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8th Grade Course Planning

Name: _____

Corbett School District has a unique model for preparing students for the rigor and challenge of high school: The 8-9 Academy. The intent of this model is to provide students with a full year to build the skills around attendance, grades, homework, test preparation, and self-reliance. This allows for an opportunity for teachers to get to know their students, and to develop solid supports to establish success for 9th grade and beyond.

8th graders will not earn high school credit in any classes except for Precalculus, Calculus AB, Calculus BC, Spanish 1, Spanish 2, and/or AP Spanish.

8th graders have 7 required courses, and one elective. The Personal Development and PE course will take place everyday for ½ of a block period.

8th Grade Course Plan

1. 8-9 English
2. Math
3. 8th Social Studies
4. 8-9 Physical Science
5. Intro Spanish
6. 8th PE
7. Personal Development
8. Elective _____

8th Grade Elective Choices

Intro Culinary Arts
Intro Computer Science
Intro to Engineering
Art 8th
Concert Band
Strings
Drama and Theater Management
Choir

9th-12th Grade Course Planning

Name: _____

The Corbett Diploma requires 4 AP courses, students should consider which classes they would like to take for AP credit. Students should also determine how they will earn their PE credit in creating their 4-year plan.

| | |
|---|--|
| <p><u>9th Grade Course Plan Year: _____</u></p> <ol style="list-style-type: none"> 1. 8-9 English 2. Math _____ 3. AP Human Geography 4. 8-9 Physical Science 5. Health 6. Spanish (Intro, 1, or 2) 7. Elective (FA) _____ 8. Elective _____ | <p><u>10th Grade Course Plan Year: _____</u></p> <ol style="list-style-type: none"> 1. 10th English 2. Math _____ 3. AP/HS World History 4. AP/HS Computer Science Principles 5. Spanish (1, 2, or AP) 6. Elective (FA) _____ 7. Elective _____ 8. Elective _____ <p>*AP Seminar required for those pursuing Honors Diploma; open to all.</p> |
|---|--|

| | |
|---|--|
| <p><u>11th Grade Course Plan Year: _____</u></p> <ol style="list-style-type: none"> 1. AP/HS Literature and Composition 2. Math _____ 3. AP/HS US History 4. Science _____ 5. Spanish (1, 2, or AP) 6. Elective _____ 7. Elective _____ 8. Elective _____ <p>*Middle College or Work Study *AP Research for Honors Diploma</p> | <p><u>12th Grade Course Plan Year: _____</u></p> <ol style="list-style-type: none"> 1. AP/HS Language and Composition 2. Math _____ 3. AP/HS Government 4. Science _____ 5. Elective _____ 6. Elective _____ 7. Elective _____ 8. Elective _____ <p>*Middle College or Work Study *4th Year of Spanish for Honors Diploma *AP Research for Honors Diploma</p> |
|---|--|

Graduation Requirements

Students will develop four-year plans with their homeroom teachers, families, and counselors. This will help the student to be thoughtful in choosing a course pathway that will help them be successful in reaching their post-secondary goals. For additional information about Corbett High School policies, please see the Corbett High School Handbook on the [Corbett High School Website](#).

In order to earn the Corbett 28 credit, **standard** diploma, the following credit units must be completed:

| Category | Credit Requirement |
|----------------|--------------------|
| Language Arts | 4.0 |
| Mathematics | 4.0 |
| Social Studies | 4.0 |
| Science | 4.0 |
| Fine Arts | 2.0 |
| World Language | 2.0 |
| Health | 1.0 |
| PE | 1.0 |
| Electives | 6.0 |
| Total | 28.0 |

**Corbett High School Course Catalog - Subject to Change
2022-2023**

In order for students to earn Corbett High School's 28 credit, college-eligible, **Honors** diploma, the following credit units must be completed:

| Category | Credit Requirement |
|---|---------------------------|
| Language Arts (including AP Literature and AP Language and Literature) | 4.0 |
| Mathematics | 4.0 |
| Social Studies (including AP Human Geography, AP US History and AP World History) | 4.0 |
| Science | 4.0 |
| Fine Arts | 2.0 |
| World Language | 4.0 |
| Health | 1.0 |
| PE | 1.0 |
| AP Seminar and AP Research* | 2.0 |
| Electives* | 2.0 |
| Total | 28.0 |

COURSE CREDIT LISTING

| Credit | Course Name | Grades Available |
|---------------------|---|--|
| Language Arts (LA) | 8-9 English 10th English AP/HS Language and Composition (22-23, 24-25) AP/HS Literature and Composition (23-24, 25-26) | 8th, 9th 10th 11th, 12th 11th, 12th |
| Mathematics (MA) | Pre-Algebra Algebra 1 Geometry Algebra 2* Pre-Calculus* Calculus AB* Calculus BC* AP/HS Statistics | 8th 8th, 9th 8th, 9th, 10th, 11th, 12th 8th, 9th, 10th, 11th, 12th 8th, 9th, 10th, 11th, 12th 8th, 9th, 10th, 11th, 12th 8th, 9th, 10th, 11th, 12th 11th, 12th |
| Social Studies (SS) | 8th Grade Social Studies AP Human Geography AP/HS World History AP/HS US History AP/HS Government AP Psychology (23-24, 25-26) AP Art History (22-23, 24-25) | 8th 9th 10th 11th 12th 10th, 11th, 12th 10th, 11th, 12th |
| Science (SC) | Physical Science 8-9 AP/HS Principles of Computer Science Chemistry (23-24, 25-26) Ecology (22-23, 24-25) AP Biology (22-23, 24-25) AP Environmental Science (24-25, 26-27) Physics | 8th, 9th 10th 11th, 12th 11th, 12th 11th, 12th 11th, 12th 10th, 11th, 12th |
| Fine Arts (FA) | Strings Concert Band Wind Ensemble* Cardinal Choir Drama and Theater Management Art: Breadth Studio Art and Design AP Art and Design AP Art History (22-23, 24-25) Culinary Arts | 8th, 9th, 10th, 11th, 12th 9th, 10th, 11th, 12th 9th, 10th, 11th, 12th 8th, 9th, 10th, 11th, 12th 8th, 9th, 10th, 11th, 12th 8th 9th, 10th, 11th, 12th 9th, 10th, 11th, 12th 9th, 10th, 11th, 12th 10th, 11th, 12th |

**Corbett High School Course Catalog - Subject to Change
2022-2023**

| | | |
|----------------------------|---|--|
| | Woodworking 1 Woodworking 2,3* | 10th 11th, 12th |
| World Language (FL) | Intro to Spanish Spanish 1 Spanish 2* AP Spanish* | 8th, 9th, 10th 8th, 9th, 10th, 11th, 12th 9th, 10th, 11th, 12th 9th, 10th, 11th, 12th |
| Health (HE) | Health | 9th |
| Physical Education (PE) | Yoga Weightlifting Walking for Fitness Credit by Proficiency | 10th, 11th, 12th 10th, 11th, 12th 9th, 10th, 11th, 12th 9th, 10th, 11th, 12th |
| Electives (EL) | AP Seminar AP Research* Intro to Culinary Arts Intro to Computer Science AP Computer Science A* Computer Science 3* Intro to Engineering Materials and Manufacturing 1 Materials and Manufacturing 2* Industrial Design and Control* Office Aide School-Aged Education Aide Early Childhood Education Aide Kitchen Management Aide Teacher Aide Any course taken over and above the graduation requirements counts as an elective. *Courses that have prerequisites, see course description for more information. | 10th, 11th, 12th 11th, 12th 8th, 9th 8th, 9th 9th, 10th, 11th, 12th 11th, 12th 8th, 9th 9th, 10th, 11th, 12th 10th, 11th, 12th 10th, 11th, 12th 11th, 12th 8th, 9th, 10th, 11th, 12th 8th, 9th, 10th, 11th, 12th 11th, 12th 10th, 11th, 12th |
| NON-Credit bearing Classes | Study Hall | 9th, 10th, 11th, 12th |

CAPSTONE COURSEWORK

AP Capstone is a diploma program from the College Board that equips students with independent research, collaborative teamwork, and communication skills. AP Seminar is the foundational, prerequisite class that introduces students to the skills necessary to complete the second course in the program, AP Research.

AP SEMINAR

Grades 10, 11, 12

Elective Credit

AP Seminar gives students the opportunity to explore the complexities of real world problems by examining them from divergent perspectives and multiple voices. Students explore, read, and analyze academic articles, studies, and journals as well as literary and philosophical texts, and other forms of artistic expression. Students evaluate and consider the points and arguments provided around a single topic through multiple sources and mediums. After close analysis, students then synthesize these texts and sources to create their own arguments which are presented in written essays and oral presentations. The course aims to equip students with the skills necessary to evaluate and analyze relevant, meaningful information to create their own evidence based arguments.

Students must meet all College Board submission deadlines to receive credit for the course.

AP RESEARCH

Grades 11, 12

Elective Credit

AP Research is the second course in the AP Capstone Program and builds on the skills mastered in AP Seminar, the required prerequisite for the course. The class allows students the opportunity to deeply explore a topic of personal interest by designing, planning, and implementing a year long investigation to address their unique research question. Over the school year, students cultivate the skills and discipline required to conduct independent research and to produce and defend their own scholarly work. This achievement will be demonstrated in a 4,000-5,000 word academic paper and a 15-20 minute presentation and oral defense, both of which are submitted to the College Board in late April. **All students will meet all College Board submission deadlines to receive credit for the course.**

CAREER TECHNICAL EDUCATION

Career Technical Education (CTE) provides students with the academic and technical skills, knowledge and training necessary to succeed in future careers and to become lifelong learners.

CULINARY ARTS

INTRODUCTION TO CULINARY ARTS

Grades 8, 9

Elective Credit

Culinary Arts 8/9 is designed to introduce you to Culinary Arts, through hands-on skill training, personal exploration projects, and assignments relevant to the course. We will be learning about current issues and trends in the industry, the relationship between culture and cuisine, and other aspects of the Culinary field.

CULINARY ARTS

Grades 10, 11, 12

Fine Art Credit

Culinary Arts is designed to introduce you to the skills and environment of a Culinary Professional, through hands-on skill training, practical experience, and assignments relevant to the course. We will be exploring current issues and trends in the industry, the relationship between culture and cuisine, and other aspects of the Culinary field.

COMPUTER SCIENCE

INTRODUCTION TO COMPUTER SCIENCE

Grades 8, 9

Elective Credit

Students will learn to create computer programs using Scratch and JavaScript, and create websites using HTML and CSS to create interactive stories, games, animations, and other creative projects.

AP/HS PRINCIPLES OF COMPUTER SCIENCE

Grade 10

Science Credit

This course introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. With a unique focus on creative problem solving and real-world applications, this computer science course gives students the opportunity to explore

several important topics of computing using their own ideas and creativity, use the power of computing to create artifacts of personal value, and develop an interest in computer science.

This is Corbett High School's 10th grade science class.

Students and families will choose the AP or HS level of this course in October. AP level students will be expected to take the AP test funded by the district.

AP COMPUTER SCIENCE A

Grades 9, 10, 11, 12

Elective or Mathematics Credit

In this course, students will learn the Java programming language, which has been the most popular programming language in the world for years and is used everywhere (websites, personal computing, data analysis, machine learning, artificial intelligence, game consoles, supercomputers, and smartphones). Average salary for Java developers: \$107,000. Students will practice the computer science skills of designing, developing, and analyzing their own programs to address real-world problems. Most of the coursework will be done in class, but some projects may require time outside of class to complete. The course grade is composed of real-world programming projects, quizzes, and exams.

Requirements: Students must have completed Algebra 1 **and** must have successfully completed Introductory Computer Science course or Computer Science Principles.

AP level students will be expected to take the AP test funded by the district.

COMPUTER SCIENCE 3

Grades 11, 12

Elective Credit

In this course, students will continue to build their computer science skills, choosing from a range of options in Python, Javascript, Java, Lua, and C++. Students are free to choose a path that fits their interests, such as building dynamic websites and web apps, video games, Android apps, robotics programming, machine learning, automation, etc. Most of the coursework will be done in class, but some projects may require time outside of class to complete. The course grade is composed of real-world programming projects, quizzes, and exams.

Can be taken again as Computer Science 4, where students can continue to explore computer science.

Requirements: Students must have completed Algebra 1 **and** must have successfully completed Computer Science Principles.

ENGINEERING AND MANUFACTURING

INTRODUCTION TO ENGINEERING

Grades 8, 9

Elective Credit

Introduction Engineering will explore how engineers make a difference and improve lives, while using modern engineering tools, such as geographic information systems, 3-D solid modeling software, and prototyping equipment. Work on your own and as part of a team to develop solutions to community and global challenges that the next generation of engineers will face. Building enthusiasm for and a real understanding of role, impact, and practice of engineering is a primary goal of the course. Topics covered are the engineering design process, physics and analysis of static and dynamic mechanical systems, electromechanical systems (robots), mapping, planning and graphical information systems.

MATERIALS AND MANUFACTURING 1

Grades 9, 10, 11, 12

Elective Credit

Students will learn the fundamentals about modern manufacturing methods and techniques. In the process we will investigate a wide range of types of materials and the products they are made from. This includes basic techniques of working with wood, plastics, and metals. Safety protocols and use of machines involved in working with these materials will be taught as well. Students will have the opportunity to tour local manufacturing facilities and engage with employers. Students will also gain exposure to managing a small manufacturing business as they take charge of developing, designing, producing and selling products manufactured in class.

MATERIALS AND MANUFACTURING 2

Grades 10, 11, 12

Elective Credit

The second year of Materials and Manufacturing. Students will have the opportunity to develop independent projects, and further their understanding of industrial processes.

INDUSTRIAL DESIGN AND CONTROL

Grades 10, 11, 12

Elective Credit

In this elective, students will learn about the design, creation, and implementation of small and large industrial scale machines. This process will foster skills used in many different STEM-career related areas such as engineering, computer programming, manufacturing, wood shop and machine shop. Students will then demonstrate their acquired knowledge and skills as they represent our school in the FIRST Robotics Competition. As a student managed competitive team, there will also be opportunities to engage in video production, social media management, business management, and marketing. In 2021, over \$80 million in scholarships are available for students participating with FIRST. Participation

has also led to internships (some paid) at local facilities of companies such as Boeing, DW Fritz Automation, Autodesk, and others.

Completion of a previous woodworking, computer science or engineering course is recommended, but not required.

WOODWORKING

WOODWORKING 1

Grades 10, 11, 12

Fine Art Credit

Woodworking 1 introduces students to the foundational concepts, skills, and processes of woodworking, including measurement, materials, basic hand/power tools usage, basic joinery, layout, assembly, finishing, and shop safety. The projects are designed to build a holistic understanding of woodworking, from concept to design to finished product.

WOODWORKING 2

Grades 11, 12

Fine Art Credit

Woodworking 2 develops intermediate concepts, skills, and processes of woodworking, including the different properties of various wood species, as well as intermediate hand/power tools usage, joinery, layout, assembly, and finishing. Students will also learn to interpret design specifications into sketches and 3D software modeling.

WOODWORKING 3

Grades 12

Fine Art Credit

Woodworking 3 develops advanced concepts, skills, and processes of woodworking, including advanced hand/power tools usage, custom jigs, joinery, layout, assembly, and finishing. Students will learn to conceive and develop projects from scratch, including research and sophisticated sketches and 3D software modeling.

ENGLISH LANGUAGE ARTS

English Language Arts courses are aligned with Oregon state standards, and fulfill Language Arts credits for grades 9-12.

8-9 ENGLISH

Grades 8-9

Language Arts Credit

A two-year loop, all 8th and 9th grade students take this English course. This course aims to give students a firm foundation in reading, writing, and speaking that will prepare students both for further English courses and the work they will be asked to do across the curriculum. Students will study a variety of literature from around the world, including both literary and non-fiction works. They will also work on producing narrative, explanatory, and argumentative pieces of writing.

10th ENGLISH

Grade 10

Language Arts Credit

10th English is a Language Arts class that is aligned to the Common Core State Standards (CCSS) and aims to further develop students' skills in reading, writing and speaking, in preparation for work they will do across the curriculum. Students will study a variety of literary genres (short stories, novels, autobiography, essay, drama and poetry), as well as write about the literature they read. Composition and mechanics will continue to be a focus as students develop writing in various modes, including expository, research and argumentative writing techniques.

AP/HS LANGUAGE AND COMPOSITION

Grades 11, 12

Language Arts Credit

Offered in alternating years (22-23, 24-25, etc)

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compare and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts - including images as forms of text - from a range of disciplines and historical periods. *Students and families will choose the AP or HS level of this course in October. AP level students will be expected to take the AP test funded by the district.*

AP/HS LITERATURE AND COMPOSITION

Grades 11, 12

Language Arts Credit

Offered in alternating years, (23-24, 25-26, etc)

Students will explore a wide range of fiction, drama, and poetry, examining the way authors use character, setting, plot, theme, figurative language, and other elements, to portray human experiences. The class will function as a community of learners. Students will learn from each other, read their writing aloud, work collaboratively on revisions, and share their thoughts, ideas, and observations with one another during class discussions.

Students and families will choose the AP or HS level of this course in October. AP level students will be expected to take the AP test funded by the district.

ENGLISH LANGUAGE DEVELOPMENT

Grades 8, 9, 10, 11, 12

Elective Credit

ELD emphasizes speaking and listening skills, but also provides opportunities for applying the lessons to reading and writing. Placement in these sections is by teacher recommendation based on a portfolio of information that may include language proficiency assessments such as ELPA, Woodcock-Munoz, ADEPT, and a writing sample scored with a writing rubric correlated to the ELP standards

FINE/PERFORMING ARTS

All of the courses in this category will fulfill Fine/Performing Art credit for grades 9-12.

Visual Art

ART: BREADTH

Grade 8

With projects ranging from naturalistic drawing to logo design, this is a great way for students of all levels to experience the joy of making 2-D visual art. Students will build confidence in their abilities and ideas, and develop their powers of perception. Students will be introduced to fundamentals of drawing from observation, elements and principles of design while working with materials like scratchboard and watercolor. Curiosity, collaboration and creativity is encouraged with self and peer reflection. No prior art courses are required.

STUDIO ART AND DESIGN

Grades 9, 10, 11, 12

Fine Arts Credit

Students will explore a broad range of approaches, techniques and goals with drawing and design. We will focus on making thoughtful artistic choices, develop our craft, and reflect on our artwork as a class to continue to support curiosity, creativity and collaboration. The year will begin with an emphasis on traditional fundamentals of realistic drawing and transition toward more abstract and surreal approaches by second trimester. Students will finish the year with a portfolio that includes a wide range of strengths, as well as at least three works that may serve as the start of a “Sustained Investigation” for AP Studio Art. This course will explore concepts and techniques introduced in Art: Breadth in 8th grade, however no prior experience with art is required.

AP ART AND DESIGN

Grades 9, 10, 11, 12

Fine Arts Credit

Students will conduct an in-depth, sustained investigation of materials, processes, and ideas. In pursuing their own artistic objectives, process and “language” for their year-long project, students will develop the skills that artists and designers use, and create a portfolio of work that is assessed to produce their AP score. Although the majority of class time will be allocated for independent studio work, students should also plan to work outside of class time to meet deadlines for their work. Students will present their work to their peers as they develop it throughout the year. Prior art experience is recommended.

AP level students will be expected to take the AP test funded by the district.

AP ART HISTORY

Grade 10, 11, 12

Fine Arts Credit

This course is offered on an every-other-year basis. (22-23, 24-25, 26-27), and can count as a Social Studies or Fine Arts credit.

The stories we tell through art are inherent to the human experience, from cave paintings to Tik Tok. This course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history.

AP level students will be expected to take the AP test funded by the district.

INSTRUMENTAL MUSIC

CONCERT BAND

Grades 8, 9, 10, 11, 12

Fine Arts Credit

Students will demonstrate understanding of basic musical skills and concepts of musical theory through performance and applied knowledge (assignments). Previous experience with an instrument is recommended. During each trimester members of the ensemble will work toward multiple performances, as individuals, small ensembles and as a single band. **Graded events will take place outside the regular school day.** Students will perform standard and contemporary musical literature. Musicians will be expected to demonstrate independent learning and leadership skills. Music will be selected with the intention of motivating students of a variety of interests and ability levels.

WIND ENSEMBLE

Grades 9, 10, 11, 12

Fine Arts Credit

Membership through audition only. Auditions will occur in the spring. Students will demonstrate understanding of intermediate to advanced musical skills and concepts of musical theory through performance and applied knowledge (assignments). During each trimester members of the ensemble will work toward at least one performance. Musicians will also work as individuals and small ensembles for various performances, including OMEA and OSAA events. **Graded events will take place outside the regular school day.** Students will perform standard and contemporary musical literature. Musicians will be expected to demonstrate independent learning and leadership skills. Music will be selected with the intention of motivating students of a variety of interests. Musicians will represent the school and community at various regional and possibly national events. Students may travel out of state as a part of this class. If students plan to travel with the band they will be expected to help with fundraising. Wind Ensemble currently plans to travel out of state in 2023.

STRINGS MUSIC

STRING ORCHESTRA

Grades 8, 9, 10, 11, 12

Fine Arts Credit

This course is for students interested in continuing their skills on a stringed instrument - violin, viola, cello, or bass. Some experience with violin, viola, cello, or string bass is recommended. Music repertoire from varied time periods, with an intermediate to advanced level of proficiency, will be performed several times throughout the year.

BEGINNING HIGH SCHOOL STRING ORCHESTRA

Grades 8 & 9

Fine Arts Credit

Students who have no experience in this field, but are highly motivated and interested in learning the fundamentals of violin, viola, cello, and bass, are encouraged to register for this class. Basics will include the playing of simple melodies and note reading competently in several keys, while developing good posture, intonation, tone, rhythm and internal pulse. There will be concerts performed in the winter and spring, along with other ensemble recitals and musical opportunities.

THEATER ARTS

DRAMA AND THEATER MANAGEMENT

Grades 8, 9, 10, 11, 12

Fine Arts Credit

Academic course exploring the world of Theater Arts—on stage, back stage, and front of house. Students will not be required to participate in extracurricular performances, but will need to perform in front of classmates throughout the course of the year.

VOCAL MUSIC

CARDINAL CHOIR

Grades 8, 9, 10, 11, 12

Fine Arts Credit

Students will demonstrate understanding of basic musical skills and concepts of musical theory through performance and applied knowledge (assignments). During each trimester members of the ensemble will work toward at least one concert. Musicians will also work as individuals and small ensembles for various performances, including OMEA and OSAA events. **Graded events will take place outside the regular school day.** Students will perform standard and contemporary musical literature. Musicians will be expected to demonstrate independent learning and leadership skills. Music will be selected with the intention of motivating students of a variety of interests. Musicians will represent the school and community at various regional and possibly national events. Students may travel out of state as a part of this class. If students plan to travel with the choir, they will be expected to help with fundraising. Choir currently plans to travel out of state in 2023.

MATHEMATICS

PRE-ALGEBRA

Grade 8

In Pre-Algebra, we lay the foundation for success in Algebra I by writing, solving and graphing basic linear equations and inequalities, examining basic functions and sequences, introducing exponents, radicals and irrational numbers and solving basic exponential equations. **By instructor placement only.**

ALGEBRA 1

Grades 8, 9

Mathematics Credit

In Algebra I, we solidify the skills that have been taught in previous years and lay the foundation for future math classes. We will write, solve and graph linear equations, inequalities and functions. We will learn exponential properties and operations with exponents and examine exponential growth and decay. Finally, we multiply and factor quadratic equations and write and solve quadratic functions.

GEOMETRY

Grades 8, 9, 10, 11

Mathematics Credit

In this course, we will make use of previous knowledge in order to delve into higher-level problem solving. We will study geometric figures and principles by understanding shapes, lines, angles, 3D figures, and more. This class ties in geometric knowledge with algebraic knowledge, as well as provides a deeper look at quadratic functions and function operations. This class will provide a foundational and applied understanding of concepts that will appear in Algebra 2.

ALGEBRA 2

Grades 8, 9, 10, 11, 12

Mathematics Credit

This course will be a continuation of the foundational skills learned in Algebra 1. We will examine function families, examining function properties through factoring, inverses, graphing, and more. We will also take a look at solving more complex equations involving fractions, roots, and multiple variables. This course will serve to solidify and improve upon foundational skills necessary for precalculus, calculus, and even statistics.

PRE-CALCULUS

Grades 8, 9, 10, 11, 12

Mathematics Credit

Precalculus includes an in-depth study in algebraic, numerical, graphical representations of the twelve parent functions. Students connect these concepts to a variety of “real world” application problems. Regular usage of the graphing calculator will be an integral part of the program. We will also develop our skills in visualization, constructing mathematical arguments, and using algebra/trigonometry to efficiently solve problems.

AP/HS STATISTICS

Grades 11, 12

Mathematics Credit

Students will explore relationships between real-world phenomena through statistics. In this course, we will practice designing experiments, making claims about relationships, and conducting statistical analysis on these relationships. Statistics focuses heavily on the real world by interpreting conclusions within their specific context.

Students and families will choose the AP or HS level of this course in October. AP level students will be expected to take the AP test funded by the district.

AP CALCULUS AB

Grades 8, 9, 10, 11, 12

Mathematics Credit

Calculus AB is primarily concerned with developing students’ understanding of the concepts of calculus. Broad concepts and widely applicable methods are emphasized. Regular usage of the graphing calculator will be an integral part of the program. We will also develop our skills in visualization, constructing mathematical arguments, and using algebra with calculus to efficiently solve problems. The course focuses on limits & continuity, differential calculus, and integral calculus.

AP level students will be expected to take the AP test funded by the district.

AP CALCULUS BC

Grades 8, 9, 10, 11, 12

Mathematics Credit

Calculus BC is primarily concerned with developing students’ understanding of the concepts of calculus. Broad concepts and widely applicable methods are emphasized. Regular usage of the graphing calculator will be an integral part of the program. We will also develop our skills in visualization, constructing mathematical arguments, and using algebra with calculus to efficiently solve problems. The course focuses on differential calculus and integral calculus, with explorations in parametric calculus, polar calculus, and the study of sequences and series.

AP level students will be expected to take the AP test funded by the district.

MIDDLE COLLEGE - MHCC

Corbett High School partners with Mount Hood Community College to allow current high school students to take classes at MHCC during the school year. Students must be on track to graduate (in terms of total credits and each credit category) in order to apply. Preference is given to two kinds of students: students who have exhausted all academic offerings in a required core content area as well as students that want to pursue pre-career opportunities. For example, students that wish to take Biology for Health Sciences or Welding, or have taken all math classes Corbett offers, have preference in the application process for Middle College. Corbett students must be enrolled at least half time (often 5 out of 8 classes) at Corbett High School, and must take 12-18 total credits over Fall/Winter/Spring quarters. Preference is also given to seniors.

Students may not take courses at MHCC that are offered at Corbett High School.

SCIENCE

PHYSICAL SCIENCE 8-9

Grades 8, 9

Science Credit

A two-year loop, all 8th and 9th grade students take this science course. This course integrates physics, chemistry, and earth science using inquiry and a hands-on approach.

AP/HS PRINCIPLES OF COMPUTER SCIENCE

Grade 10

Science Credit

AP Computer Science Principles introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. With a unique focus on creative problem solving and real-world applications, this computer science course gives students the opportunity to explore several important topics of computing using their own ideas and creativity, use the power of computing to create artifacts of personal value, and develop an interest in computer science.

This is Corbett High School's 10th grade science class.

Students and families will choose the AP or HS level of this course in October. AP level students will be expected to take the AP test funded by the district. .

CHEMISTRY

Grades 11, 12

Science Credit

Offered in alternating years (23-24, 25-26, etc)

Emphasis is on using lab data to develop an understanding of the atomic and molecular structure of matter. An overall foundational understanding of the interactions of atoms and compounds will be explored with real world examples being the primary focus of inquiry by students. This course will not prepare students for the AP exam.

ECOLOGY

Grades 11, 12

Science Credit

Offered in alternating years (22-23, 24-25, etc)

Ecology is the study of how organisms interact with each other and their environment at the population, community, and ecosystem levels. The goal of this course is to familiarize you with ecological theory and its applications.

AP BIOLOGY

Grades 11, 12

Science Credit

Offered in alternating years (22-23, 24-25, etc)

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. The AP Biology course is equivalent to a two-semester college introductory biology course for biology majors. *AP level students will be expected to take the AP test funded by the district.*

AP ENVIRONMENTAL SCIENCE

Grades 11, 12

Science Credit

Offered in alternating years, (23-24, 25-26, etc)

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

AP level students will be expected to take the AP test funded by the district.

PHYSICS

Grades 10, 11, 12

Science Credit

Physics is a course designed to explore the dynamics of relatively simple mechanical systems in a great deal of depth. Working carefully, we will discover that most of the motions we see in our everyday lives are in fact governed by three simple ideas: force, energy, and momentum. Students will explore the major fundamental topics in physics as they relate to mechanics, such as motion and forces, gravity and projectiles, and energy and work. Through their exploration of these topics and embedded lab work, students will learn to describe the motion of objects in both one and two dimensions, and to solve problems through the application of Newton's laws of motion. Additionally, they will also apply the principles of the conservation of energy and momentum to analyze the behavior of interacting objects.

SOCIAL STUDIES

8th GRADE SOCIAL STUDIES

Grade 8

This course covers US History from 1653 to 1900, with themes of territory, culture, and government.

AP HUMAN GEOGRAPHY

Grade 9

Social Studies Credit

This course introduces 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 examine socio economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

AP level students will be expected to take the AP test funded by the district.

AP/HS WORLD HISTORY

Grade 10

AP/HS World History

Social Studies Credit

Grade 10

In AP World History:, Students investigate significant events, individuals, developments, and processes across time. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical

connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Students and families will choose the AP or HS level of this course in October. AP level students will be expected to take the AP test funded by the district.

AP/HS US HISTORY

Grade 11

Social Studies Credit

This course focuses on the development of historical thinking skills through the study of nine periods in the current United States, from pre-European contact to today. Students will consistently use primary source documents to investigate events and answer historical questions about what happened and why. In addition students will hone their ability to gather evidence in response to a prompt, create a viable thesis that responds to the prompt, and support it in essay form.

Students and families will choose the AP or HS level of this course in October. AP level students will be expected to take the AP test funded by the district.

AP/HS GOVERNMENT

Grade 11, 12

Social Studies Credit

AP U.S. Government and Politics is a non-partisan course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.

Students and families will choose the AP or HS level of this course in October. AP level students will be expected to take the AP test funded by the district.

AP PSYCHOLOGY

Grade 10, 11, 12

Social Studies Credit

This course is offered on an every-other-year basis. (23-24, 25-26, 27-28).

Have you ever wondered why people do the things they do, think the things they think and feel the feels they feel? If you were to write a user manual for our brain and mind, what would you include in it?

In this course you will explore the ideas, theories, and methods of the scientific study of behavior and mental processes. While considering the psychologists and studies that have shaped the field, you will explore topics including neuroscience and how the brain functions, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of

psychological disorders, and social psychology. Throughout the course, you will examine the concepts of psychology through reading and discussion and you'll analyze data from psychological research studies.

AP level students will be expected to take the AP test funded by the district.

AP ART HISTORY

Grade 10, 11, 12

Social Studies or Fine Art Credit

This course is offered on an every-other-year basis. (22-23, 24-25, 26-27), and can count as a Social Studies or Fine Arts credit.

The stories we tell through art are inherent to the human experience, from cave paintings to Tik Tok. This course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history.

AP level students will be expected to take the AP test funded by the district.

PHYSICAL EDUCATION AND HEALTH

8th PHYSICAL EDUCATION/PERSONAL DEVELOPMENT

Grade 8

This required course is designed to cover the 8th grade state standards for physical education. Students will also spend half of the class working on study skills, organization, and goal setting.

HEALTH

Grade 9

Health Credit

This is a required course for 9th grade students. In addition to state-mandated health curriculum, students will develop study habits, organizational skills, and self-reliance.

PHYSICAL EDUCATION

Grade 9, 10, 11, 12

Physical Education Credit

Not offered in 22-23. Students are encouraged to take yoga, weight training, walking for fitness, or credit by proficiency.

Sports and games

YOGA

Grades 10, 11, 12 (9th grade with instructor permission)

Physical Education Credit

Students are introduced to the values and skills of Yoga. Yoga/Core Fitness includes basic Yoga philosophy and exercises for increased flexibility, improved health, relaxation, and reduced stress in daily living. In addition, students will participate in core fitness exercises to strengthen the body's core muscles. Students will also be required to journal.

WEIGHTLIFTING

Grades 10, 11, 12 (9th grade with instructor permission)

Physical Education Credit

Course goal: Increase muscle strength and fitness, while at the same time promoting each student's ability to apply what they learn in a pursuit of lifelong fitness. This class will focus on developing safe/functional lifting techniques. Periodization training (loading and unloading of muscle groups) will promote strength and fitness gains over time.

WALKING FOR FITNESS

Grades 9, 10, 11, 12

Physical Education Credit

The course title says it all. Students will participate in fitness walking outside on the athletic fields, in and around the school building to develop cardio-respiratory fitness. Appropriate fitness clothes and shoes for walking are required. A light rain jacket is recommended as the class will walk outside in light rain.

CREDIT BY PROFICIENCY

Grades 9, 10, 11, 12

Physical Education Credit

Students who participate in two seasons of a sport can earn 1 credit of physical education. Students need to notify the athletic director and the registrar if they wish to do this. This is limited to fulfilling the 1 credit PE graduation requirement, and may not be used as elective credit.

WORK-BASED LEARNING

Seniors can earn (up to) 2 elective credits by participating in an internship or job that has meaningful applications to their future. An application is required. While this program is not competitive, requirements must be met to participate, including passing grades and 95% attendance in current classes, presentation to the school board during trimester 2, and progress towards graduation (must be on track to graduate). The application has 5 components: program requirements acknowledgement & agreement, written response to questions, transcript verification, parent approval (completed separately by parent(s)/guardians(s)), internship/employment partner (completed separately by supervisor). Applications are due a week prior to the beginning of school. Trimester 2 and 3 applications are due November 15. Juniors may be able to participate in limited circumstances.

OFFICE AIDE

Grades 11, 12

One Elective Credit

By application only. Answering phones, preparing materials, running messages, and transporting items. This is a two-period block, either in the afternoon or mornings.

SCHOOL-AGED EDUCATION AIDE

Grades 8, 9, 10, 11, 12

One Elective Credit

By application only. Preparing materials, working with students in K-5.

EARLY CHILDHOOD EDUCATION AIDE

Grades 8, 9, 10, 11, 12

One Elective Credit

By application only. Morning session is a two period block, afternoon session is a one period block. Preparing materials, working directly with children 2-5 years old.

KITCHEN MANAGEMENT AIDE

Grades 11, 12

By permission only, following a successful experience in Culinary Arts. A single-period in the afternoon to support operations in the kitchen.

WORLD LANGUAGE

Intro to Spanish

Grades 8, 9, 10

World Language Credit

Course Overview: This is an introductory course for students with no Spanish language experience. Basic communication skills in oral comprehension, speaking, reading, writing and familiarity with the culture.

Spanish 1

Grades 8, 9, 10, 11

World Language Credit

Course Overview: Continuation and expansion of skills acquired in Intro to Spanish with increasing emphasis on reading and writing. Students will be provided opportunities for increased vocabulary, speaking ability, and cultural awareness through use of the language.

Special Requirements: Successful completion of Intro to Spanish *here at Corbett** and/or instructor approval.

Spanish 2

Grades 9, 10, 11, 12

World Language Credit

Course Overview: Continuation and expansion of skills acquired in Spanish 1 with increasing emphasis on reading and writing. Students will be provided opportunities for increased vocabulary, speaking ability, and cultural awareness through use of the language.

Special Requirements: Successful completion of Spanish 1 *here at Corbett** and/or instructor approval.

AP Spanish

Grades 9, 10, 11, 12

World Language Credit

Course Overview: Continuation and expansion of skills acquired in Spanish 2 with increasing emphasis on reading and writing. Students will be provided opportunities for increased vocabulary, speaking ability, and cultural awareness through use of the language. This course will help students prepare for the AP Spanish Language and Culture exam by reading from literature, history and the media.

Special Requirements: Successful completion of Spanish 2 *here at Corbett** and/or instructor approval.

AP level students will be expected to take the AP test funded by the district.

**Corbett Spanish classes are designed to compliment and build upon skills acquired in the previous course. If a student has not completed the preceding course for a class here at Corbett, then the Spanish instructor will need to determine the appropriate placement. The names of our Spanish courses do not necessarily correspond with the names of other Spanish courses at other schools.*