

# **Ellicott High School**

**375 S. Ellicott Hwy  
Calhan, CO 80808**



*“Home of the Thunderhawks”*

**Course Catalog  
2021-2022**

## **Introduction**

Deciding on the courses that you take in high school is a serious undertaking that will impact your entire future. This guide is meant to help you plan your education over the next four years as well as plan for your future career. In this book you will find a course description of every course as well as prerequisites and a recommended path of progression. It also outlines different college course options and reviews the requirements for graduation. This guide will serve as an important component of your Individual Career and Academic Plan (ICAP).

**\*Disclaimer: All classes offered may or may not be offered depending on enrollment numbers and class sizes.**

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## Credits for Graduation

Graduation from Ellicott High School requires 26 credits. Each full year class is worth 1 credit (0.5 per semester). The following is the list of the specific class requirements:

English	4 credits
Math	4 credits
Science	4 credits
Social Studies	4 credits
Physical Ed/Health	1 credit
Foreign Language	1 credit
Electives	8 credits

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26 credits

For the class of 2020 and later, there are three different pathways for graduation below.

	<b>Honors Pathway** Must have a minimum 3.5 GPA after 1st semester of senior year</b>	<b>CTE Pathway</b>	<b>High School Pathway</b>
<b>Content Area</b>	<i>Credits Required</i>		
Language Arts	4	4	4
Mathematics	4	4	4
Science	4	4	4
Social Studies	4	4	4
Physical Ed/Health	1	1	1
Foreign Language	2	1	1
Seminar	2	2	2
Fine Arts	1	-	-
Electives	4	4	6
Business	-	2	-
Community Service*	50 Hours	50 Hours	50 Hours
Total Credits	26 4 credits must be Honors or AP Level	26	26

All students will be required to take American or World History as well as Government to fulfill their social studies requirement. Seminar will be taken over the 4 years (a ½ credit per year). Career and Technical coursework can count for core course (math, science, social studies, and math) requirements.

\*If you are planning to attend college or be in NCAA athletics, please review the credit requirements for the individual college you wish to attend to make sure you will meet the requirements.

### **GPA and Class Rank Policy**

There are two types of courses - weighted and unweighted. Weighted courses are those that are college preparatory or college classes. Every course that is weighted will be labeled as such in the course catalog.

Class rank will be determined by average GPA compared to the students in the same grade.

<i>Regular GPA</i>	<i>Weighted GPA</i>
A=4.0	A=5.0
B=3.0	B=4
C=2.0	C=3
D=1.0	D=2
F=0.0	F=0

### **Classification System**

Ellicott High School requires its students to make adequate progress every year in order to be promoted to the next grade level. Below are the classifications based on credit.

**Freshmen (9) - 0-6**

**Sophomore (10<sup>th</sup>) - 7-11**

**Junior (11<sup>th</sup>) - 12-18**

**Senior (12<sup>th</sup>) - 19 or higher**

## College Credit Options

### Area Vocational Program (AVP)/Career Start/Concurrent Enrollment

Ellicott works with PPCC to offer several concurrent enrollment programs (formerly known as AVP). The students are bussed into town to go to PPCC to take college courses in the morning and come back around noon to finish the rest of their high school coursework. This will earn them college level credit and the district pays for this. The following are the programs that are currently offered:

- Auto Collision Technology
- Automotive Service Technician
- Computer Aided Drafting
- Culinary Arts
- Cyber Security
- Diesel Power Technology
- Early Childhood Education
- Fire Science Technology
- Health Career Exploration
- Health Science Technology (CNA opportunity)
- Interior Design
- Multimedia Graphic Design
- Machining
- Radio and Television
- Zookeeping

There is an application process as well as requirements for entry into these programs. These courses are **NOT weighted**.

### Advanced Placement (AP)/Pre-AP Courses

A CP/AP course is one in which the student is eligible to take the AP course exam at the end of the course in May. If students do well enough on this exam, they are eligible to receive college credit. If a student elects not to take the exam, college often still like to see that students are enrolled in these classes as they are accelerated and more college preparatory. These classes are **WEIGHTED**.

### Articulated Credit

Articulated courses that are offered at the high school can count as college courses through PPCC with a grade of a B or higher, the proper forms, and payment (\$10 per course). Below is a list of the courses that have the possibility of articulation. In this course catalog, articulated credit will be denoted with an asterisk (\*).

<b>High School Course</b>	<b>PPCC Course (Credit)</b>
Accounting I or II	ACC 101 Fundamentals of Accounting (3)
Introduction to Business	BUS 115 Intro to Business (3)
Advanced Business Computers	CIS 118 Intro to PC Apps (3)
Business Math	MAT 112 Financial Mathematics (3)
Blueprint Reading for Welders and Fitters	WEL 106 Blueprint Reading (4)
Oxyacetylene Welding and Cutting	WEL 113 Oxyfuel & Plasma Cutting (2) <b>and</b> WEL Oxyacetylene Welding & Cutting (2)
Structural Welding I	WEL 121 Structural Welding (3)
Structural Welding II	WEL 124 Structural Welding II (3)
Intro to Gas Tungsten Arc Welding	WEL 124 Intro to Gas Tungsten Arc Welding (4)
Intro to Gas Metal Arc Welding	WEL 125 Intro to Gas Metal Arc Welding (4)
Advanced Gas Tungsten Arc Welding	WEL 224 Advanced Gas Tungsten Arc Welding (4)
Advanced Gas Metal Arc Welding	WEL 225 Advanced Gas Metal Arc Weld (4)
CAD – Basic	

**Individualized Career and Academic Plan (ICAP)**

Students are required to complete an ICAP every year addressing their future goals and making sure their high school program meets those goals. These Goals and Tasks will be completed through Naviance. The following are the objectives for each grade level.

### **Freshmen**

Career exploration and inventory  
Set short and long term goals  
Make a four year high school plan outlining curriculum  
Postsecondary goal and plan to achieve goal  
Start record of school and extracurricular involvement

### **Sophomores**

Career exploration and inventory  
Set new short and long term goals  
Update four year high school plan outlining curriculum  
Postsecondary goal and plan to achieve goal  
Continue record of school and extracurricular involvement  
Start researching colleges and postsecondary options  
Start researching financial aid

### **Juniors**

*Same goals as above*  
Review for ACT  
Take ACT  
Take ASVAB if interested in military  
Research colleges and do practice application  
Develop postsecondary financial plan

### **Seniors**

Retake ACT and ASVAB if appropriate based on postsecondary goal  
Apply for colleges and scholarships (keep list)  
Create a resume using record created the first three years of high school  
Have a specific financial and postsecondary plan  
Apply for the FAFSA

## **COURSES:**

### **Language Arts**

#### **1000 English 9: Introduction to Literature**

Honors or regular

*Grade: 9*

*credits: 1*

*Prerequisites: 8th Grade Language Arts*

This course continues development of skills in reading, writing, speaking, and listening. Introduction to Literature and Composition explores the connection between classical, traditional, and contemporary texts, and how new ideas and concepts influence the understanding of literary, persuasive, and informational texts. Students will explore and understand literary devices and apply them to various forms of writing including informative/explanatory, narrative, opinion/argumentation, and research. They will continue to develop grammar, language usage, and mechanics skills while refining and revising within the writing process. Students will also collect, analyze, and evaluate information obtained from multiple sources to answer questions, propose solutions, and share findings and conclusions.

#### **1001 English 10 World Literature**

Honors or regular

*Grade: 10*

*Credits: 1*

*Prerequisite: English 9*

This course promotes development of more complex skills in reading, writing, speaking, and listening. The Advanced World Literature and Composition course explores on deeper levels the connection between historical literary influences and its impact on traditional and contemporary texts, and how new ideas and concepts influence the understanding of literary, persuasive, and informational texts. Students will analyze literary devices and apply them to various forms of writing including informative/explanatory, narrative, opinion/argumentation, and research. They will develop grammar, language usage, and mechanics skills while refining and revising within the writing process. Students will also collect, analyze, and evaluate information obtained from multiple sources to answer questions, propose solutions, and share findings and conclusions. This course aims to prepare students for post-secondary academic endeavors or workforce opportunities.

## **1002 English 11**

*Grade: 11*

*Credits:1*

*Prerequisite: English 10*

This course promotes development of skills in reading, writing, speaking, and listening. Students will read, interpret, analyze, and evaluate various works of American Literature. Students will read from a variety of genres from various time periods from our textbook, *The American Experience*, non-fiction, short story, poetry, drama, and various novels. Class readings will represent authors from various cultures and perspectives of the American experience. Students will write for various purposes and audiences including creative, analytical, informative and persuasive writing. Students will work on developing their oral communication skills through small group discussions and public speaking. A research component is also included within the course work.

## **1003 English 12 British Literature/Honors (weighted)**

*Grade: 12*

*Credits: 1*

*Prerequisite: English 11*

This course promotes development of more complex skills in reading, writing, speaking, and listening through primarily British Literature, but other literary works will be utilized to support the anchor texts. Students will explore the connection between historical literary influences and its impact on traditional and contemporary texts, and how new ideas and concepts influence the understanding of literary, persuasive, and informational texts. Students will analyze literary devices and apply them to various forms of writing including informative/explanatory, narrative, opinion/argumentation, and research. They will develop grammar, language usage, and mechanics skills while refining and revising within the writing process. Students will also collect, analyze, and evaluate information obtained from multiple sources to answer questions, propose solutions, and share findings and conclusions. This course is intended to prepare students for post-secondary academic endeavors.

The weighted component will build on skills from other honors courses.

## **1004 AP Language and Composition (weighted)**

*Grade: 11-12*

*Credits: 1*

*Prerequisite: English 10 or Higher*

AP Language Arts is a rigorous honors preparatory course for post-secondary work that engages students in becoming skilled readers and skilled writers who are competent in writing for a variety of purposes. Students will explore connections between historical literary influences and its impact on traditional and contemporary texts, and how new ideas and concepts influence understanding of composing effective literary arguments. Students will continue to develop as life-long learners who effectively and critically analyze text, participate in public discourse, and develop and enhance their writing skills by understanding the conventions that contribute to effective forms of rhetoric. This course will teach students to read primary and secondary sources carefully, to synthesize material from these texts in their own compositions, and to cite sources using conventions recommended by professional organizations such as the Modern Language Association (MLA). Students who perform exceedingly well will be recommended to take the AP Language & Composition Exam in May for Possible college Credit; a score of 3 or above (out of 5) would receive said credit.

## **1005 AP Literature and Composition (weighted)**

*Grade: 11-12*

*Credits: 1*

*Prerequisite: English 10 or Higher*

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing). Advanced classes follow the same course description and state standards as regular classes, but students are expected to show a greater aptitude for the subject matter. Material will be discussed with more depth as we look at concepts and analyze different works. We will move at a quicker pace, and cover more material.

## English Electives

### **Literature and Pop Culture**

*Grades: 9-12*

*Credits: 1*

*Prerequisites: none*

In this course, students will critically examine the definitions of popular fiction and popular culture, popular culture in a historical and cross-cultural perspective, the appeal of popular genres, popular genre formulas, audiences, and reception. Despite drastic changes in society, certain archetypes continue to be the center of popular culture throughout the ages. They have been reimagined, reinvented, and reinterpreted, yet they remain at the forefront of literature and film. However, few people understand the origin of these creatures that appeal to us or why they are so alluring. Students will investigate the origins of these archetypes and make modern connections to understand the transition of these archetypes from lamp-lit pages to the silver screen and how this changed the creatures themselves, our perceptions of them, and our culture. Assignments will include analytical and critical essays, discussions, a film project, and an analytical project over each text we read.

### **8002 Literature in Film**

*Grades: 9-12*

*Credit: 1*

*Prerequisites: none*

This course will introduce students to the film industry and history of cinema through the study of classic and contemporary literature. Students will read about the history of film, the reflection or influence of film on the culture, and issues of interpretation, production, and adaptation. Students will examine the connections between the written text and the visual interpretation of literary techniques and the limitations or special capacities of film versus text to present a literary work. Students will examine how films portray the human condition and the roles of men and women and the various ethnic and cultural minorities in the past and present. Different genres of film will be explored.

### **1008 Creative Writing**

*Grade: 10-12*

*Credit: 1*

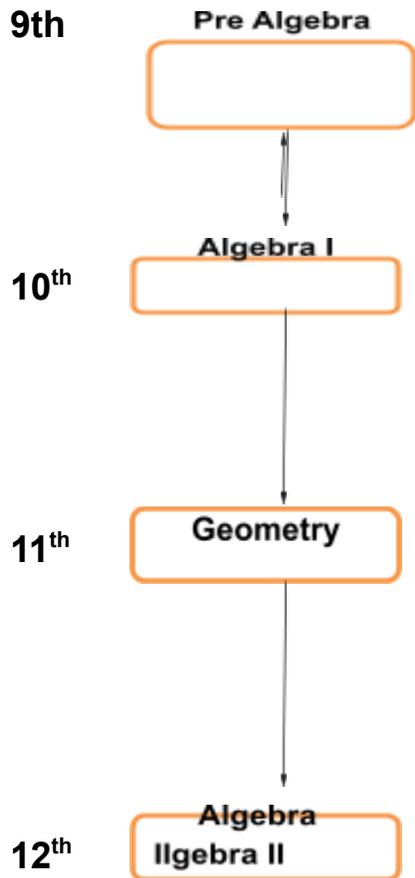
*Prerequisite: None*

This course will focus on Creative writing in its many forms with the study of fiction and non-fiction works on a universal scale. Student choice and individual development will be the core of this course. This is a project based learning course—with writing being the central feature of a varied, personal approach to developing each student's individual writing

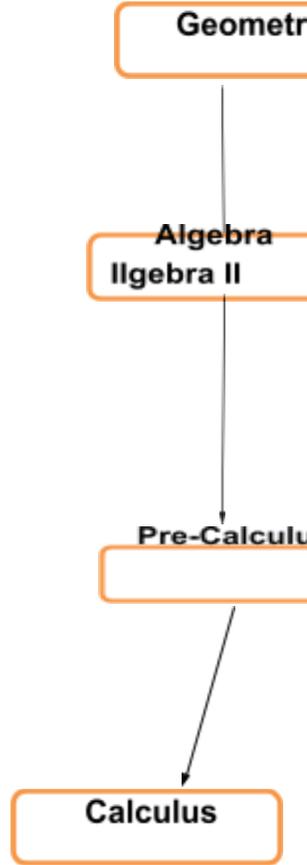
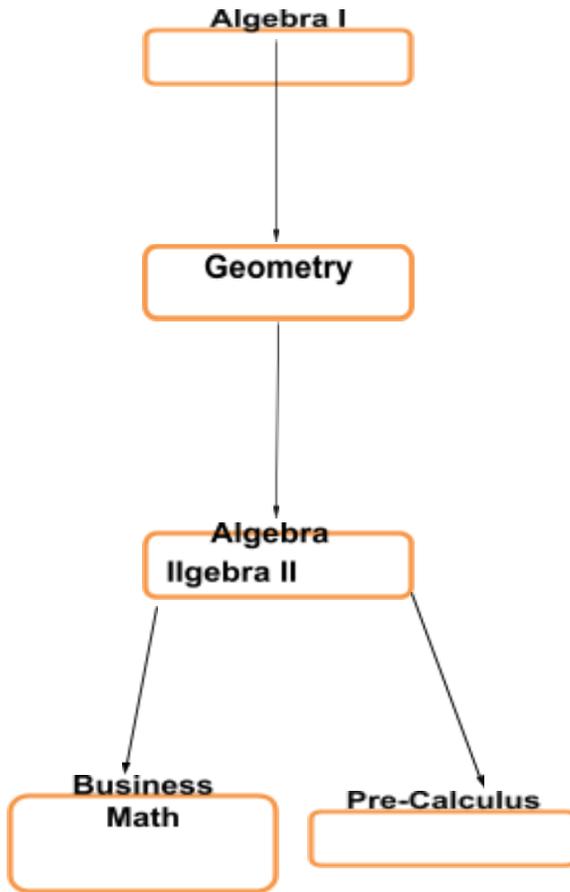
skill-sets in a more creative manner. Each student will develop a prolific portfolio based upon their own preferences, personal pieces and class wide assignments. The publishing of some pieces will be a class-wide goal for the course. The workshop model will be used to foster better working and communication skills in group settings—with the delivery and acceptance of feedback on student writing playing pivotal roles in the formation of these life skills.

# Mathematics Sequence

## Recovery Advanced



## Regular



## Mathematics

### 2000 Pre Algebra

*Grade: 9*

*Credits: 1*

*Prerequisite: Teacher recommendation*

Meant to go along with the Pre-Algebra course, this class reinforces students' sense of numbers and prepares them to later take the Algebra 1 course. Students will work with fractions, decimals and percents as well as develop a sense of proportional reasoning. Basic linear equations will be introduced and solved using algebraic methods. These concepts will be applied to basic two and three dimensional geometric problems.

### 2001 Algebra I

Regular/Honors

Grade: 9,10

Credits: 1

*Prerequisite: Math Solutions or successful completion of 8th grade math*

This course encompasses the fundamental concepts of algebra and builds on the mathematics students learned previously. The content of Algebra 1 deepens and extends students' understanding of linear and exponential relationships. Students explore functions, including sequences and analyze them graphically, numerically, symbolically and verbally. Students apply linear models to data and analyze how well the model fits the data. Additionally, students engage in methods for analyzing, solving and applying quadratic functions.

### 2002 Geometry

Regular/honors

Grade: 9,10,11

Credits: 1

*Prerequisite: Algebra 1*

This course encompasses the fundamental concepts of geometry. This course is an integrated course primarily in plane (two-dimensional Euclidean Geometry) incorporated with solid (three-dimensional volume concepts), and coordinate geometry. Students will develop geometric concepts using both a formal deductive mathematical reasoning using proofs and an explorative inductive reasoning using transformations and constructions. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving toward formal algebraic arguments and solving process. In this course, rigid and non-rigid transformations are the frame through which students build and prove the concepts of congruence and similarity. Previous experiences with proportional reasoning and the Pythagorean Theorem lead students to understand the trigonometry of right triangles, and develop the Laws of Sines and Cosines to find unknown

measures in general triangles. This course will include all Common Core plus topics for Geometry and will strengthen algebra skills while establishing a strong geometric background for future mathematics courses.

### **2003 Algebra II**

Regular/honors

*Grades: 10,11,12*

*Credits: 1*

*Prerequisite: Algebra I and Geometry or concurrent with Geometry*

This course encompasses the fundamental concepts of algebra. It is designed to provide students with the opportunity to deepen understanding of all aspects of functions: graphing, analyzing, transforming, performing operations with, composing new functions, and solving equations using them. Functions studied include linear, quadratic, polynomials, radical, rational, and exponential. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the sets of complex numbers. Functions are studied in relation to one another by analysis of multiple representations of functions with unrestricted domains as well as those with restricted domains.

Additionally, students further develop their statistical knowledge by studying the collection, analysis, and interpretation of data, and the connection to probability. This course will include all Common Core plus topics for Algebra II in the path of laying a foundation for future advanced and various mathematics courses.

### **2005 Pre-Calculus**

*Grade: 10 - 12*

*Credits: 1*

*Prerequisite: Algebra II*

This course is designed to prepare students for Calculus class (or a college calculus class). This course combines Pre-Calculus topics such as various functions, logarithms and trigonometry with differential calculus topics including limits, continuity, related rates, and max/min applications.

### **2004 AP Statistics (Weighted)**

*Grades: 11-12*

*Credits: 1*

*Prerequisite: Algebra II*

This statistics course is the equivalent to one in college level for motivated students who have completed at least Algebra II with a B or better grade. Topics include exploratory

analysis of data, planning observational studies and experiments with collection of data, producing statistical models using probability distributions, and statistical inference.

## **2006 Business Math**

*Grades: 12*

*Credits: 1*

*Teacher Recommendation only*

Business Mathematics is a two-semester course of which students learn to use mathematics effectively as a tool in their personal and business lives. After students have completed this course, they will be able to apply mathematical concepts in various personal and business situations. Student will review and apply mathematical operations with whole numbers, decimals, fractions, ratios, and percent. They will understand terminology relating to personal and business mathematics applications and apply basic math skills to the solution of both personal and business applications. They will use common mathematical formulas to solve a variety of personal and business mathematics as well as apply knowledge of computer and calculator use. **This course may be used to meet the mathematics requirements for graduation.**

## **AP Calculus AB (Weighted)**

*Grade: 11-12*

*Prerequisite: Pre Calculus*

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: functions, graphs, limits, and continuity; differential calculus (including definition, application, and computation of the derivative; derivative at a point; derivative as a function; and second derivatives); and integral calculus (including definite integrals and antidifferentiation).

# Science Sequence

**Advanced**

**Regular**

9<sup>th</sup>

Physical  
Science

Biology

10<sup>th</sup>

Biology

Chemistry

11<sup>th</sup>

Earth Science

12<sup>th</sup>

\*Subject to prereq

- Earth Sci
- Physics
- Honors C
- Honors B
- Environm  
Science
- Forensic

## Science

### **3000 Physical Science/Honors Physical Science (Weighted)**

*Grade: 9*

*Credits: 1*

*Prerequisite: None*

The Physical Science curriculum is designed to continue the investigation of the physical sciences begun in earlier grades. The Physical Science course will build a rich knowledge base to provide a foundation for the continued study of science. The investigations should be approached in a qualitative and quantitative manner in keeping with the developing mathematical skills of the students. The curriculum will integrate the following topics from both chemistry and physics: the structure of atoms, structure and properties of matter, motions and forces, and conservation of energy, matter, and charge.

### **3001 Biology/Honors Biology(Weighted)**

*Grade: 9, 10*

*Credits: 1*

*Prerequisite: If taking as a freshmen, an 85 or teacher recommendation from 8th grade teacher.*

This required course emphasizes three biological concepts: 1) Molecules and Cells, 2) Heredity and evolution, and 3) Organisms and Populations. Laboratory investigations, selected group projects and dissection are required

### **3007 Earth Science/Honors Earth Science( Weighted)**

*Grades: 11*

*Credits: 1*

*Prerequisite: Completion of Biology and physical Science*

This course is laboratory-based science class emphasizing the function of the earth's system. Emphasis is placed on the human interactions with the Earth's geologic and environmental systems, predictability of a dynamic Earth, origin and evolution of the Earth system and universe, geochemical cycles and energy in the Earth system. This course also acquaints students with astronomy concepts including basic facts about the Earth, moon, and stars.

### **3008 AP Physics (Weighted)**

*Grades: 12*

*Credits: 1*

*Prerequisite: Algebra II or concurrent*

This is a rigorous, math-based course that is the equivalent of 1 semester of college physics. Students will study the laws and concepts that govern the physical behavior of matter. This course will stress a lab based problem solving approach.

Good mathematical skills and laboratory techniques are required, along with a basic understanding of physical phenomena. The course will focus on linear and rotational mechanics, as well as simple harmonic motion..

### **3002 Chemistry**

*Grade: 12*

*Credits: 1*

*Prerequisite: Biology and completion or concurrent enrollment in Algebra I*

Chemistry is a course based on regular laboratory investigations of matter, chemical reactions, and the role of energy in those reactions. Students enrolled in Chemistry compare, contrast, and synthesize useful models of the structure and properties of matter and the mechanisms of its interactions. In addition, students enrolled in this course are expected to: (1) gain an understanding of the history of chemistry, (2) explore the uses of chemistry in various careers, (3) investigate chemical questions and problems related to personal needs and societal issues, and (4) learn and practice laboratory safety. This course also includes mathematical problem solving. Purchase of a calculator that can handle exponential numbers and logarithms is required.

### **Anatomy and Physiology**

*Grade:12*

*Credits: 1*

*Prerequisite: Completion of Physical Science, Biology, Earth Science*

Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

### **Marine Biology**

*Grade: 12*

*Credits:.5*

*Prerequisite: Completion of physical science, biology and earth science*

Aquaculture courses impart the knowledge and skills needed for producing fish, plants, and other species living in an aquatic environment, and course topics typically include the selection, propagation, harvesting, and marketing of those species. Instruction may also address aquatic and marine biology, ecosystems, water quality and management, and business practices.

### **Oceanography**

Grade:12

Credits: .5

Prerequisite: Completion of physical science, Biology and Earth Science

Courses in Marine Science focus on the content, features, and possibilities of the earth's oceans. They explore marine organisms, conditions, and ecology and sometimes cover marine mining, farming, and exploration.

### **Ecology**

Grade:12

Credits: .5

Prerequisite: Completion of physical science, Biology and Earth Science

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

### **Meteorology**

Grade:12

Credits: .5

Prerequisite: completion of physical science, biology and earth science

Meteorology courses examine the properties of the earth's atmosphere. Topics usually include atmospheric layering, changing pressures, winds, water vapor, air masses, fronts, temperature changes and weather forecasting.

### **Introduction to Engineering**

Grade: 9-12

Credits: 1 (general elective credit-this course does NOT as a science credit)

Prerequisites: none

This is an introductory course into the concepts of engineering. Students will learn facts about the engineering design process, engineering as a career, as well as participate in various engineering based projects and competitions.

## **Social Studies**

### **4000 World Geography**

*Grade: 9*

*Credit: 1*

This course is designed to give more knowledge of the world by identifying the five themes of geography (place, location, human-environment interaction, movement, and regions) within different regions. The study of our world's past as part of the general study of humanity will reveal historical, political, economic, social, and cultural relationships among the people of the world. An understanding of how past events relate to current events in an interdependent world will be stressed.

### **4001 AP Human Geography (weighted)**

*Grade: 9-11*

*Credit: 1*

*Prerequisite: Teacher recommendation*

The purpose of the Advanced Placement® (AP) course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. Students also learn about the methods and tools geographers use in their science and practice. Advanced Placement Human Geography (APHG) students will learn to think geographically and ask critical geographic questions. Students may elect to take the Advanced Placement Examination in May and possibly receive college credit based on exam results.

### **4002 World History**

*Grade: 10*

*Credit: 1*

Students will explore concepts, events, and personalities in world history from the Renaissance through World War II. The various events and personalities students explore will serve as examples for understanding the various important historical concepts in the course. Concurrently, students will develop skills critical to historical sources and historical study.

### **AP World History (Weighted)**

*Grade: 10*

*Credit: 1*

AP Modern World History is a rigorous college-level course structured towards periods 1200 CE to the present. Students will examine primary sources, such as documentary material, pictorial and graphic materials, maps, political cartoons, statistical tables, and works of art, exposure to both factual narrative and to the interpretations of World History from the perspectives of a variety of different writers and historians and will be examining how people have thought about and written about historical events over the course of time. Students will be provided with the opportunity to develop analytical and interpretive writing skills, practicing short answer questions, document-based and long essay question essays, and writing at least one essay in every unit. Students may elect to take the Advanced Placement Examination in May and possibly receive college credit based on exam results.

### **4003 Sociology**

*Grade: 11 (This is an elective course)*

*Credit: .5*

This course will focus on the study of how social life influences human behavior and how we interact with each other. This course will analyze a wide variety of subject matters from social norms and values, societal bias, racism, crime and deviance (going against social rules both big and small), religious traditions, gender and class divisions, and shared beliefs among cultures. The class will be discussion based where students will further develop their skills in reading, writing, critical thinking, and speaking.

### **4004 Psychology**

*Grade 11 (This is an elective course)*

*Credit: .5*

In this course we will look at mental and emotional processes based in the 8 perspectives of psychology; areas of emphasis will include methods of research, biological basis of behavior, learning, development, intelligence, and measurement, and psychological disorders. The aim of this course will attempt to help with the interpretation and understanding of how and why individuals behave in the manners they do. Students who demonstrate a heightened proficiency in this subject will be recommended to take the AP Psychology exam.

### **4005 Current Issues**

*Grade: 11 (This is an elective course)*

*Credit: .5*

This course is geared to students who want to know more about the world in which we live. Current trouble spots are examined, as well as age-old problems of civilization. Current issues having historical roots are explored and possible outcome scenarios developed. Emphasis is on the international aspect of the issue.

### **4006 Economics**

*Grade: 11 (This is an elective course)*

*Credits: .5*

This course covers the basics of economic analysis including topics such as supply and demand, theory of the consumer, producer theory, and externalities. It also covers topics such as inflation, unemployment, output, and business cycles. Students will also examine topics which are essential to functioning as a citizen in the economy. Topics include investments, taxes, saving, insurance, and consumer skills.

### **4007 US History/Honors US History (Weighted)**

*Grade: 11*

*Credit: 1*

The history of the United States is a course of major developments from post-reconstruction of our nation to the 90's. The study of our nation's past as part of the general study of humanity will reveal historical, political, economic, social, and cultural relationships among the people of the world. An appreciation of the national heritage of the U.S. and an understanding of how past events relate to current events in an interdependent world will be stressed.

- The Honors course is designed to provide enrichment for college-bound students. Emphasis is placed on advanced levels of interpretation and evaluation of historical material.

### **4005 American Government/Honors American Government (Weighted)**

*Grade: 12*

*Credit: 1*

*GRADUATION REQUIREMENT (taken senior year)*

Students will strengthen their understanding of the basic foundations of American government. They will further explore the powers and responsibilities of the various branches of the government and the interactions between them. Further, students will explore the interactions that the federal government has with foreign and state governments.

- The Honors course is designed to provide enrichment for college-bound students. Emphasis is placed on advanced levels of interpretation and evaluation of historical material.

## **Foreign Language**

### **5005 Spanish I**

*Grades: 9-12*

*Credit: 1*

*Prerequisite: None*

Spanish 1 will provide the student with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading and limited writing. There are two main objectives to the course. Foremost is to give the students the ability to carry on a simple conversation. The second is to provide the students with instruction that teaches a basic understanding of Spanish culture, vocabulary, and grammatical concepts.

### **5006 Spanish II**

*Grades: 9-12*

*Credit: 1*

*Prerequisite: Spanish 1 or teacher approval*

Spanish 2 builds upon knowledge gained in Spanish 1. This course will also reinforce the skills learned in Spanish I: listening, speaking, reading and writing. Emphasis is on perfecting pronunciation, mastery of the basic grammatical structures, and increased communicative proficiency. Acquisition of functional vocabulary is expected. Students will be exposed to the past tenses, future, conditional and subjunctive mood. Students will be expected to apply them in their writing and speaking.

### **5007 Spanish III**

*Grades: 10-12*

*Credit: 1*

*Prerequisite: Spanish 1 & 2 or instructor approval.*

This course builds upon knowledge gained in Spanish 1 & 2. The course is a continuation and recycling of knowledge acquired in Spanish 1 and Spanish 2, as well as an introduction to new vocabulary, structures and expressions. Students will be expected to expand their vocabulary range to include more sophisticated terms, use advanced language expressions, verb tenses and grammatical concepts such as the pluperfect and the subjunctive mood. Students will view Spanish language films and read selected Spanish literature.

### **5008 Spanish IV**

*Grade: 9-12*

*Credit: 1*

*Prerequisite: Spanish 1-3 or instructor approval*

Spanish IV courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Spanish IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

## **Physical Education and Health**

### **5001 Lifetime Fitness**

*Grades: 9-12*

*Credits: 1*

*Prerequisites: None*

This course provides students the opportunity to enhance their learning of personal fitness concepts and principles through a developmentally appropriate physical education elective program aligned with the Physical Education Content Standards for Colorado. The focus of this course is the development of fitness knowledge, fitness principles, fitness strategies and fitness skills; positive nutrition concepts and principles; and the application of psychological and sociological concepts, including self-responsibility, positive social interaction, and group dynamics; the assessment and maintenance of physical fitness and nutrition to improve health and performance; in the learning and performance of physical fitness and nutrition activities. Units of activity include: physical fitness (activities and assessment, concepts, development and maintenance); and cooperative activities.

### **5002 Individual, Dual, & Team Sports**

*Grades: 9-12*

*Credits: 1*

*Prerequisites: none*

The individual, dual, and team sports course will provide a background in a broad base of activities (Volleyball, softball, soccer, football, basketball, badminton, physical fitness, team handball, and others)> Students will be introduced to a variety of activities appropriate for lifetime involvement. This course will allow the students to improve their basic skills and be introduced to advanced skills in individual, dual, and team sports, while providing them with the knowledge of rules and strategies related to the activities. Each student is required to dress out for daily participation. Proper gym clothes are required.

### **5003 Athletic Weight Training**

*Grades: 9-12*

*Credits: 1*

*Prerequisite: Basic Weight Training or instructor approval*

The goal of this course is to teach a variety of skills and techniques of resistance training to enhance strength, speed, power, flexibility, mental fitness and overall conditioning of the student. The course will address health-related fitness components of : body composition, muscular strength, muscular endurance, flexibility and cardio endurance. The course will also address skill-related fitness components of: speed, power, agility, balance, reaction time, and coordination. Students will be able to identify muscles used during fitness activities and proper nutrition to lead a healthy lifestyle. Advanced and or weight training is for athletes that want to gain a competitive edge on their competition and students who want to be in better physical condition. This course will be organized as if it were a competitive sport here at Ellicott High School. Students will be involved in speed and agility, plyometric, strength training and circuit training exercises.

### **5004 Health and Character Education**

*Grades: 9-12*

*Credits: 1*

*Prerequisites: None*

This course is designed to assist students in obtaining accurate information, developing lifelong positive attitudes and behaviors, and making wise decisions related to their personal health. Study will include personal and community health; mental, emotional, and social health; injury prevention and safety, nutrition and physical activity, alcohol, tobacco, and other drugs; growth, development, and sexual health. Central themes are the acceptance of personal responsibility for lifelong health, respect for and promotion of the health of others, an understanding of the process of growth and development, and informed use of health-related information, products, and services.

## **5000 Basic Weight Training**

*Grades: 9-12*

*Credits: 1*

*Prerequisites: none*

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance and sprint activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, speed and agility training, and overall fitness training and conditioning. Course includes both coaching/teaching and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

## **Electives**

The electives section is structured according to what type of elective is offered. For the 2017-2018 school year we have three basic sections for electives: fine arts, language arts, and vocational.

### ***Fine Arts Electives***

## **6000 Studio I**

*Grades: 9-12*

*Credits: 1*

*Prerequisites: None*

Introduces students to the Elements of Art and Principles of Design while developing drawing skills and painting techniques. Studio experiences in the classroom will give students opportunities to experience a variety of media (pencil, pen, ink, charcoal, pastel, watercolor, and tempera paint) while developing student's individual style and creative problem solving skills. Students will demonstrate their ability to respond, to analyze and to interpret their own artwork and the work of others through discussions, critiques, and writings.

## **6001 Three Dimensional (3D) Art**

*Grades: 10-12*

*Credits: 1*

*Prerequisites: studio I*

3-D Art students are expected to become independent thinkers and to apply their knowledge of the elements and principles to their work in a variety of media (clay, wire, paper mache, found objects, etc) in order to demonstrate mastery of three-dimensional design skills and concepts.

## **7001 Concert Choir**

*Grades: 9-12*

*Credits: 1*

*Prerequisites: None*

Students learn the fundamentals of vocal performance. During the year the students will be exposed to a wide variety of music and styles of singing while learning to read vocal music scores and vocal technique in a choir setting. Students will have a chance to sing with other schools in the annual Black Forest League Concert as well as participate in honors choirs at different Colorado Colleges.

## **7000 Concert Band**

*Grades: 9-12*

*Credits: 1*

*Prerequisites: Experience preferred but not required with teacher approval*

Students play a woodwind, brass, or percussion instrument within a large ensemble.

During the year the students will play Pep Band music at football games, have opportunities to audition and travel to honor band events, and perform at CHSAA Solo and Ensemble. Students will have a chance to sing with other schools in the annual Black Forest League Concert. Students encouraged to have 1-2 years minimum experience.

## ***Other Electives***

## **1006 Yearbook/Marketing**

*Grades: 10-12*

*Credits: 1*

*Prerequisites: none (application process for certain roles within class)*

Yearbook is a production-based elective course that creates the Ellicott High School yearbook. Because the staff is solely responsible for the content, design, layout, and sale of the book, students who choose to be a part of this business must ensure that it runs efficiently and effectively. Staffers must be cooperative, punctual, professional, creative, and productive. Students are responsible for taking digital photos, conducting interviews, managing clerical operations, making announcements, maintaining signage, and composing, designing, and editing all elements of text, graphic art, and digital photography layouts. This course requires students to be sometimes available outside of regular class hours to attend sporting events, student activities, etc. Students are expected to be organized, motivated, and possess strong reading and writing skills upon entering the class.

## **1010 PALS and Peer Mediation (Peers Making Peace)**

*Grades: 11-12*

*Credit: 1*

*Prerequisite: Application process*

The PAL® course taps into the potential of youth to make a difference in their lives, schools and communities. It nurtures and builds capacities to help youth increase resiliency and build protective factors to help them achieve in school and social situations, which lead to a productive life. Students will create environments where they will participate in productive pursuits with other peers, using positive decision making, higher order thinking skills, and resiliency building skills. Positive peer influence is utilized as a central strategy for addressing issues like bullying, low achievement, at-risk youth, drop-out prevention, substance abuse prevention, teen pregnancy, suicide, absenteeism, behavior problems, and other community issues. In addition, the students will receive additional training peer mediators. This training equips and empowers students to resolve conflicts on campus in the areas of bullying, peer conflict, and violence prevention. Through service learning projects, these classes provide conflict resolution services to middle and elementary schools. This course is open to juniors and seniors.

### ***Career and Technical Education Electives***

## **8005 Computer-Aided Drafting (CAD)\***

*Grades: 9-12*

*Credits: 1*

*Prerequisites: none*

Explores careers within construction trades and architectural design. Students apply technical skills to create working drawings and computer simulations for a variety of applications. Class instructions includes specification interpretation, dimensioning techniques, drafting calculations, material estimation, technical communications, computer applications and interpersonal communications. Instruction also includes computer assisted design and drafting to create two dimensional and three-dimensional engineering designs using Revit Basic.

### **8004 Construction Trades I\***

*Grades: 10-12*

*Credits: 1*

*Prerequisite: Geometry recommended*

This course covers basic carpentry terminology and develops technical aspects of carpentry with emphasis on development of introductory skills. This course introduces students to basic skills and knowledge related to residential carpentry. Topics include blueprint reading, estimating, wood, metal and concrete building materials; fasteners; hand and power tools; fabrication based on construction plans; framing of platform and post and beam construction. English language arts and mathematics are reinforced. This course gives students an introduction to the skill and knowledge base typically required for apprentice carpenters. Community service and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

### **8000 Introduction to Business \***

*Grades: 9-12*

*Credits: 1*

*Prerequisite: None*

This course will introduce students to what a business is, how it operates, and how it is managed. Students will identify forms of ownership and the processes used in production and marketing, finance, personnel and management in business operations. Learn the

fundamentals of business. Discover how your favorite business is run from start to finish. Build your understanding through integrating vocabulary terms and in classroom debates. Start your own business and find out if you have what it takes to survive in global industry.

### **8001 Sports and Entertainment Marketing**

*Grades: 9-12*

*Credits: 1 per year*

*Prerequisite: Introduction to Business*

This is an exploratory course providing the students with the knowledge and skills needed for a career in the field of sports, entertainment, and/or recreational marketing. The function of sports marketing is to determine the interests of the consumer and plan a product or service that the spectator will buy. Students will utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. The course will provide each student with real world learning opportunities and instruction related to selection, development, and maintenance of individual marketing education programs. Students are encouraged to become active members of the student organization DECA, the national student organization for those enrolled in marketing education. The course will utilize relevant DECA activities to support experiential learning.

### **70002 Personal Finance**

Grades 9-12

Credits: 1 per year

Prerequisites: none

This course provides students with an understanding of the concepts and principles involved in managing one's personal finances. This course emphasizes lifespan goal-setting, individual and family decision making, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. This course may also investigate the effects of the global economy on consumers and the family.

### **70001 Computer Applications**

Grades: 9-12

Credits: 1 Per Years

Prerequisites: none

In Computer Applications, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. This course explores a wide range of

applications, including (but not limited to) word-processing, spreadsheet, presentation, graphics, and database programs. Course may also cover the use of electronic mail and online collaborative software.

**ECCO: B & C**

**Grades 10-12**

**Credits: 1**

**Prerequisites: none**

ECCO stands for: **Ellicott Creative Communications Outreach**

**ECCO** will teach business and creative foundations with a focus on Yearbook Creation, Marketing Communications, and Business & Strategic Planning. Our vision is to reach out to the Ellicott and eastern El Paso County business community, partnering to create content that will build our local economy. The course will prepare our students with life and occupational skills, time management and workforce principles. Through this outreach program class, we will work on developing the following projects:

1. the Annual High School Yearbook
2. Internal Newsletters & Flyers, Broadcast Announcements, Advertisements for Local Businesses as well as Website Design and Social Media Strategies.

***The primary goal of this class is two-fold—***

**1) GIVE BACK:** We want to give back to the community that has supported and encouraged us for so many years. Through this new effort, we will support the small business community that has done the same for EHS over the years.

**2) GROW:** We want to grow the opportunity and knowledge of EXPERIENCE that will come from this class. ECCO will be a benchmark for what other school programs could be. The initial “products” for ECCO will be Yearbook and Internal District Communications. The long term goals are things like broadcasting projects, advertising and promotional campaigns, and business plans.

This class will have TWO primary tracks: 1) Business and 2) Creative. “ECCO B” and “ECCO C.” Please indicate which track you are more interested in joining first. However, during the school year, the classes will be mixing together often and giving all students in the ECCO program the opportunity to learn equilaterally.

**8003 Welding Technology\***

*Grades: 9-12*

*Credits: 1 per year*

*Prerequisites: None*

This program will allow students to participate in Welding Technology up to eight semesters. The student will be trained in the areas of OAW, SMAW, GMAW, and GTAW. Upon completion of the basic classes the student will be trained in OAC, PAC, Blueprint Reading, and Math for Welders. Also, with the articulation agreement students will be given the opportunity to transition to the post-secondary level upon graduation. **Required items: Welding Gloves, Denim Pants, Long Sleeved Shirt, Paper, Pen, Combination Padlock, Leather Boots**