabulary and writing skills necessary to succeed in an English-speaking educational environment. Students will learn English grammar, sentence and paragraph structure, and vocabulary related to academic content in various subject areas. Learning opportunities and activities address each domain of language learning, including listening, reading, speaking, and writing.

ENL ACADEMIC COACHING (0703-0704)

One semester – 1 credit

Grades: 9, 10, 11, 12

Prerequisite: Must be a Multilingual Learner as identified by WIDA ACCESS 2.0 scores or WIDA Screener scores

This class has a focus on helping students develop academic goals, build growth mindsets, practice time and stress management, enhance organization, reinforce study skills, and complete guided study time to complete tasks that require a small group or one-on-one instruction. Students are expected to complete tasks that focus on listening, reading, writing, and speaking in conjunction with WIDA state standards. This course is appropriate for students in the Multilingual Learner program.

ENL MATH LAB (0701E-0702E)

Two semesters – 1 credit per semester

Grades: 9, 10, 11, 12

Prerequisite: Must be a Multilingual Learner as identified by WIDA ACCESS 2.0 scores or WIDA Screener scores

This class focuses on a joint effort between students and educators to create a common place where students can clarify, correct, and challenge their understanding of math. Students ENL Math Lab are identified as having deficits in their current math skills. This class helps students better understand the basic skills needed to be successful in Algebra, Geometry or Algebra 2. We focus on math vocabulary, addition, subtraction, division, multiplication, key words in word problems, graphing, and solving expressions and equations. This course is appropriate for students in the Multilingual Learner program and requires a teacher recommendation.

ENL ENG 9 (1703E-1704E)

Core 40 Course (These courses may count for up to 4 credits for the English credit requirement for graduation.)

Prerequisites: Students must qualify for ENL support as dictated by the state of Indiana

Two semesters—1 credit per semester

Grade: 9

Sheltered courses are adapted content courses that are for ENL students only. This course integrates the study of literature with instruction in the writing process. Students will explore the ideas and issues of literature while improving their writing, speaking, listening, thinking, and language skills. Materials may include, but are not limited to poetry, prose, fiction, and non-fiction. Students will have access to similar material presented in general English classes, but in a smaller class with a specialized teacher.

ENGLISH AS A NEW LANGUAGE (1746-1747)

Elective Course/Core 40 (This course does not count for the English credit requirement for graduation.)

Prerequisites: Students must qualify for ENL support as dictated by the state of Indiana

Two semesters—1 credit per semester

Grades: 9, 10, 11, 12

This course is designed specifically for Multilingual Learners who test at a Level 2, 3, or 4 on the WIDA ACCESS 2.0 language proficiency test, or the WIDA Screener. While these students have shown progress in English language acquisition, there are noticeable deficits in their levels of fluency and ability to master the four language domains: listening, speaking, reading, and writing. This class will reinforce those skills in order to allow students to demonstrate progress in their language acquisition process.

PERFORMING ARTS COURSES

Instrumental, Vocal, Dance and Theatre Sequencing

Incoming Freshmen - Suggested Course of Study - Choose from the following:

Instrumental Music	Vocal Music	Dance	Percussion	Theatre
Instrumental Music Orchestra - Beginning, Intermediate or Advanced (Director Placement)	Beginning Male Choir	Dance Choreography I	Marchers - Semester 1	Theatre Arts
Beginning Concert Music Band Beginning, Intermediate or Advanced (Director Placement)	Beginning Treble Choir	Dance Choreography II	Advanced Concert Music	
Band Elective*:	Vocal Jazz - Attraction	Dance Choreography III Dance Performance Avon Gold Dance Team		
Intermediate Concert Music – Brass		Adv. Dance Technique		
Intermediate Concert Music – Woodwinds				

Grades 10, 11, and 12 - Suggested Course of Study - Choose from the following:

Instrumental Music	Vocal Music	Dance	Percussion	Theatre
Instrumental Music Orchestra - Beginning, Intermediate or Advanced (Director Placement)	Intermediate Chorus Women's	Dance Choreography I	Marchers - Semester 1	Technical Theatre
Intermediate Concert Music Band - Beginning, Intermediate or Advanced (Director Placement)	Advanced Treble Choir	Dance Choreography II	Advanced Concert Music	Theatre Arts
Chamber Orchestra Ensemble**	Vocal Advanced Jazz/Show Choir [Accents]	Dance Choreography III	Percussion	Advanced Theatre Arts
Band Elective*:	Vocal Jazz - Attraction	Dance Performance Avon Gold Dance Team	Marchers - Semester 2	Advanced Acting
Intermediate Concert Music – Brass		Adv. Dance Technique	Intermediate Concert Music	Theatre Production
Intermediate Concert Music – Woodwinds			Percussion "A" Drumline	Theatre Arts History
Advanced Concert Music – Brass			Advanced Concert Music	
Advanced Concert Music – Woodwinds			Percussion "World" Drumline	

**Elective course which requires co-enrollment in Symphony, Philharmonic, or Intermezzo Orchestra

*Elective courses require co-enrollment in a concert band

Department Chair: Mr. Dean Westman

Other Courses
AP Music Theory
Music History and Appreciation
Music Theory and Composition I

Avon High School is pleased to offer a state-approved pathway in Civic Arts. The Civic Arts pathway is earned through successful completion of required coursework **AND** community-based experiences including internships and community service that demonstrate employability skills. An e-portfolio documents the completion of all elements of the Civic Arts pathway. Students interested in the Civic Arts pathway should work closely with their counselor.

Civic Arts Local Pathways – Class of 2028				
Civic Arts Pathway	Example Careers	Required Coursework I	Required Coursework II	Required Coursework III
Band	Band Teacher/ Band Director	Gold Band OR Jazz Band	Principles of Teaching OR Principles of Business Management	Concert Band OR Symphonic Band
Choir	Choir Teacher/ Choir Director	Black & Gold Choir OR Oriole Choir	Principles of Teaching OR Principles of Business Management	Symphonic Choir OR Attraction OR Accents OR Allegros
Orchestra	Orchestra Teacher/ Orchestra Director	Concert Orchestra OR Intermezzo Orchestra	Principles of Teaching OR Principles of Business Management	Philharmonic Orchestra OR Symphony Orchestra
Theater	Theatre Director/ Producer	Theatre Arts AND Technical Theatre	Principles of Teaching OR Principles of Business Management	Theatre Production AND Advanced Theatre Arts
Dance	Dance Teacher/ Dance Business Owner	Dance Choreography I AND Dance Choreography II AND Dance Choreography III	Principles of Teaching OR Principles of Business Management	Dance Company OR Advanced Dance Technique

INSTRUMENTAL MUSIC COURSES

Grades: 9, 10, 11, 12
Core 40 and AHD course
Successive semesters must be taken

One Semester—1 credit
Prerequisites: Middle School Band and Orchestra and Auditions

Students taking these courses are provided with a balanced comprehensive study of instrumental ensemble and solo literature. Time outside of the school day may be scheduled for dress rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities, outside of the school day that support and extend learning in the classroom.

Choose from the following INSTRUMENTALS:

BEGINNING INSTRUMENTAL MUSIC - BLACK AND GOLD BAND (0809-0810)

Grade: 9, 10, 11, 12
This is the required yearlong Band Class for all 9th Grade Brass and Woodwind Players. This band includes all non-marchers first semester of any grade level. **Audition Only.**

ADVANCED INSTRUMENTAL MUSIC – PERCUSSION (0874)

This class is for fall Marching Band percussion students. 1st semester. **Audition Only.**

BEGINNING INSTRUMENTAL MUSIC – CONCERT ORCHESTRA (0881-0882)

Grades: 9, 10, 11, 12
This is a required yearlong Orchestra Class for String Players. **Audition Only.**



VOCAL MUSIC COURSES

Grades: 9, 10, 11, 12
Core 40 and AHD course
Successive semesters must be taken

One semester—1 credit
Prerequisites: None

Students enrolled in choir develop a balanced and comprehensive musicianship, as well as specific vocal and performance skills. Choir provides instruction in vocal development, performing, listening, and analyzing music. Students must participate in performance opportunities, outside of the school day, that support and extend learning in the classroom. Most choirs must be taken for successive semesters. The Level III classes require more outside time than the Level I and Level II classes.

Choose from the following VOCAL MUSIC courses:

Choral Music Level 1:

BEGINNING MALE CHOIR - ORIOLE CHOIR (0821-0822)

Grade: 9

All incoming 9th grade males should enroll in this class if not selected for a level 3 choir. Other males might be enrolled in this class at the director's discretion. A small fee is required. Fundraising opportunities are available.

BEGINNING TREBLE CHOIR – BLACK AND GOLD (0813-0814)

Grade: 9, 10, 11, 12

All incoming 9th grade girls should enroll in this class if not selected for Vocal Jazz - female. Other females might be enrolled in this class at the director's discretion. A small fee is required. Fundraising opportunities are available.



DANCE COURSES

The following credited Dance courses are not associated with the non-credited, extra-curricular activity, Avon Dance Team.

Dance classes may be taken multiple times.

Learning activities in choreography are sequential and systematic and allow students to express themselves. A wide variety of materials and experiences are used in order to provide students with the knowledge, skills, and appreciation of the multi-styled and multicultural dance expressions. Activities are designed to develop students' ability to:

- translate ideas, images, emotions, perceptions, and personal experiences into movement
- improvise, using immediate and spontaneous responses:
- experiment and apply concrete and abstract concepts;
- produce a concept and design using a selection of style, content, and accompaniment;
- understand musical phrasing, rhythmic structures, meters, and musical application within choreography;
- research production and technical skills required for an actual performance; make interpretive decisions; and
- create and include accompaniment rehearsals, costume and props, and set and lighting design
- identify ways that dance reflects, records, and influences history
- identify patterns, relationships, and trends dance plays in at least two different cultures and discuss how aesthetic judgments vary between them
- research the origins of and the universal themes of dance

Using a modern dance-based approach, Dance courses explore movement as a creative art form. Student learning includes opportunities to develop kinesthetic awareness, proper body alignment, physical strength, flexibility, endurance, and care of the

dance instrument while exploring improvisational and expressive movement and basic modern dance technique. Dance elements and basic principles of composition are studied and practiced. Through dance ensemble work, students use creative and critical thinking skills to create and communicate meaning through dance movement. Students experience the role of both choreographer and dancer and have opportunities to present their work. Through the study of dance in various cultures and historical periods, students broaden their understanding of dance as an art form. Students will explore a variety of career opportunities in dance as well as connections with other art forms and subject areas. Students will create a portfolio which contains written and/or visual examples of their work. Choreographic activities provide students opportunities to participate in roles as soloist, a choreographer or leader, and in a subject role. Students explore a wide variety of choreographic philosophies as well as administrative and media skills necessary for the promotion and documentation of works to be performed. Students experience and learn to use appropriate terminology to describe, analyze, interpret, and critique dance compositions by professional individuals or companies.

DANCE CHOREOGRAPHY I (0852)

Core 40 and AHD course

Grades: 9, 10, 11, 12

One semester—1 credit

Prerequisites: None

Successive semesters may be taken.

DANCE CHOREOGRAPHY II (0853)

Core 40 and AHD course

Grades: 9, 10, 11, 12

One semester—1 credit (*Successive semesters may be taken*)

Prerequisites: Successful completion of all previous levels of dance and Instructor approval

ADVANCED DANCE TECHNIQUE (0859-0863)

Core 40 and AHD course

Grades: 9,10,11,12

Two semesters—1 credit per semester (*Two semesters are recommended*)

Required: Two semesters of dance

Prerequisites: Placement Test

At the advanced level students are expected to learn phrases more quickly. Students work to develop an articulate, alert, and neutral body, ready for precise dancing with intricate coordination. Clarity, simplicity of movement, and attention to detail are key objectives. Advanced dancers are encouraged to take risks to expand the range of their movement practice. This class will focus on technique, strength, and flexibility.

DANCE PERFORMANCE COLOR GUARD (0811-0812)

This is the Dance Course associated with the AHS Marching Black and Gold.

Core 40 and AHD course

Grades: 9,10,11,12

Two semesters—1 credit per semester (*Required: Two semesters per year is **required** for this course*)

Prerequisites: Audition

Dance Performance – COLOR GUARD provides students with instruction in the development of skills in the art of performing various bodily movements in rhythm using musical accompaniment. Course content will include music terminology, note values, rhythms, meter, tempo, melodic content and contrast, music listening, performance techniques, choreography, costuming and makeup, and safety practices (warm up and cool down). The Avon color guards, which include dance, flags, rifles, and sabers, are a part of this curriculum. The dance class performs with the marching band in the fall and is a member of the Indiana High School Color Guard Association (IHSCGA) and Winter Guard International (WGI) during the winter months. Students are required to participate in performance opportunities, outside of the school day, that support and extend the learning in the classroom.



THEATRE COURSES

THEATRE ARTS (1761)

Core 40 and AHD course
One semester—1 credit

Grades: 9, 10, 11, 12
Prerequisite: None

Theatre Arts instruction enables a student to: 1) improvise and write plays or scenes; 2) imaginatively express thoughts, feelings, moods, and characters; 3) apply techniques involving voice, gesture, facial expression, and body movements to reproduce the subtleties of language and voice inflection in conveying emotion and meaning. Students are introduced to warm-up activities for body and voice, including mime activities. Students develop skills enabling them to speak clearly and expressively with 1) appropriate articulation; 2) pronunciation; 3) volume; 4) stress; 5) rate; 6) pitch; 7) intonation. Using knowledge gained through the study of performance and production, students focus on solving the problems faced by actors, directors, and technicians. They refine their abilities to collaborate on performances, and they learn to constructively evaluate their own and other's efforts. Study includes activities from a variety of historical and cultural contexts. Students develop critical thinking skills through studying examples of theatre criticism followed by analyzing and evaluating live performances.



GENERAL MUSIC: MUSIC THEORY AND PIANO

PIANO AND ELECTRONIC KEYBOARD I (0860)

Core 40 and AHD course
One semester—1 credit

Grades: 9, 10, 11, 12
Prerequisites: None

PIANO AND ELECTRONIC KEYBOARD II (0861)

Core 40 and AHD course
One semester—1 credit

Grades: 9, 10, 11, 12
Prerequisites: Beginning Piano and Electronic Keyboard or Audition

MUSIC THEORY AND COMPOSITION I (0830)

Core 40 and AHD course
One semester—1 credit

Grades: 9, 10, 11, 12
Prerequisites: None

Students taking these courses develop skills in the analysis of music and theoretical concepts. Students: (1) develop ear training and dictation skills, (2) compose works that illustrate mastered concepts, (3) understand harmonic structures and analysis, (4) understand modes and scales, (5) study a wide variety of musical styles, (6) study traditional and nontraditional music notation and sound sources as tools for musical composition, and (7) receive detailed instruction in other basic elements of music. Students have the opportunity to experience live performances, by professionals, during and/or outside of the school day. This course is a prerequisite for *AP Music Theory*.

MUSIC HISTORY AND APPRECIATION (0820)

Core 40 and AHD course
One semester—1 credit

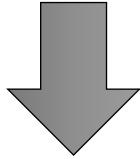
Grades: 9, 10, 11, 12
Prerequisites: None

Music History and Appreciation is based on the Indiana Academic Standards for Music and standards for this specific course. Students receive instruction designed to explore music and major musical styles and periods through understanding music in relation to both Western and Non-Western history and culture. Activities include analyzing and describing music; evaluating music and music performances; and understanding relationships between music and the other arts, as well as disciplines outside of the arts. Students will study various musical styles, including classical, blues, jazz, rock, and electronic music. Counts as a Directed Elective or Elective for all diplomas. Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma.

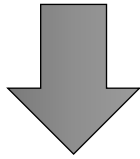
PHYSICAL EDUCATION & HEALTH COURSES

PE 1 and PE 2 to be completed by the end of 10th grade

PE 1
(Required for Graduation)



PE 2
(Required for Graduation)



PE 1 and PE 2 to be completed by the end of 10th grade

A student may then take any combination of the following courses up to 8 credits beyond PE I & PE II.

Strength & Speed

Advanced Basketball

Physical Fitness

Swimming

Team Sports

Lifeguard Training

PHYSICAL EDUCATION I (1122)

Core 40 and AHD

Prerequisite: None

One semester—1 credit

Suggested Grade: 9 – to be completed by the end of grade 10

This course is required for graduation. See p. 13 for PE waiver information.

Physical Education I will emphasize health-related fitness and development of the skills and habits necessary for a lifetime of activity. This program includes skill development and the application of rules and strategies of complex difficulty in at least three of the following different movement forms: (1) health-related fitness activities (cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition); (2) aerobic exercise; (3) team sports; (4) individual and dual sports; (5) outdoor pursuits; (6) aquatics; and (7) recreational games. Ongoing assessment includes both written and performance-based skill evaluations. Students will be required to complete 15 hours of swimming. Swimming with goggles is recommended. Classes are coeducational unless the activity involves bodily contact or groupings are based on an objective standard of individual performance developed and applied without regard to gender. Adapted physical education must be offered, as needed, in the least restricted environment and must be based on individual assessment.

PHYSICAL EDUCATION II (1123)

Core 40 and AHD

Prerequisite: None

One semester—1 credit

Suggested Grade: 9 – to be completed by the end of grade 10

This course is required for graduation. See p. 13 for PE waiver information.

Physical Education II continues to emphasize a personal commitment to lifetime activity and fitness for enjoyment, challenge, self-expression, and social interaction. This course provides students with opportunities to achieve and maintain a health-enhancing level of physical fitness and increases their knowledge of fitness concepts. It includes at least three different movement forms without repeating those offered in Physical Education I. Movement forms may include: (1) health-related fitness activities (cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition); (2) aerobic exercise; (3) team sports; (4) individual and dual sports; (5) outdoor pursuits; (6) aquatics; and (7) recreational games. Ongoing assessment includes both written and performance-based skill evaluations. This course will also include a discussion of related careers. Classes are coeducational unless the activity involves bodily contact or groupings are based on an objective standard of individual performance developed and applied without regard to gender. Adapted physical education must be offered, as needed, in the least restricted environment and must be based on individual assessment.

HEALTH EDUCATION (1101)

Core 40 and AHD

Prerequisite: None

One semester—1 credit

Suggested Grade: 9 or 10

This course is required for graduation.

High school *Health Education* provides the basis for continued methods of developing knowledge, concepts, skills, behaviors, and attitudes related to student health and well-being. This course includes the major content areas in a planned, sequential, comprehensive health education curriculum as expressed in the Indiana Health Education Guide: (1) growth and development; (2) mental and emotional health; (3) community and environmental health; (4) nutrition; (5) family life; (6) consumer health; (7) personal health; (8) alcohol, tobacco, and other drugs; (9) intentional and unintentional injury; and (10) health promotion and disease prevention. Students are provided with opportunities to explore the effect of health behaviors on an individual's quality of life. This course assists students to understand that health is a lifetime commitment, by analyzing individual risk factors and health decisions that promote health and prevent disease. Students are also encouraged to assume individual responsibility for becoming competent health consumers. A variety of instructional strategies, including technology, are used to further develop health literacy.

STRENGTH AND SPEED (1197-1198)

One semester—1 credit

Grades: 9, 10, 11, 12

Prerequisites:

- Must have played on an AHS, AMS North or South athletic team the previous year or have a head coach's recommendation to enroll in the class.
- Must have earned a C or higher in previous PE course(s).
- Must maintain a C or better in the previous semester to remain in *Strength & Speed* and finish the sport in good standing
- Any non-athlete requesting to be in *Strength & Speed* must have completed a semester of physical fitness, earning a C or better, and have received recommendation from the Physical Fitness teacher of record.
- All non-athletes must have PE I and PE II completed before being admitted to the course.

This course is for athletes who are preparing for a competitive season.

Strength and Speed is an elective physical education course. Daily participation and proper dress is required. Failure to comply may result in removal from the course. This course is designed for those students who are training specifically for an Avon High School athletic team. Activities will involve classroom work, speed and agility drills, conditioning, and weightlifting. The classroom work will involve the history of weight training, lifting technique, spotting technique, and safety awareness. The drills will involve basic stretching, speed development, injury prevention, interval training, and weight training.

LIFEGUARD TRAINING (1107)

One semester—1 credit

Prerequisite: PE I (C- or higher)

Grades: 9, 10, 11, 12

Lifeguard Training is an elective physical education course. Daily participation and proper dress is required. Failure to comply may result in removal from the course. This course is open to all students who are **strong swimmers** and have a desire to be a lifeguard. All lifeguard candidates must be able to swim 12 lengths of the pool in both freestyle and breaststroke as well as retrieve a ten-pound object from the bottom of the deep end of the pool before being considered for admission to the class. **Students must be 15 years of age by the end of the semester in which the course is taken.** You will become a certified American Red Cross lifeguard. The course also includes certification in CPR, first aid, and use of a defibrillator.

SCIENCE COURSES

This chart is a suggested course of study. All final decisions should be made with the student's guidance counselor.

	HONORS/AP		CORE 40	Available Electives At This Level (PREREQUISITE/S REQUIRED for ALL elective courses)
<i>9th</i>	CHEMISTRY I HONORS or CHEMISTRY I or PHYSICS I HONORS	BIOLOGY I HONORS	BIOLOGY I	PLTW: PRINCIPLES OF BIOMEDICAL SCIENCE *
<i>10th</i>	**CHOOSE ONE: AP CHEMISTRY AP ENVIRONMENTAL SCIENCE PHYSICS I HONORS ANATOMY & PHYSIOLOGY HON	**CHOOSE ONE: CHEMISTRY I HONORS PHYSICS I HONORS	CHOOSE ONE: INTEGRATED CHEMISTRY AND PHYSICS CHEMISTRY I PHYSICS I	ADV. SCI: BIOCHEMISTRY ADV. SCI.: INTRO. TO FORENSIC SCIENCE ORGANIC CHEMISTRY PLTW: PRINCIPLES OF BIOMEDICAL SCIENCE * PLTW: HUMAN BODY SYSTEMS * ENVIRONMENTAL SCIENCE
<i>11th</i>	**CHOOSE FROM: ANATOMY & PHYSIOLOGY HON AP BIOLOGY AP CHEMISTRY AP ENVIRONMENTAL SCIENCE AP PHYSICS C: MECH. PHYSICS I HONORS	**CHOOSE FROM: ANATOMY & PHYSIOLOGY HON AP BIOLOGY AP CHEMISTRY AP ENVIRONMENTAL SCIENCE AP PHYSICS C: MECH. PHYSICS I HONORS	ELECTIVES OR INTEGRATED CHEMISTRY AND PHYSICS CHEMISTRY I PHYSICS I ENVIRONMENTAL SCIENCE	ADV. SCI: BIOCHEMISTRY ADV. SCI.: HUMAN GENETICS ENVIRONMENTAL SCIENCE ADV. SCI.: INTRODUCTION TO FORENSIC SCIENCE PLTW: PRINCIPLES OF BIOMEDICAL SCI. PLTW: HUMAN BODY SYSTEMS PLTW: MEDICAL INTERVENTIONS ADV. SCI.: ZOOLOGY ADV. SCI.: ORGANIC CHEMISTRY PHYSICS II
<i>12th</i>	**CHOOSE FROM: ANATOMY & PHYSIOLOGY HON AP BIOLOGY AP CHEMISTRY AP ENVIRONMENTAL SCIENCE AP PHYSICS C: MECH. AP PHYSICS C: ELEC. & MAG. ELECTIVES	**CHOOSE FROM: ANATOMY & PHYSIOLOGY HON AP BIOLOGY AP CHEMISTRY AP ENVIRONMENTAL SCIENCE AP PHYSICS C: MECH. AP PHYSICS C: ELEC. & MAG. ELECTIVES	ELECTIVES	ADV. SCI: BIOCHEMISTRY ADV. SCI.: HUMAN GENETICS ENVIRONMENTAL SCIENCE PLTW: HUMAN BODY SYSTEMS PLTW: MEDICAL INTERVENTIONS PLTW: BIOMEDICAL INNOVATIONS ADV. SCI.: ZOOLOGY ADV. SCI.: ORGANIC CHEMISTRY ADV. SCI.: INTRODUCTION TO FORENSIC SCIENCE PHYSICS II

*Project Lead the Way: Principles of Biomedical Science is the only science elective course offered at grade 9. It must be taken concurrently with Biology I or Biology I Honors if enrolled during 9th grade. Chemistry I Honors, Chemistry I or Integrated Chemistry and Physics if enrolled during 10th grade. Students who complete all four years of the PLTW curriculum are recognized with cords for graduation.

**All prerequisites must be met in order to enroll in any course (both elective and required)

Department Chair: Mrs. Malari Williams

Career Pathways/Programs of Study – Cohorts: Class of 2028				
Pathway/Program of Study	Example careers	Principles Course	Concentrator Course A	Concentrator Course B
Biomedical Sciences & Technology	Nurse, Medical Technician	Principles of Biomedical Sciences	Human Body Systems or Anatomy & Physiology	Medical Interventions

BIOLOGY I (0921-0922)

DOE Course Number: 3024

Core 40 and AHD Course

Two semesters—1 credit per semester

Grades: 9

Prerequisite: None

Biology I provides for a study of the structures and functions of living organisms and their interactions with their environment. At a minimum, this study explores the functions and processes of cells, tissues, organs, and systems within various species of living organisms and the roles and interdependencies of organisms within populations, communities, ecosystems, and the biosphere. Students will be exposed to the history of the development of biological knowledge, various biological careers, and questions and problems related to personal needs and social issues. Laboratory and field investigations will be used in these studies.

BIOLOGY I HONORS (0913T-0914T)

DOE Course Number: 3024

Core 40 and AHD Course

Two semesters—1 credit per semester

Grades: 9

Prerequisite: Grade of B or better in Science 8

Students who enroll in these classes are expected to continue in an honors/accelerated course of study to prepare them for enrollment in AP Biology. It is expected that students who enroll in *Honors Biology* would have been successful students, receiving either an A or B in all science courses.

Biology I Honors provides for a study of the structures and functions of living organisms and their interactions with their environment. At a minimum, this study explores the functions and processes of cells, tissues, organs, and systems within various species of living organisms and the roles and interdependencies of organisms within populations, communities, ecosystems, and the biosphere. Students will be exposed to the history of the development of biological knowledge, various biological careers, and questions and problems related to personal needs and social issues. While the minimum academic standards covered remain the same for Biology I and Biology I Honors, there will be differences in depth, speed, and methodology. These differences are also reflected in the structure of the class, amount of independent work required, and assignments to be completed. Accelerated curriculum will be used; laboratory and field investigations will be extensive, in-depth, and will be approached in an accelerated fashion. Biology Honors is recommended for students interested in careers in science, math, engineering, technology, medicine, or other related fields.

CHEMISTRY I (0951-0952)

DOE Course Number: 3064

Core 40 and AHD Course

Two semesters—1 credit per semester

Grades: 9, 10, 11, 12

Prerequisites: Geometry (any level) (may be taken concurrently) and grade of C- or higher in Biology (any level)

Chemistry I allows students to synthesize useful models of the structure of matter and the mechanisms of its interactions through laboratory investigations of matter and its chemical reactions. Students have opportunities to: (1) gain an understanding of the history of chemistry, (2) explore the uses of chemistry in various careers (3) cope with chemical questions and problems related to personal needs and social issues, and (4) learn and practice laboratory safety. Emphasis is placed on the process of learning skills needed for problem solving.

CHEMISTRY I HONORS (0945-0946)

DOE Course Number: 3064

Core 40 and AHD Course

Two semesters—1 credit per semester

Grades: 9, 10

Grade 9 Prerequisites: Successful completion of Algebra 1 with a B- or better in 8th grade as well as a B- or higher in HA 8th grade Biology. Must be concurrently enrolled in Honors Geometry or higher. *Note: 9th grade students falling below these thresholds would enroll in Chemistry 1*

Grade 10 Prerequisites: Successful completion of Algebra 1 with a B- or Geometry Honors in 9th grade as well as a B- or higher in Honors Biology during 9th grade. Must be concurrently enrolled in Honors Geometry or Honors Algebra 2 or higher. *Note: 10th grade students falling below these thresholds should enroll in Chemistry 1 or ICP*

Students who enroll in *Chemistry Honors* are expected to continue in an honors/accelerated course of study to prepare them for enrollment in advanced science classes such as AP Biology, AP Environmental Science, Anatomy, Physics, and AP chemistry upon

recommendation of teacher. Foundational algebraic skills and claim, evidence, and reasoning writing is a critical portion of this course.

Chemistry Honors is an in-depth course that allows students to synthesize useful models of the structure of matter and the mechanisms of its interactions through laboratory investigations of matter and its chemical reactions. Students have opportunities to: 1) gain an understanding of the history of chemistry; 2) explore the uses of chemistry in various careers; 3) explore the chemical questions and problems related to personal needs and social issues; and 4) learn and practice laboratory safety. Emphasis is placed on the process of learning skills needed for problem solving. While the minimum academic standards covered remain the same for *Chemistry Honors* and *Chemistry I*, there will be differences in depth, speed, and methodology. These differences are also reflected in the structure of the class, amount of independent work required, assignments to be completed and textbooks being used.

The *Chemistry Honors* curriculum will allow students to effectively explain and justify chemical phenomena in the laboratory setting and make models and predictions about the chemical phenomena experienced. *Chemistry Honors* is recommended for students interested in higher level science courses to help guide them towards careers in science, math, engineering, technology, medicine, or other related fields.

PHYSICS I HONORS (0957-0958)

DOE Course Number: 3084

Core 40 and AHD Course

Two semesters—1 credit per semester

Grade: 9, 10, 11, 12

Prerequisite: B or higher in Geometry OR B or higher in Algebra II;
9TH grade students should have completed HA Biology & Honors
Geometry in grade 8

Students who enroll in these classes are expected to continue in an honors/accelerated course of study to prepare them for enrollment in AP Physics. Math is a critical portion of this course.

Physics Honors aids students in synthesizing the fundamental concepts and principles concerning matter and energy through the laboratory study of mechanics, wave motion, heat, light, electricity, magnetism, electromagnetism, and atomic and nuclear physics. Primary emphasis is placed on mechanics and waves and on their physical principles by developing descriptive analyses and problem-solving skills. Students will also have opportunities to: 1) acquire an awareness of the history of physics and its role in the birth of technology; 2) explore the uses of its models, theories, and laws in various careers; and 3) explore physics questions and problems related to personal needs and social issues. While the minimum academic standards covered remain the same for *Physics I* and *Physics I Honors*, there will be differences in depth, speed, and methodology. These differences are also reflected in the structure of the class, amount of independent work required, assignments to be completed, and textbooks being used. Accelerated curriculum will be used while investigating possible answers to problems throughout the world. Laboratory and field investigations will be extensive, in-depth, and will be approached in an accelerated fashion. *Physics Honors* is recommended for students interested in careers in science, math, engineering, technology, medicine, or other related fields.

PROJECT LEAD THE WAY: PRINCIPLES OF BIOMEDICAL SCIENCES (5218F-5218S)

Biomedical Sciences Pathway Course 1 of 3

Core 40 and AHD Course

Grades: 9, 10, 11

Two semesters—1 credit per semester

Prerequisites: Biology I, Biology I Honors (may be taken concurrently)

Principles of Biomedical Science is an academically rigorous course and is the first of four courses in the Project Lead the Way Biomedical Science pathway. Students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over two semesters, students are challenged in various scenarios including investigating a crime scene, analyzing blood and blood tests, diagnosing and proposing treatment to patients in a family medical practice, synthesizing multiple sets of data to diagnose patients, tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

*Students are required to take the Project Lead the Way national End of Course assessment during the second semester of the course.

SOCIAL STUDIES COURSES

This chart is a suggested course of study. All final decisions should be made with the student’s guidance counselor.

Grade Level	Honors/AP/ Dual Credit Courses	Required Core 40 Courses	Available Electives
9 th	Honors Geography & History of the World	Geography & History of the World	Indiana Studies
10 th	AP World History AP European History		AP World History AP European History Ethnic Studies Indiana Studies Current Events
11 th	AP US History VU American History 139/140 AP European History AP Psychology	US History	AP European History AP Psychology Psychology Ethnic Studies Indiana Studies Current Events
12 th	AP Economics AP Government AP European History AP Psychology	Economics Economics (Blended Learning) US Government US Government (Blended Learning) US Government: We the People	AP European History AP Psychology Psychology Sociology Ethnic Studies Indiana Studies Current Events

Department Chair: Mr. Aaron Vogl

The **Indiana Academic Standards for Social Studies** provide standards for specific courses that focus on one of the five areas that make up the core of the social studies curriculum: History; Civics and Government; Geography; Economics; and Individuals, Society, and Culture (psychology, sociology, and anthropology). One of these content areas is the major focus of the course while the other areas play supporting roles or become completely integrated into the course content. Each high school course continues to develop skills for thinking, inquiry and research, and participation in a democratic society.

GEOGRAPHY AND HISTORY OF THE WORLD (1000-1001)

Core 40 and AHD Course

Grade: 9

Two semesters—1 credit per semester

Prerequisite: None

This course, Honors Geography and History of the World, or World History & Civilization is required for graduation.

Students will develop and use elements of geography to better understand current events and issues facing the world today. These elements are: The World in Spatial Terms, Places and Regions, Physical Systems, Human Systems, Environment and Society, and the Uses of Geography. Students will demonstrate an understanding of these elements of geography in a context of world history.

HONORS GEOGRAPHY AND HISTORY OF THE WORLD (1002T-1003T)

Core 40 and AHD Course

Grade: 9

Two semesters—1 credit per semester

Prerequisites: Qualifying scores on various school administered assessment tests

This course, Geography and History of the World, World History & Civilization is required for graduation.

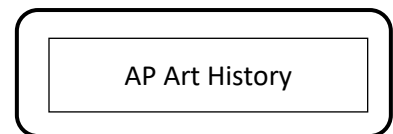
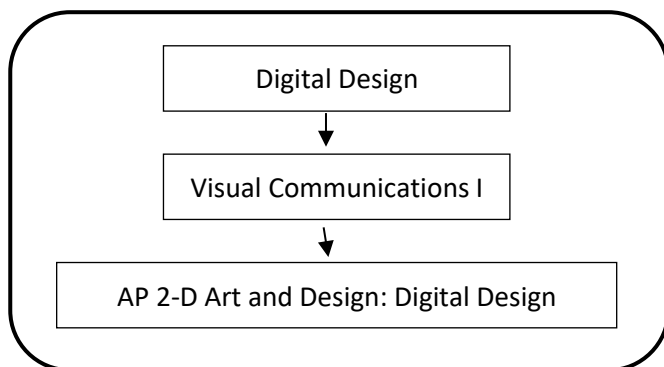
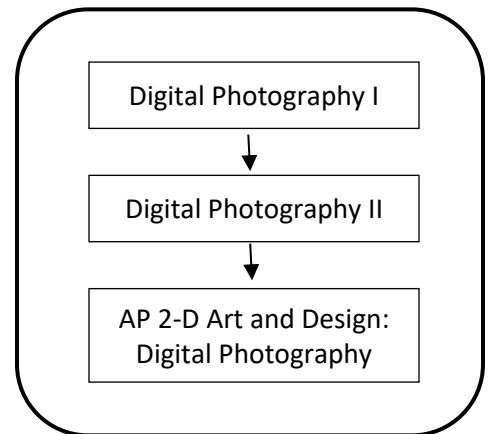
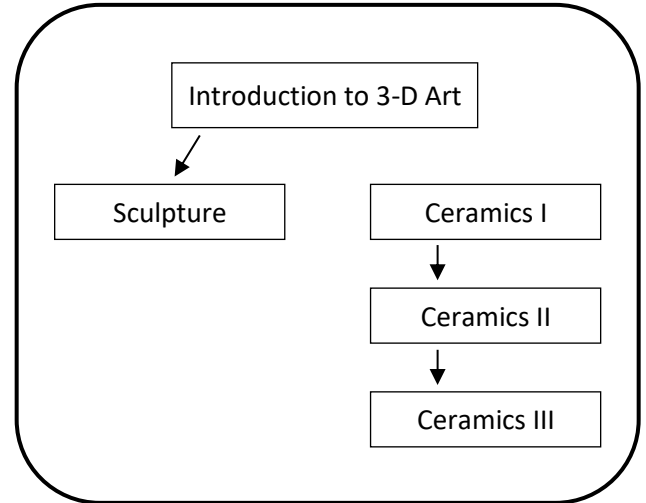
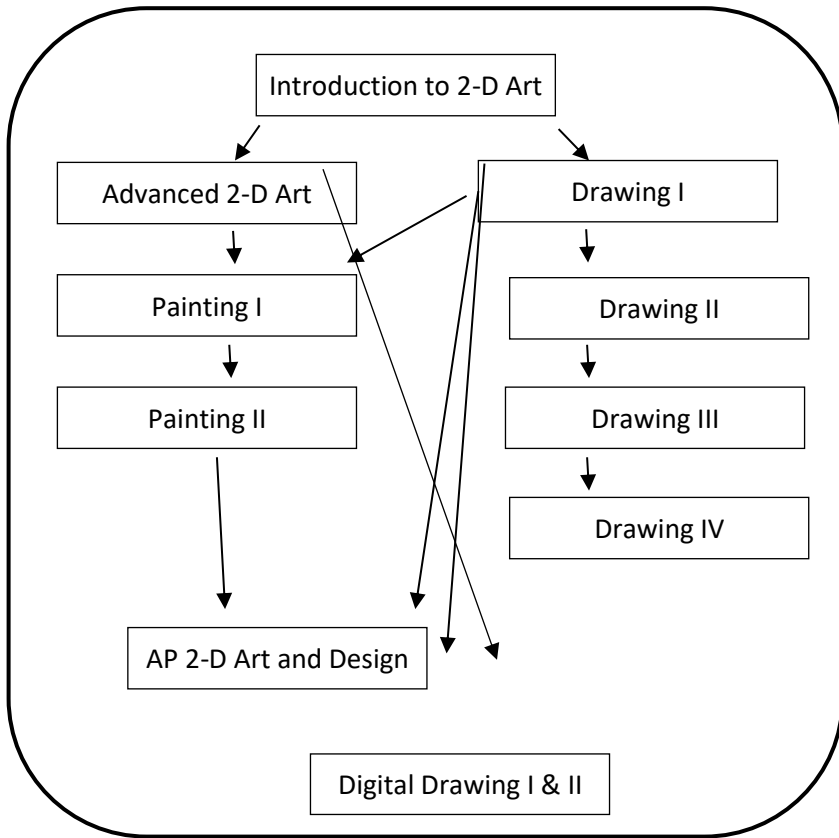
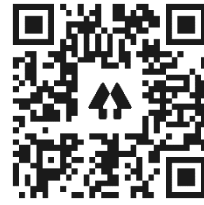
Honors Geography and History of the World is designed to assist students in the preparation for AP World History in the sophomore year. In addition, the course enables students to use geographical tools and skills and understand historic concepts and perspectives to deepen their understanding of major global themes including the origin and spread of world religions; exploration; conquest and imperialism; urbanization; and innovations and revolutions. Geographical and historical skills include forming research questions, acquiring information by investigating a variety of primary and secondary sources, organizing information by creating graphic text representations, analyzing information to determine and explain patterns and trends, planning for the future, and documenting and presenting findings orally or in writing. The historical geography concepts used to explore the global themes include change over time, origin, diffusion, physical systems, cultural landscapes, spatial distribution/patterns, and interaction/relationships. Students use the knowledge, tools, and skills obtained from this course in order to analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century.

SPECIAL EDUCATION DEPARTMENT COURSES

Course placement will be determined by IEP case conference with Teacher of Record.

VISUAL ARTS COURSES

Scan code for more information:



Department Chair: Mrs. Sarah Fowler

Avon High School is pleased to offer a state-approved pathway in Civic Arts. The Civic Arts pathway is earned through successful completion of required coursework **AND** community-based experiences including internships and community service that demonstrate employability skills. An e-portfolio documents the completion of all elements of the Civic Arts pathway. Students interested in the Civic Arts pathway should work closely with their counselor.

Civic Arts Local Pathways – ALL Cohorts: Class of 2028				
Civic Arts Pathway	Example Careers	Required Coursework I	Required Coursework II	Required Coursework III
Visual Arts 2-D Path	Art Teacher/2-D Business Owner	Intro to 2-D AND Advanced 2-D	Principles of Teaching OR Principles of Business Management	Drawing I AND Drawing II OR Drawing I AND Painting I OR AP 2-D Art and Design
Visual Arts Digital Path	Art Teacher/Digital Designer/Business Owner	Digital Design AND Visual Communications I	Principles of Teaching OR Principles of Business Management	AP 2-D Art and Design: Digital Design
Visual Arts 3-D Path	Art Teacher/3-D Business Owner	Intro to 3-D AND Ceramics I	Principles of Teaching OR Principles of Business Management	Ceramics II AND Sculpture

INTRODUCTION TO TWO-DIMENSIONAL ART (0111)

DOE Course Number: 4000
Core 40 and AHD course
One Semester—1 credit

Grade Levels: 9, 10, 11, 12
Prerequisite: none

This course is designed to give students a foundation of art skills needed to take advanced art courses. The primary focuses of this course are the elements and principles of art, basic drawing skills, and painting techniques. Students will explore problem solving techniques while working with a variety of media. Throughout the semester students will gain knowledge in the areas of art history, art criticism, aesthetics, and art production. The combination of these four areas will allow the students to gain a well-rounded foundation and appreciation of art.

ADVANCED TWO-DIMENSIONAL ART (0135)

DOE Course Number: 4004
Core 40 and AHD course
One Semester—1 credit

Grade Levels: 9, 10, 11, 12
Prerequisite: Intro to 2-D Art with a C- or higher

Students in this course will expand on the sequential learning experiences that encompass art history, art criticism, aesthetics, and production skills learned in *Intro to 2-D*. Students will explore idea development, creative use of media and processes, major ideas and issues in the arts and create a portfolio of quality works. This course will encourage students to consider major questions and definitions in art; the search for and development of ideas; the search for personal themes; and the connection between the art world and the art student. Drawing, painting, printmaking, collage, and mixed media are some of the materials that will be explored at an advanced level. This course is suggested for students planning on taking *AP 2-D Art and Design*.

INTRODUCTION TO THREE-DIMENSIONAL ART (0110)

DOE Course Number: 4002
Core 40 and AHD course
One Semester—1 credit

Grade Levels: 9, 10, 11, 12
Prerequisite: none

This course is designed to give students a foundation of art skills needed to take advanced Three-Dimensional art courses. The primary focuses of this course are the elements and principles of art and basic sculpting techniques. Students will explore problem solving techniques while working with a variety of media. Throughout these semesters, students will gain knowledge in the areas of art history, art criticism, aesthetics, and art production. The combination of these four areas will allow the students to gain a well-rounded foundation and appreciation of art.

DRAWING I (0123)

DOE Course Number: 4060
Core 40 and AHD course
One Semester—1 credit

Grade Levels: 9, 10, 11, 12
Prerequisite: Intro to 2-D, C- or higher

This class builds on the skills learned in *Intro to 2-D*. Students will be introduced to a variety drawing media and how to apply each to the paper to create realistic observational drawings. While working primarily in black and white, students will learn a variety of perception techniques, drawing styles, and methods of adding value. Exploration of the elements of art and principles of design will be incorporated into each of the projects. Students will be required to create and maintain a sketchbook throughout the semester.

DIGITAL DESIGN (0120)

DOE Course Number: 4082
Core 40 and AHD Course
One semester - 1 credit
Graduation Pathway: Graphic Design

Grade Levels Eligible: 9, 10, 11, 12
Prerequisites: None

Digital Design is an introductory art course that combines digital art application with introductory art techniques focused toward learning and applying the elements and principles of art. Students in *Digital Design* engage in sequential learning experiences that encompass the design process, basic drawing techniques, creative software application, art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. The course involves multi-media approaches to design, digitized imagery, illustration, typography, and other forms of print design. Students reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration through related careers. This class relies heavily on students' progressive mastery of computer design software.

VISUAL COMMUNICATION I (GRAPHIC DESIGN I) (0148)

DOE Course Number: 4086
Core 40 and AHD course
One Semester—1 credit

Grade Levels Eligible: 9, 10, 11, 12
Prerequisite: Digital Design, C- or higher

This course is designed to explore the various visual forms of communication, with a focus toward the art of graphic design during production. Emphasis will be placed on utilizing the design process to accomplish design problems. Students will create through a variety of approaches including, but not limited to, drawing, painting, collage, and the use and application of creative software (Photoshop and Illustrator) for art production. Students must utilize the design process and consider the relationship of artist and audience in developing artwork. Artwork will be designed to communicate a message in an artistically enticing yet effective format. Learning will highlight the use of typography, illustration, and image editing to address a visual communication problem. Former experience in drawing and an understanding of the elements and principles of design along with the desire to work digitally are required.

WORLD LANGUAGE COURSES

Level I courses are available by recommendation only. See note on Course Selection Form.

This table shows a suggested course of study. All final decisions should be discussed with the student's guidance counselor.

FRENCH, GERMAN, JAPANESE, AND SPANISH®
Level 1
Level 2^
Level 3
Level 4
AP Language and Culture
<i>Students must progress through the language levels in order. Students who begin language study in high school may only progress through four levels of a language. Please see the specific language descriptions in the following narrative section in order to understand prerequisites and expectations for language progression. Students are not permitted to complete online courses (for example: Edmentum or Indiana Online) for first time credit for language progression.</i>

*French and German students wishing to proceed beyond level III will have a conference with their teacher to determine if they should enroll in level IV or AP.

® A student who changes world languages after grade 10 is still able to complete the courses needed for an AHD as long as the student has successfully completed Levels 1 and 2 of one language with a grade of C- or above. The student must then complete two additional years of a world language a grade of C- or above to receive the AHD.

^Only freshmen who have successfully completed Level 1 of Spanish or Japanese in middle school may begin Spanish or Japanese Level 2 courses at AHS. All other freshmen may begin at Level 1 of any language offered.

*Native or heritage speakers of the languages offered may test into advanced levels per departmental procedure (Mrs. Juli Robinson is the department liaison for placement of native/heritage speakers of Spanish).

Department Chair: Mr. Chad Seals

World Language courses encompass five goal areas that explain the reasons for their study: Communication, Cultures, Connections, Comparisons, and Communities as defined below:

Communication, or communicating in languages other than English, is at the heart of second language study, whether the communication takes place face-to-face, in writing, or across centuries through reading of literature. Through the study of other languages, students gain a knowledge and understanding of the cultures that use that language; in fact students cannot truly master the language until they have also mastered the cultural contexts in which the language occurs. Learning languages provides connections to additional bodies of knowledge that are unavailable to monolingual English speakers. Through comparisons and contrasts with the language studied, students develop greater insight into their own language and culture and realize that multiple ways of the world exist. Together, these elements enable the student of languages to participate in multilingual communities at home and around the world in a variety of contexts and in culturally appropriate ways (Standards for World Language Learning in the 21st Century; 2006, p. 31).

World Language study is intended to be completed as a sequence. At the end of this sequence, students will be able to listen to and read various selections in the target language combine the language with other content areas to enhance the use of the target language, utilize the target language in multiple situations and understand the essence of language usage in various cultural contexts.

FRENCH I (0411-0412), GERMAN I (0421-0422), JAPANESE I (0461-0462), SPANISH I (0431-0432)

Core 40 elective and AHD courses

Grades: 9, 10, 11 or 12

Two semesters—1 credit per semester

No prerequisites first semester; passing grade in previous semester is required to continue. Students earning a grade of D+ or lower will be reviewed for progression to the next semester. Alternative placement due to previous non-high school study, world exchange student status, or native/heritage language may be granted based upon performance tests and department chair/liaison principal approval.

Level 1 World Language courses based on Indiana's Academic Standards for World Languages and ACTFL National Performance Guidelines; introduce students to effective strategies for beginning World Language learning including introduction to various aspects of the target language cultures. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of interpretive skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will examine the practices, products, and perspectives of the cultures being studied; recognize basic routine practices of the target language culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of language and culture to the greater community.

JAPANESE II (0463-0464), SPANISH II (0433-0434)

Core 40 elective and AHD courses

Grades: 9, 10, 11 or 12

Two semesters—1 credit per semester

Prerequisite for first semester: passing grade in both semesters of Level I study; passing grade in previous semester is required to continue. Students earning a grade of D+ or lower will be reviewed for progression to the next semester. It is recommended that students earning a grade below C- do not progress to Level 3. Alternative placement due to previous non-high school study, world exchange student status, or native/heritage language may be granted based upon performance tests and department chair/liaison principal approval.

Level 2 World Language courses based on Indiana's Academic Standards for World Languages and ACTFL National Performance Guidelines; build upon effective strategies for world language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages in appropriate formats with greater independence. This course also emphasizes the development of interpretive skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by sharing prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products, and perspectives of the target culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of language and culture to the greater community.

NON-DEPARTMENTAL COURSES

LIBRARY MEDIA (1780)

Core 40 and AHD elective

Grades: 9, 10, 11, 12

One semester—1 credit

Prerequisite: [Online Application required](#) from the AHS Library (Link available under “Academic Programming” on Guidance webpage).

Library Media is the study and application of procedures based on library science theory. Students examine the role of library and technology in the current Information Age. Students use electronic resources for specific research needs and will read books and complete projects related to the books read. Students may take this course for credit once.

NON-DISCRIMINATION STATEMENT

Avon Community School Corporation does not discriminate on the basis of race, religion, color, sex, national origin, age, disability, sexual orientation, genetic information, or veteran status in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations. Avon Community School Corporation Career and Technical Education department does not discriminate in enrollment or access to any of the programs available at the high school or career/technical education center. The lack of English language skills shall not be a barrier to admission or participation in the activities and programs. The Avon Community School Corporation also does not discriminate in its hiring or employment practices.

This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator(s).

Students

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