

Course Guidebook 2017-18

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INTRODUCTION

The 2017-2018 version of the Cascade Registration Guidebook represents the latest changes in curriculum that will be available to students of Cascade High School. Many hours have been spent by the staff, administration and the school board in an attempt to provide the best possible course of study to prepare students with the skills, knowledge and attitudes necessary to be successful now and throughout their lives.

The purpose of this guidebook is to spell out the requirements that students will need to complete and receive a High School Diploma or Honors Diploma and to describe the requirements and the content of each course offered at Cascade High School.

We encourage students and parents to study and discuss the contents of this guidebook to help make those important educational decisions. Students and parents are encouraged to contact the counseling department if there are any questions. Phone number: 503-749-8020 ext. 2805.

DIPLOMA REQUIREMENTS

The minimum 25.5 credit requirement must include the courses listed below:

ENGLISH	4 Credits
SCIENCE	3 Credits
MATHEMATICS	3 Credits
HEALTH	1 Credit
GLOBAL STUDIES	1 Credit
U.S. HISTORY	1 Credit
CONTEMPORARY ISSUES	.5 Credit
ECONOMICS	.5 Credit
GOVERNMENT	.5 Credit
PERSONAL FINANCE	.5 Credit
PE I	1 Credit
COMPUTER APPLICATION	.5 Credit
THE ARTS (Art, Music, Drama, Creative Writing, Spanish, Business, Woods, Drafting, Mechanics, Metals, Agriculture, Family Studies)	2.5 Credits
ELECTIVES	<u>6.5 Credits</u>
Total Credits	25.5

Typical class schedule for each grade 9, 10, 11, and 12

9 th Grade	Credits	10 th Grade	Credits
English I or Adv. English I	1 cr	English II or AP Language	1 cr
Integrated Science	1 cr	Biology	1 cr
Mathematics	1 cr	Mathematics	1 cr
PE I	1 cr	Global Studies	1 cr
Health I	.5 cr	Electives/The Arts	3.5 cr
Computer Application	.5 cr		
Electives/The Arts	2.5 cr		
11 th Grade	Credits	12 th Grade	Credits
English III or Adv. English III	1 cr	English IV or AP Literature	1 cr
Mathematics	1 cr	Government	.5 cr
Science	1 cr	Economics	.5 cr
US History	1 cr	Contemporary Issues	.5 cr
Health II	.5 cr	Electives/The Arts	5.0 cr
Personal Finance	.5 cr		
Electives/The Arts	2.5 cr		

**In addition to completing all the required credits and passing the state assessments in reading, writing and math, each senior must also pass a Senior Exit Interview to graduate.

HONORS DIPLOMA OPTION

The Cascade High School Honors Diploma is intended to reflect efforts by students who have chosen rigorous college preparatory curriculum. In addition to completing all required coursework, passing state assessments and passing a senior exit interview, recipients of the Honors Diploma must maintain a 3.5 cumulative GPA and complete at least 6 of the following AP or Honors courses:

- AP Literature (required)
- AP Language (required)
- AP Calculus
- AP US History
- AP Government
- AP Biology
- Spanish 3
- Chemistry
- Physics

E. Core subjects and the grade level for taking the class

9	10	11	12		9	10	11	12	
				ENGLISH					SOCIAL STUDIES
✓				English I	✓				Global Studies (g-global)
	✓			English II		✓			US History (h-history)
		✓		English III		✓	✓		AP US History (h-history)
			✓	English IV (Chemeketa Wr 115 & 121)		✓			Personal Finance (f-personal fin)
✓				Advanced English I		✓			Economics (o-economics)
	✓			AP English Language & Composition		✓			Contemporary Issues (c-cont iss)
		✓		Advanced-English III		✓			Government (v-government)
			✓	AP English Literature (Writing 115 & 121)		✓			AP Government (v-government)
✓	✓	✓	✓	Creative Writing (arts)	✓	✓	✓		Psychology (elective)
	✓	✓	✓	Mythology (arts)	✓	✓	✓		Sociology (elective)
✓	✓	✓	✓	Yearbook (arts)	✓	✓	✓		Holocaust Seminar (elective)
	✓	✓	✓	Science Fiction and Fantasy (arts)	✓	✓	✓		History of Rock & Roll (elective)
	✓	✓	✓	Speech & Debate					
				MATHEMATICS					
✓	✓	✓	✓	Algebra Concepts		✓	✓		Law in America
✓	✓	✓	✓	Algebra I	✓	✓	✓		History of Aviation
✓	✓	✓	✓	Informal Geometry					
✓	✓	✓	✓	Geometry					
	✓	✓	✓	Algebra II					
		✓	✓	Statistic & Probability					
		✓	✓	Financial Algebra					
		✓	✓	Pre-Calculus					
		✓	✓	AP Calculus					
				SCIENCE					
✓				Integrated Science (science)					
	✓			Biology (science)					
		✓	✓	AP Biology (science)					
		✓	✓	Anatomy & Physiology (science)					
		✓	✓	Chemistry (science)					
		✓	✓	Physics (science)					
	✓	✓	✓	Astronomy (science)					
✓	✓	✓	✓	Intro to Med Terminology (elective)					
	✓	✓	✓	Survival Science (science)					
	✓	✓	✓	Planetary Science (science)					
	✓	✓	✓	Field Biology (science)					
		✓	✓	Lab Preparator (science)					

Electives and the grade level for taking the class

9	10	11	12		9	10	11	12	
				AGRICULTURE					MUSIC
✓	✓	✓	✓	Agriculture I (arts)	✓	✓	✓	✓	Concert Choir (arts)
	✓	✓	✓	Plant Science (science)	✓	✓	✓	✓	Cascadians (arts)
	✓	✓	✓	Animal Science (science)	✓	✓	✓	✓	Symphonic Band (arts)
	✓	✓	✓	Vet Science (science)	✓	✓	✓	✓	Jazz Band (arts)
	✓	✓	✓	Agriculture Leadership (elective)					
	✓	✓	✓	Advanced Agriculture (arts)					
				ART					PHYSICAL EDUCATION
✓	✓	✓	✓	Fundamentals of Art (arts)	✓	✓	✓	✓	PE I (pe)
✓	✓	✓	✓	Ceramics I (arts)		✓	✓	✓	Aerobics (pe)
✓	✓	✓	✓	Cermanics II (arts)		✓	✓	✓	Body Development (pe)
✓	✓	✓	✓	Drawing & Painting I (arts)		✓	✓	✓	PE II (pe)
	✓	✓	✓	Drawing & Painting II (arts)	✓	✓	✓	✓	Fitness for Life (pe)
		✓	✓	Advanced Art (arts)					
	✓	✓	✓	Photography (arts)	✓	✓	✓	✓	SECOND LANGUAGE
				DRAMA					Spanish I (elective)
✓	✓	✓	✓	Introductory Acting (arts)		✓	✓	✓	Spanish II (elective)
✓	✓	✓	✓	Intermediate Acting (arts)		✓	✓	✓	Spanish III (elective)
	✓	✓	✓	Advanced Acting (arts)		✓	✓	✓	Spanish IV, V (elective)
✓	✓	✓	✓	Technical Theatre (arts)					
✓	✓	✓	✓	Script Writing (arts)					AIDES
✓	✓	✓	✓	Musical Theatre (arts)					Attendance Office (elective)
✓	✓	✓	✓	Film Analysis (elective)					Counseling Office (elective)
				BUSINESS EDUCATION					Main Office (elective)
✓				ComputerApplications(w-comput)					Teachers (elective)
✓	✓			Intro to Business (arts)					Library (elective)
		✓	✓	Sports & Entertain.Mkt (arts)					
		✓	✓	DECA Leadership (elective)	✓	✓	✓	✓	MISCELLANEOUS
				FAMILY AND CONSUMER STUDIES					Elementary Peer Tutor (elective)
✓	✓	✓	✓	Intro To Foods arts)		✓	✓	✓	Student Leadership (elective)
✓	✓	✓	✓	Cultural Foods (arts)		✓	✓	✓	Work Experience (elective)
	✓	✓	✓	Healthy Cooking Choices (art)		✓	✓	✓	Drivers Education (elective)
	✓	✓	✓	Culinary Arts I (arts)		✓	✓	✓	Reading Intervention (elective)
				HEALTH					
✓	✓	✓	✓	Into to Health Services					INDUSTRIAL ARTS
✓				Health I (I-health)	✓	✓	✓	✓	Drafting I (arts)
		✓		Health II (I-health)	✓	✓	✓	✓	Intro to CAD (arts)
					✓	✓	✓	✓	Woodshop (arts)
					✓	✓	✓	✓	Advanced Woodshop (arts)
					✓	✓	✓	✓	Construction/Carpentry (arts)
					✓	✓	✓	✓	Welding (arts)
					✓	✓	✓	✓	Advanced Welding (arts)
					✓	✓	✓	✓	Ag Mechanics (arts)
					✓	✓	✓	✓	

EDUCATION BEYOND HIGH SCHOOL

The importance of continued education after high school has been a known fact for a number of years. The main training and education opportunities after high school are listed below.

A. Community Colleges

The community colleges in Oregon are excellent places to obtain specific training in a large variety of occupations found to have good employment opportunities. The cost is very reasonable and, if a student qualifies for financial aid, the financial aid program may pay much of the cost. Community colleges have vocational-technical programs and a college transfer program. And now there are many more opportunities to attend a community college for no cost at all, depending on your GPA (See Oregon Promise section below).

The college transfer program allows a student to complete the first 2 years of a 4-year college program then transfer to a college or university to complete a B. S. or B. A. degree. Community colleges offer the Oregon Transfer Degree so students can easily transfer credits to the 4-year schools.

College Credit Now courses are taught by high school instructors who have been approved to teach college-level courses by Chemeketa Community College. Students can begin to invest time and money into their college careers while in high school. The College Credit Now cost per course is only \$25. The Cascade High School courses that are College Credit Now approved are Computer Applications taught by Mr. Reinhardt, Spanish I, II & III taught by Ms. Baughman, English IV A and B taught by Ms. Fleenor, and Health II taught by Mrs Cox.

Depending on your GPA many community colleges in Oregon offer free tuition if you have a GPA of 3.5 and above (Scholars Programs). This, along with the **Oregon Promise** can aid you significantly in going to a two year community college for little to no money and possibly having some allowance for course books.

The **Oregon Promise** was approved by legislation in 2015 and the first grants became available in 2016. Though the Oregon Promise will not fully cover your tuition costs, they will aid in tuition payment after state and federal grants are applied. Each year the Oregon Promise Grant needs to be approved by Oregon Legislature. It is important to keep in mind that the Oregon Promise is based off of financial need. If you are wishing to seek more information about the Oregon Promise visit www.oregonstudentaid.gov/oregon-promise-faq.aspx where this information was pulled from.

B. Private Vocational-Technical programs

Before signing up for any of these programs take the time to compare these opportunities with what is available from Community Colleges. Issues to checkout include:

- Is the program accredited?
- What is the cost?
- Can course credit be transferred to a public institution?
- Can a person opt out of the program without cost?
- Recommendations from students who have attended the school.

C. Four-year college planning

1) Private colleges and universities

These schools are supported totally by private funds and student tuition. There is great variety in the size, programs of study, atmosphere and entrance requirements. Students interested in these schools should start their research and visitation in the 10th and 11th grades. Attending local college fairs or talking with alumni are good ways to obtain more information. Checking the college websites for entrance requirements, programs available and cost to attend is a first step in the college search. Many private schools offer substantial scholarships and aid to students with excellent high school grades, test scores and recommendations. Taking college prep and advanced placement classes in high school are great ways to prep for these schools.

2) State Universities and Oregon Institute of Technology

The universities in the State of Oregon have the following admission requirements for admission:

Grade Point Average Requirement

To be considered for admission, students must have a grade point average in all graded subjects taken toward graduation in four years of high school of 3.00 or above (OSU, UO, PSU, OIT), 2.75 or above (EOU, SOU, WOU).

Subject Requirements

Applicants must satisfactorily complete 15 units (one year equal to one unit) of college preparatory work in the following subject areas with a grade of C or better:

- English (4 units) Shall include the study of the English language, literature, speaking and listening and writing, with emphasis on and frequent practice in writing expository prose during all four years.
- Mathematics (3 units) Shall include first year algebra and two additional years of college preparatory mathematics selected from geometry, finite mathematics, advanced applications, calculus, probability and statistics, or courses that integrate topics from two or more of these areas. (one unit is highly recommended in the senior year. Algebra and geometry taken prior to the ninth grade will be accepted.) Students must have completed, at a minimum, the Algebra II level (or equivalent) or higher to meet the math requirement.
- Science (3 units) Shall include a year each in two fields of college preparatory science such as biology, chemistry, physics, or earth and physical science; one field is recommended as a laboratory science.
- Social Studies (3 units) Shall include one year of U.S. history, one year of global studies (world history, geography, etc.) and one year of a social studies elective (government strongly recommended).
- Second Language (2 units) Two years of the same high school-based second language or a C- or above in the third year of a high school-level language or two terms of a college-level second language or two

terms of a college-level second language with a grade of C- or above or satisfactory performance in an approved assessment of second language knowledge and/or proficiency. Demonstrated proficiency in American Sign Language (ASL) is acceptable in meeting the second language requirement.

Admission Tests

Students must submit scores of the Scholastic Assessment Test (SAT Reasoning) or American College Test (ACT).

Test scores can be used:

- As an alternative means of meeting the GPA requirement;
- As the admission policy for graduates of nonstandard or unaccredited high schools;
- In selectively admitting qualified applicants; and
- For advising and guidance purposes.

Alternatives to the GPA, subject and admission tests requirements can be found on the individual college websites. Most colleges and universities will require an additional campus review.

3) Planning for College

Success in college depends on being prepared for college. Being prepared means (1) you have purpose for going to college; (2) you have acquired some knowledge of certain subject areas; and (3) you have developed learning skills and habits. Only you can decide whether or not you want and need to go to college. As you proceed through high school following some basic guidelines should make college more attainable.

The checklist below has been designed to guide you through the 4 years of high school and into college.

Suggested Year Involvement

- Based on your personal interest, abilities, values, and achievements look at careers and educational possibilities that are a match for you. Use libraries, the counseling center, and Internet addresses to access information. *Grades 9-12*
- Develop a 4-year plan for classes that follow the required courses found in this guidebook and the recommendations of your parents, teachers, and counselors. Each year check your progress and revise plans if necessary. *Grades 9-12*
- Become involved in school and community activities. These experiences are important for demonstrating personal qualities like leadership, responsibility, ability to relate to people, and honesty (to name some.) When applying for colleges, jobs, scholarships, or asking for recommendations, these experiences are valuable. Keep a record of your activities, honors, and awards. More colleges and universities are asking for portfolios of student's work samples and achievement history to determine entrance into specialized programs where the competition may be high. *Grades 9-12*

- Maintain a minimum of a 3.0 GPA if you plan to meet entrance requirements at most colleges. Schools that are highly selective will have higher requirements. Check the individual colleges for specific entrance requirements. *Grades 9-12*

- Plan to take the PSAT/NMSQT (Preliminary Scholastic Aptitude Test/ National Merit Scholarship Qualification Test) during the fall of your sophomore year. Reasons for taking this college preparation test include: *Grades 10-11*
 - ⇒ Practice to prepare for the SAT (Scholastic Aptitude Test)
 - ⇒ Compare your achievement with nationwide college bound students in your grade.
 - ⇒ Juniors compete for National Merit Scholarships and recognition as a National Merit Scholar. Students who achieve National Merit recognition usually have a good chance at receiving large sums of money for their college education.
 - ⇒ Test information is fresh in your mind at the end of the school year.
 - ⇒ Good SAT or ACT results can be used to apply for colleges in the fall.
 - ⇒ ROTC, military academies, and colleges, who offer early admission, need scores from a test in the spring of the junior year.
 - ⇒ Mediocre or low scores can be raised at the November or December SAT or ACT test dates if serious study and preparation is given to improving test scores.

- Attend college fairs check the college websites, and visit campuses that meet your needs. Meet with college representatives that come to Cascade High School. *Grades 11-12*

- Attend the Financial Aid Night that is held in December at Cascade High School. *Grades 11-12*

- Take the November or December SAT Reasoning Test or the ACT. *Grade 12*

- Apply for colleges and scholarships from October to May. *Grade 12*

- File the FAFSA (Free Application for Federal Student Aid) in October of your senior year.

COURSE DESCRIPTIONS

AgricultureAgriculture 1

A and B
2 Trimesters, 1 Credit
Grade 9-12

An introduction to the dynamic field of Agriculture. This course takes a look at the importance of the agriculture industry, introduces the basics of soil, plant, and animal science, and focuses on leadership development. Students will develop a Supervised Agricultural Experience and have the opportunity to earn a Tractor and Farm Machinery Safety Certificate.

Lab fee of \$10.00.

Plant Science

A and B
2 Trimesters, 1 Credit
Grade 10-12

Experience various plant science concepts including anatomy and physiology, classification, and production and harvesting practices through hands-on activities. This class will also be involved in managing our school greenhouse, and other possible projects on our school land-lab. This class counts for your 3rd year of science.

Animal Science

A and B
2 Trimesters 1 Credit
Grade: 11-12

Explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers. This class counts for your 3rd year of science.

Agriculture Leadership

1 Trimester ½ Credit
Grade: 10-12

Prerequisite: Agriculture 1 A and B

Students will focus on the leadership principles needed in the agriculture industry. This project based class gives students the opportunity to plan and carry out several projects of the Cascade FFA Chapter including community service and agriculture literacy. FFA Chapter officers will also be working to fulfill the duties of their office.

Advanced Agriculture

1 Trimester ½ Credit
Grade: 11-12

Prerequisite: Agriculture 1 A and B

Advanced concepts of animal production such as evaluation, genetic selection, and animal products. Agriculture business and management principles will also be used in the further development of the students' Supervised Agricultural Experience (students are

expected to be working toward FFA Degree's and proficiency awards). This class will also look at agriculture on a global level.

Vet Science

An advanced level class for students interested in animal sciences. The focus of this animal science class will be on animal health and wellness. We will learn and practice various techniques used in the animal health industry. Also an option for job-shadow opportunities.

Art

Fundamentals Of Art

**1 Trimester, ½ Credit
Grades 9-12**

This class stresses the elements of art and principles of design. These principles will be explored through a combination of two and three-dimensional projects. Multicultural and historical aspects of art will be explored. Lab Fee of \$10.00.

Ceramics I

**1 Trimester, ½ Credit
Grades: 9-12**

Students will explore the medium of clay using both wheel thrown and hand building techniques. Various firing and decoration techniques will be used to create finished ware. Lab Fee of \$10.00.

Ceramics II

**1 Trimester, ½ Credit
Grades 9-12**

Pre-requisite: Ceramics I

Students will continue to build on the skills learned in Ceramics I focusing on relief carving, wheel work, and slab construction. Lab Fee of \$10.00.

Drawing & Painting I

**1 Trimester, ½ Credit
Grades 9-12**

Students will cover the expressive and technical principles of drawing using a variety of media, including pencil, pen and ink, and watercolor. Lab fee of \$10.00.

Drawing & Painting II

**1 Trimester, ½ Credit
Grades 9-12**

Students will continue to build on skills from Drawing & Painting I using a variety of media, including pencil, pastel, block printing, and acrylic paint. Lab fee of \$10.00.

Advanced Art

**1 Trimester, ½ Credit
Grades 11-12**

Pre-requisite: Two previous art classes

This course provides students an opportunity to develop their artistic abilities and possibly seek an art field after high school. Advanced and alternative projects will be offered in a variety of mediums including drawing, ceramics (raku firing), painting, and

sculpture. Art history and other relevant cultural movements will be explored. Lab fee of \$10.00.

Photography

**1 Trimester, ½ Credit
Grades 9-12**

Students learn the basics of digital photography and Photoshop CS5 before transferring to the darkroom to learn how to use an SLR and the basics of black and white darkroom printing. Lab fee of \$15.00.

Introductory Acting

**1 Trimester, ½ credit
Grades 9-12**

This beginning acting class focuses on voice, body, and imagination as the key elements of acting. Students will thoroughly explore these three categories through improvisational scene work, theatre games, and assigned, scripted scene work. As students work their way through the course, they will learn a variety of concepts to help build upon their growing acting skills. . Besides performances, students will be expected to complete reading and written assignments

Intermediate Acting

**1 Trimester, ½ Credit
Grades 9-12**

Students will thoroughly explore character goals, obstacles, tactics, and expectations. How do actors make characters come to life using these techniques? The class involves individual performances and group work. Actors may also choose to prep Regional Acting Competition pieces.

Advanced Acting

**1 Trimester, ½ credit
*Pre-requisites: Drama I and instructor recommendation***

This course is a more advanced course than Drama 1, in which students will work to further develop their acting skills as well as explore a range of topics from theater history, play writing, directing, and technical theater.

Technical Theatre

1 Trimester, ½ credit

This course is designed for those interested in the backstage areas of theater. This class focuses on the areas of lighting, sound, set design and construction, properties, costuming, and makeup. Everyone in class will also be required to participate in some acting exercises, just as Advance Drama student are often required to dabble briefly in technical theater. Students will be producing the “look” of trimester one’s Halloween Show, including geffects makeup and costumes. Students will also begin creating and producing the preliminary makeup and costume designs for the winter musical (TBD).

Script Writing

**1 Trimester, ½ Credit
Grades 9-12**

This class is being offered as a writing elective. Write your own script or adapt eligible written works for the stage. Learn about elements of comedy, tragedy, and satire; explore multiple ways to structure plotline and dialogue. Students will not have to produce a full-length or multiple act play to pass the class, but students will have to write monologues (individual speeches), scenes, and a 10 minute play or a one-act. Students may submit materials for several events throughout the year, the first being trimester one's Halloween Show.

Musical Theatre

**1 Trimester, ½ Credit
Grades 9-12**

Explore and perform the vocal techniques and movement of musical theatre. This is a song and dance class. All students in this class will prepare musical theatre songs, dance numbers, and go through a mock musical theatre audition. Actors may also choose to prep Regional Acting Competition pieces.

Film Analysis

**1 Trimester, ½ Credit
Grades 9-12**

A brief survey of film history and the advancements in filming and editing techniques, as well as applying what we learn in class to explore why certain films have become the “greatest of their era.” We will also apply what students are learning in English and psychology to further analyze the value of these films. Students will have to have a permission slip signed by a parent/guardian to view the films we will be showing in class. This is a viewing, discussion, & writing-based class. Students that struggle on keeping up with assignments may have difficulty with the homework load in this class.

Business Education

Students enrolled in Business Education classes are encouraged to join DECA, an Association of Marketing Students. The goal is to develop future leaders for marketing, management and entrepreneurship. All Business/Marketing Education classes provide opportunities to participate in DECA. The courses will include DECA activities as a part of coursework. Students are also given the opportunity to be involved in DECA competitions.

Cascade DECA's mission statement: "Cascade DECA inspires and guides young entrepreneurs and leaders in competitive, technical, and social based skill development"

Computer Applications

**1 Trimester, ½ Credit
Grades 9-12**

This course is design to prepare students with basic knowledge of keyboarding and formatting documents. Students will learn the keyboarding by touch through lessons, several practice drills, and several timed tests. They will also be reviewing some basic English skills (capitalization and punctuation use) while improving proofreading skills. Students will learn how to form-at different types of documents using Microsoft Word including: business letters, reports, memos, numbered lists and outlines, Students will learn the basics of PowerPoint, report writing and research through a term project. Students will also learn the basics of Publisher and Excel.

Introduction to Business

**1 Trimester, ½ Credit
Grades 9-10**

This is an elective course designed to give fundamental understanding of the free enterprise system. Introduction to Business provides information and skills in marketing, accounting, production, basic retail skills and career development. Activities will include written reports, oral presentation and role-plays. Enrolled students are eligible to participate in DECA.

Sports and Entertaining Marketing

**1 Trimester, ½ Credit
Pre-requisite: Grades 11-12 or teacher approval**

Sports and Entertainment Marketing is a specialized course for students with a career interest in the fields of sports and entertainment. In addition to a marketing overview, this course is designed to provide students with competencies in the areas of sponsorship, promotion, advertising, sales, event marketing and communications. Major areas that will be covered are professional sports, theme parks, TV and movie industries, concert and arena productions and theme restaurants. Students will also obtain an understanding of the career options available within the fields of Sports & Entertainment.

DECA Leadership and Communication

**2 Trimesters, ½ credit
Grades 11-12**

Pre-requisite: Elected by Cascade DECA Chapter to officer team or management. GPA above a 2.0

A fundamental purpose of DECA is student leadership development and empowerment. The DECA officer team is elected in the spring and serves one full year. Each officer is required to be dedicate a period of his or her yearly schedule, either early bird or independent study to work with the advisory and officer team. They will attend leadership training and represent their chapter and members throughout the year.

Family and Consumer Studies (Home Economics)

Intro to Foods

**1 Trimester, ½ Credit
Grades 9-12**

Students will acquire many basic culinary skills including safety, sanitation, measuring, recipe reading, teamwork, efficiency, meal appeal, knife skills and more. This course focuses on basic baking, breakfasts, snacks, dinners, and desserts. Additionally information on time saving appliances and techniques will be covered. A \$10 fee for groceries and equipment replacement is required to participate in this course. (Applied Arts Credit)

Cultural Foods

**1 Trimester, ½ Credit
Grades 9-12**

Students will learn and develop an understanding of the role of food in culture, society, and the family. Focus will be on learning about a country's social and societal lifestyles with an emphasis on food culture. Students will prepare recipes that are native to that particular country or region. Focus will be first trimester (Europe); second trimester (Asia); third trimester (the Americas). A \$10 fee for groceries and equipment replacement is required to participate in this course. (Applied Arts Credit)

Healthy Cooking Choices (3rd Trimester Only)

**1 Trimester, ½ Credit
Grades 10-12**

Students will acquire many culinary skills including safety, sanitation, measuring, recipe reading, teamwork, efficiency, meal appeal, knife skills and more. This course focuses on the world of nutritious food. Students will study nutrition and health, food trends, how to read labels, food facts and myths, food intolerances, and vegetarian lifestyles. A \$10 fee for groceries and equipment replacement is required to participate in this course. (Applied Arts Credit)

Culinary Arts I

**1 Trimester, ½ Credit
Grades 10-12**

Prerequisite: Intro to Foods

This class builds on the cooking skills learned in Intro to Foods and emphasizes production and perfection in meal presentation. Students build portfolios that showcase their best work and practice job skills as they work in groups on catering and other large projects. After school hours may be required for this class. These hours are considered "on the job" and count as work experience. A \$20 fee for groceries and equipment replacement is required to participate in this course. (Applied Arts Credit)

Health

Introduction to Health Services

**1 Trimester, ½ Credit
Grade 9-12**

This is a trimester long course designed to introduce students to the basic terminology and environment of health occupations. Topics of study included in the course are Career Exploration; Basic Anatomy and Physiology; Basic Medical Terms; Medical Ethics; A look at the History of Medicine; and Mental and Social Concepts. This is a good introductory course for those interested in the diverse field of Health Services and what Cascade has to offer.
No Prerequisite

Health I

**1 Trimester, ½ Credit
Grade 9**

This trimester course is designed for freshman. It introduces students to various aspects of a safe and healthy living lifestyle. It also gives students the opportunity to practice the skills and behaviors necessary to establish such a lifestyle. Students will learn risk behaviors associated with drug, alcohol, and tobacco usage. Aids and other sexually transmitted diseases and their risk behaviors will also be introduced.

Health II

**1 Trimester, ½ Credit
Grade 11**

This trimester course is designed to expose juniors to various aspects of a "Wellness" lifestyle: Stress management, physical fitness, and nutrition. They will also learn about the human body, the body system, first aid and career opportunities in the health profession.

Industrial Arts

Drafting I

**1 Trimester, ½ Credit
Grades 9-12**

This course is designed to study the basic fundamentals of drafting, including shop sketching, drafting tools, drafting techniques, geometrical construction, lettering, multi-view drawings, dimensioning and shop notes, sectional views, pictorial views, auxiliary views, and an introduction to architecture.

Intro to CAD

**1 Trimester, ½ Credit
Grades 9-12**

Intro to CAD (Computer Aided Drafting) is focused on the fundamentals of drafting (Technical Drawing) on the computer. Students will learn how to create architectural and technical drawings utilizing Sketchup and Autodesk programs. Although this course is open to all students and has no prerequisite, students who have already completed the conventional drafting course will understand many of the terms and procedures associated with drafting.

Advanced Drafting

**1 Trimester, ½ Credit
Grades 11-12**
Prerequisite: Drafting I & II

Students will draw a full set of residential plans to include: foundation plan, floor plan, elevations and any sections and details that are needed. The architecture book will be covered in depth as well as used for reference. The course will cover basic principles of blueprint reading, providing students with applications of each new principle. The course also includes mechanical drawings, house building process, and landscape architecture.

Woodshop

**1 Trimester, ½ Credit
Grades 9-12**

This 12 week course is an introduction to woodworking. It includes planning and cost calculation, and general and machine safety. The focus is on a series of required projects and one individual project of each student's choice. Lab Fee of \$10.00.

Advanced Woodshop

**1 Trimester, ½ Credit
Grades 10-12**
Prerequisite: Woodshop

This course is for students who have successfully completed beginning woodshop. Emphasis is on the individual project selected by each student. It can be repeated for credit. Lab Fee of \$10.00

Construction/Carpentry

**2 Trimesters, 1 Credit
Grades 10-12**

This course will cover the following: Describe opportunities in the Carpentry Trade, Identify common carpentry hand tools; Identify Construction Lumber; Describe plans, specifications and

codes; Lay out footings and foundations; Frame the floor of a house; Construct roof trusses; Install drywall. Lab Fee of \$10.00

Advanced Welding

**1 Trimester, ½ Credit
Grades 10-12**

This course is for students who have successfully completed beginning welding. Emphasis is on the individual projects selected by each student. It can be repeated for credit. Lab Fee of \$10.00

Ag Mechanics

**1 Trimester ½ Credit
Grades 9-12**

This course is focused on skills necessary for entry level work in various industries. Students will learn the fundamentals of small engine repair, welding, electrical systems, woodworking, plumbing and basic automotive maintenance.

Language Arts

English I

**2 Trimesters, 1 Credit
Grade 9**

English I is divided into two sections, A and B. Both sections focus on a combination of grammar, SAT vocab, composition, and literary analysis. The study of grammar reviews the patterns of simple, complex, and compound sentences. Specific SAT vocabulary words are studied each trimester and are comprehensive. The writing focus in English I-A is on the narrative essay both fictional and personal, journal writes and literary analysis of selected works. The writing focus in English I-B is journal writes, literary analysis and a research based expository essay written in proper MLA format, which includes research involving use of the internet, note taking, outlining, and annotated bibliographies. Sentence, paragraph, and essay writing are the main emphasis in composition in both sections. Literature study includes the short story, poetry, epic poetry, drama, the novel and the novella. The major literary selections in section A are *The Odyssey* by Homer and *The Outsiders* by S.E. Hinton. In section B of Freshman English, *The Tragedy of Romeo and Juliet* by William Shakespeare and *Animal Farm* by George Orwell will be read and analyzed. Several speech activities are included in the curriculum. Students will use state scoring guides (reading, speaking and writing) as assessment tools to measure levels of achievements on district tasks and state assessments.

English II

**2 Trimesters, 1 Credit
Grade 10**

This course combines units of study in the areas of English and literature. The English portion of this course includes the study of grammar, mechanics, vocabulary, phrases and clauses, public speaking, and a continued emphasis on the writing process. The literature portion of this curriculum presents units of study in the short story, poetry, nonfiction, the novel, and the drama. The development of concepts used to evaluate literature is an important part of the study of literature. Several compositions in both areas are also an important and prominent component of The English II curriculum. Students will use state scoring guides (reading, speaking and writing) as assessment tools to measure levels of achievements on district tasks and state assessments.

English III

**2 Trimesters, 1 Credit
Grade 11**

Students will focus on the study of American literature and persuasion. The study of literature is thematic and somewhat sequential and features a variety of written and oral assignments. In addition this class places a major emphasis on the study of persuasion, and students are required to complete a variety of written and oral persuasive activities. Students will also study and work on vocabulary development, apply usage rules to writing and speaking, and plan and present a variety of narrative and expository written and oral assignments. Students are also expected to work effectively as a member of a group in order to complete some assignments in this class. Finally, students will read and study a class novel.

This course enables students to receive 8 hours of college credit as well as fulfill the requirements for senior English in high school. The emphasis in these courses is writing to prepare students for college work. Students are exposed to various types of expository writing as well as students will have the experience of being published with essays being displayed or shared in the classroom and within the school. In the second semester of this course, a research paper is required and instruction will include how to do research, proper MLA style, and using Internet sources. Skills in this class are taught for college preparation.

In order to get college credit, students are required to pass the Compass Test at Chemeketa, and then register for the class on-line. The cost of the course and all other courses taken here at Cascade for college credit is just 25.00 dollars a year. All texts are provided by Cascade and writing is basically done in class.

Advanced English I

**2 Trimesters, 1 Credit
Grade 9**

Advanced English I is divided into two sections, A and B. Both sections focus on the development of grammar and SAT vocabulary through continuous writing exercises and activities. Additionally, they ask students to exercise the ability to look critically at a piece of literature and determine its relevance in today's world. Section A provides an introduction and overview of a variety of literature, ranging from Homer's *Odyssey* to Barbara Kingsolver's *The Poisonwood Bible*. Through literary works such as short stories, poetry, and novels, we will look at the narrative traditions that have communicated the history, hopes, and fears of mankind. As well as developing the ability to critically analyze a piece of literature, this course demands that students practice this analysis through writing in a variety of modes: close readings and narrative writing, and journal writing. Section B covers literature ranging from William Shakespeare's *The Tragedy of Romeo and Juliet* to F. Scott Fitzgerald's *The Great Gatsby*. Through literary works such as short stories, poetry, and literary classics, we will look at the some of the most central issues of humanity and our society: the significance of love, the importance of stability and trust, and the ability to see one's self clearly. As well as developing the ability to critically analyze a piece of literature, this course demands that students practice this analysis through writing in a variety of modes: close readings, expository writing, research writing, and journal writing. Students are expected to maintain a 3.00 average in the class or recommendation for English I will result.

AP English Language and Composition

**2 Trimesters, 1 Credit
Grade 10**

The AP English Language and Composition course is divided into two sections—A and B. Throughout both, it is designed to give students the skills needed to analyze a piece of writing in order to discover two things: the author's purpose and how the author achieves said purpose with various rhetorical strategies. Another goal of the course is to equip students with the skills not only to discover what strategies are used but also to write about them in an intelligent manner that clearly communicates and explains what ends are meant to be achieved by the strategies at work. Students will develop their own voices as writers through exposure to a variety of rhetorical settings. They will analyze nonfiction writing such as essays, journalism, political writing,

science writing, speech transcripts, autobiographies/biographies, diaries, history, and criticism. These readings will be selected to give students opportunities to identify and explain an author's use of rhetorical strategies and techniques. They will also be given fiction writing in which they will be expected to “understand how various effects are achieved by writers' linguistic and rhetorical choices” (AP Curricular Requirement 5). And, as a complement to the skills they will be cultivating as critical readers, they will become critical writers by writing in a variety of modes such as expository, analytical, and argumentative that are based on readings representing a wide variety of prose styles and genres (AP Curricular Requirement 4). In addition to writing in response to selected readings, students will also study the rhetoric of visual media in artwork and film by uncovering its ability to influence and convey significant social messages, values, and issues. Students are expected to complete work with integrity and dedication. Students are expected to maintain a 3.00 average in the class or recommendation for English II will result.

Advanced English III (American)

**2 Trimesters, 1 Credit
Grade 11**

Students in AP Literature in Junior College English will be studying great novels in connection with the historical development of the United States. Students should expect homework that is geared to reading these novels. Students in the College Prep English III class will be expected to read extensively and go into greater depth in their oral and written assignments with an emphasis on the persuasive essay. They will be required to write AP essays in response to the readings as well as to write several literary, persuasive research projects. In the second trimester the persuasion component will include in-depth research for an academic debate.

Many oral and composition exercises will be generated through the study of American literature. Students will be required to learn vocabulary generated from their reading as well as the SAT words.

This class is a recommended pre-requisite to AP English in the senior year and is in fact the AP program for the American Literature Section of the AP program. In preparation for that class and because the Bible and Greek Myth are such vast source of literary allusions in the Western literary tradition, students will be given a summer reading list of Biblical and Greek selections. Students will be tested over the selections within the first two weeks of school in their AP English class.

AP English IV (British) (Writing 115 & 121)

**2 Trimesters, 1 Credit
Grade 12**

This college level course (college credit depends upon the AP test taken in May and/or taking the Compass Test at Chemeketa and registering for Writing 115 and Writing 121) requires more reading, with emphasis on British Literature and poetry. Students will be required to read a variety of novels throughout the course.

Essays are required about once a week with opportunities to receive credit from Chemeketa for Writing 115 the first trimester, and Writing 121 the second semester. The course is designed for the student to interpret and evaluate literary texts intellectually and thoughtfully and then clearly be able to express those ideas in either discussions or written work. Special emphasis will be on writing using a variety of different modes and styles as well as review of conventions.

In order to get college credit, students are required to pass the Compass Test at Chemeketa, and then register for the class on-line. The cost of the course and all other courses taken here at Cascade for college credit is just 25.00 dollars a year. All texts are provided by Cascade and writing is basically done in class.

A literary research paper is required second trimester as a final project for AP seniors.

Creative Writing

**1 Trimester, ½ Credit
Grades 9-12
(may be repeated)**

In this elective class, students will have the opportunity to explore various types of creative writing, including the writing of short stories, poetry, humor, graphic novels, one-act plays, flash fiction, letter writing, and creative non-fiction. Classwork will consist of independent writes, classroom warm-up activities, assigned writes, and longer project pieces incorporating visual elements. Elements of writing and rhetoric will be examined as appropriate to the type of creative writing being studied. Students are required to keep a composition notebook with specific assignments, resulting in a portfolio of the student's work. Students may be required to send some of their writing to professional publishers; at least one example of student writing must be submitted to an in-school publication.

Yearbook

**2 Trimesters, 1 Credit
Grades 10-12**

Prerequisite: Instructor Recommendation

This course develops the publication of the yearbook. Students will be directly involved with yearbook budget, layout, writing, and photography. Each student will be responsible for completion of certain pages. The students will be organized as a publication staff.

Mythology

**1 Trimester, ½ Credit
Grades 10-12**

Prerequisites: must complete Freshman English A and B

This course will explore the major components of Greek, Norse, Egyptian and Native American Mythologies. The bulk of the class will be devoted to Greek Mythology, and will cover the main components of Greek myth and divinities. Additionally, students will explore the impact of mythology on historical and contemporary writings. Through literary analysis, modern connection, mythological research and composition, students will achieve a conceptual understand of mythology and its place in societies past and present. This course will focus on writing and student inquiry. Students will learn and use anthropological and historical skills while maintaining a focus on the humanities.

Science Fiction and Fantasy

**1 Trimester, ½ Credit
Grades 9-12**

Sci-Fi and Fantasy is an elective for any student who enjoys science fiction and/or fantasy literature. Over the course of the term students will explore the major themes of both genres through novels, short stories, author studies, and writing projects. No prerequisite knowledge is needed.

Speech & Debate

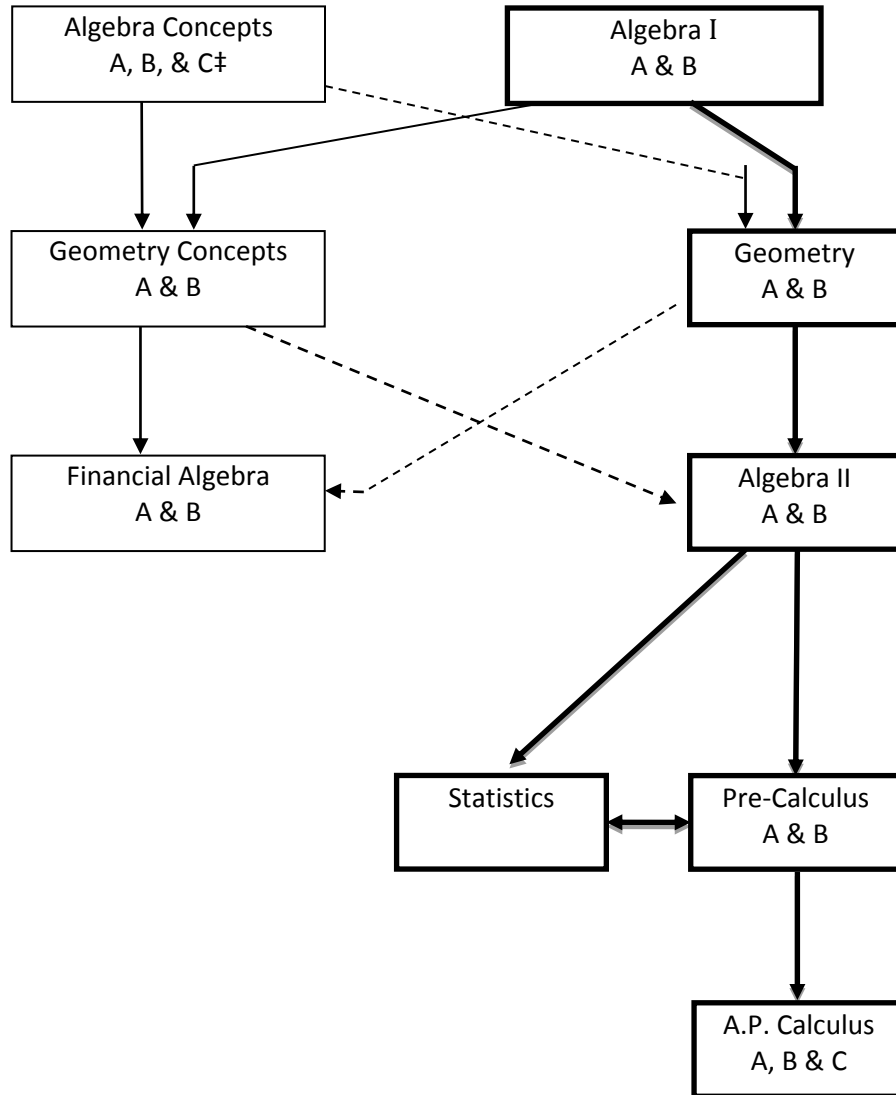
**1 Trimester, ½ Credit
Grades 10-12**

This course explores a wide variety and range of public speaking skills, including: Extemporaneous Speaking, Declamation, Original Oratory, Oral Interpretation (prose and poetry), and Storytelling. Additionally, students are introduced to basic researching, argumentation, questioning, and rebuttal skills through a variety and range of debate disciplines, including: Congressional Debate, Public Forum Debate, and the basics of philosophy for Lincoln-Douglas Debate. Skill focus includes the development of techniques in diction, articulation, enunciation and projection. Students begin to analyze pieces of literature, create and deliver orations, write arguments, and evaluate performances. Interested students may have the opportunity to observe and/or participate in local and state level Speech and Debate (Forensic) competitions. See OSAA Speech Sanctioned Calendar for dates, events and locations.

Math Department

The course progression is mapped out below. Department policy requires a student to earn a 'C' or higher to move on to the next term or course. **Graduation requirements:** all sections of Algebra I (or Algebra Concepts), Geometry (or Geometry Concepts), and Algebra II (or Financial Algebra).

Honors Diploma courses include Pre-Calculus and A.P. Calculus.



‡First trimester (A) is **required** but does not count as a math credit (it is considered a general elective credit). Sections B & C count as math credits.

Algebra Concepts

**3 Trimesters, ½ Elective Credit, 1 Math Credit
Grades 9-12**

Algebra Concepts is designed for students who need extra support to be successful in the algebra. Students will be reviewing pre-algebra skills and building foundations for understanding algebra during the first trimester, including positive and negative number operations, using formulas, and data analysis. During the second and third trimesters students will study solving equations and inequalities, using exponents, and manipulating polynomials. Students will learn to solve and graph linear equations and to solve simple systems of two equations and basic quadratic equations.

Algebra I

**2 Trimesters, 1 Math credit
Grades 9-12**

Pre-requisite: Recommendation of Middle School Teacher, or permission of the instructor

Algebra includes the study of real number properties, variables, equations and inequalities, polynomials, and factoring. Students will learn to write, solve, and graph linear and quadratic equations and to solve systems of two equations. They also learn to model real-world applications by solving word problems.

Geometry Concepts

**2 Trimesters, 1 Math Credit
Grades 9-12**

Pre-requisite: Algebra/Algebra Concepts with grade of 60% or better, or instructor consent.

Geometry Foundations is designed for students who need extra support to be successful in the geometry class. Students will review using variables, solving equations, and the coordinate plane. They become familiar with the terms, symbols, and language of geometry. Students will explore properties of lines, planes, and angles as well as triangles and polygons. Students will be able to use formulas and theorems to solve geometric problems

Geometry

**2 Trimesters, 1 Math credit
Grades 9-12**

Pre-requisite: Algebra I with grade of 70% or better, or permission of the instructor

Geometry will promote a better understanding of a mathematical system and appreciation of the basic structure of geometry, develop powers of spatial visualization, and understanding of coordinate geometry and therefore how algebra and geometry compliment each other, perception of the role of inductive and deductive reasoning in both mathematical and non-mathematical situations, strengthening the basic algebra skills, and appreciation for the necessity of clear and precise language. Probability, Statistics, and Trigonometry basics are also reviewed in this course.

Algebra II

**2 Trimesters, 1 Math credit
Grades 10-12**

Pre-requisite: Algebra with grade of 70% or better, or permission of the instructor

Algebra II begins with a review of Algebra I then moves into the use of formulas and functions; products and factoring; ratio and proportion; graphs and systems of equations; exponents and logarithms; irrational and complex numbers; analytic geometry. Special emphasis is placed on practical applications of the skills learned throughout the course.

Financial Algebra

**2 Trimesters, 1 Math credit
Grades 11-12**

Pre-requisite: Algebra/Algebra Concepts with grade of 60% or better, or permission of the instructor

Financial Algebra is a look at the practical applications of math in everyday life. The first trimester studies: the Stock Market, Modeling a Business, Banking Services and Consumer Credit. The second trimester studies: Automobile Ownership, Employment Basics, Income Taxes, Independent Living, Planning for Retirement, and Preparing a Budget. Students use graphing calculators to aid in complex computations.

Statistics

**1 Trimester, ½ Math credit
Grades 9-12**

Pre-requisite: Algebra II with grade of 70% or better, or permission of the instructor

Statistics studies basic representations of data, simple probability, and advanced probability distributions, with an emphasis on using statistical data to make decisions or test hypotheses.

Pre-Calculus

**2 Trimester, 1 Math credit
Grades 9-12**

Pre-requisite: Algebra II with grade of 70% or better, or permission of the instructor

This course is intended as a preparation for more advanced mathematics courses such as Calculus. Topics covered include functions, complex numbers, vectors, exponential and logarithmic functions, and an in-depth study of trigonometry.

AP Calculus

**3 Trimesters, ½ Elective Credit, 1 Math credit
Grades 9-12**

Pre-requisite: Pre-calculus with grade of 70% or better, or permission of the instructor

Calculus is designed to offer students differential and integral calculus at the high school level. In this course, students will recall and expand skills defined by the goals in all pre-requisite math courses.

Music

Concert Choir

**3 Trimesters, 1½ Credit
Grades 9-12**

The choir performs music from genres that include Classical, Jazz, Contemporary and Popular. Along with learning and singing music of different styles, students listen, evaluate, and write about a variety of music throughout the year. Basic music theory and sight-reading are also part of the curriculum. This group sings at many different school events including: The National Anthem at football and basketball games, Oregon West Conference Vocal Showcase and Contest along with performing in concerts throughout the school year. Students of all experience levels are encouraged to join.

Cascadians

**3 Trimesters 1 ½ Credit
Grades 9-12
*Prerequisite: Auditions***

Cascadians is a select Choir. Students must pass an audition to be selected for this Choir. Cascadians may be either a mixed Choir of men and women or an all women's Choir depending on student auditions and selection. Cascadians performs music from genres that include Classical, Jazz, Contemporary and Popular. Much of the repertoire for Cascadians is acapella. Along with learning and singing music of different styles, students listen, evaluate, and write about a variety of music throughout the year. Music theory and sight-reading are also part of the curriculum. This group sings at many different school events including: singing the National Anthem at football and basketball games, Oregon West Conference Vocal Showcase and League Contest along with performing in concerts throughout the school year. Students interested in this class need to contact the Choir Director for an audition.

Symphonic Band

**3 Trimesters, 1½ Credits
Grades 9-12
*Prerequisite: Instructor approval***

This course provides students the opportunity to further their music education through instrumental music performance. Students will continue to learn more advanced performance skills through the rehearsal and performance of a variety of musical literature, as well as complete theory, history, and listening assignments which will further the growth of their independent musicianship. In the fall, this ensemble provides music for home football games and has the potential to travel for state championship games. This group also travels and competes in league, district and state concert band competitions in the winter. Lastly, students will be expected to complete a cumulative project in the spring which enhances the culture of music in the school and the community.

Jazz Band

**3 Trimesters, 1½ Credits – 0 Period
Grades 9-12
*Prerequisite: Spring auditions***

The course provides students the opportunity to advance their musical education through Jazz study. In the winter, this ensemble provides music for home basketball games and has the

potential to travel for state championship games. This ensemble will also regularly host jazz cafés in the band room, as well as travel for various performances in the community. This group also travels and competes in league and other local competitions in the winter. Audition is required for placement in this group, as it is currently considered the top instrumental performing group at Cascade. Students should see the Instructor during spring term for audition music. Students may be expected to make some purchases for instrument accessories to increase their success creating Jazz music. Students are also expected to register for Jazz Lab during the school day as often as their schedule permits.

Physical Education

Aerobics

1 Trimester, ½ Credit
Grades 10-12
Pre-requisite: PE I

The Aerobic Dance Class offers students opportunities to develop cardio-vascular strength and endurance, muscular strength and endurance, flexibility, specific body toning and overall body fitness through a variety of aerobic and non-aerobic dance routines and exercises. The class will promote understanding of proper nutrition, hygiene, and ways to enhance individual self-esteem.

Body Development And Conditioning

1 Trimester, ½ Credit
Grades 10-12
Pre-requisite: PE I

This course will be an introduction to weight training and conditioning three days a week and aerobics and agilities training two days a week. The students will learn the proper techniques of weight lifting and a variety of agilities, polymeric and aerobic activities. Students will be involved in muscular strength and muscular endurance programs.

PE I

1 Trimester, ½ Credit
Grade 9-10

P.E. I is a general Physical Education class. Basic knowledge of rules, strategies, technique, safety, teamwork, and sportsmanship will be emphasized.

PE II

1 Trimester, ½ Credit
Grades 10-12
Pre-requisite: PE I

A variety of team, individual, dual, recreational and lifetime activities will be covered. Emphasis will be placed on skill assessment and development, knowledge of rules, strategies and basic concepts of each activity.

Fitness for Life

1 Trimester, ½ Credit
Grades 6-12

This course is designed to increase students' ability to participate in a variety of individual and team activities. Students will be introduced to activities that can help to build a life-long interest in being physically active. The class is open to any student who is not able to be successful within the regular PE class environment.

Science Department

Core Classes

Prepare students for **ANY** undergraduate major in Science or Engineering

Freshman	Integrated Science A & B*
Sophomore	Biology A & B*
Junior/Senior	Chemistry A & B, Physics A & B

***Graduation requirements** + 2 Trimesters of Science Electives

Honors Diploma courses include Chemistry, Honors Physics, & A.P. Biology.

Prerequisites *must be completed with C or higher before enrolling in electives.*

Classes and Electives

Int Sci A & B	Biology A & B
Int Sci A & B, Bio A & B	Field Biology A Survival Science A Human Anatomy A & B Medical Terminology A** Veterinary Science A** Natural Resources & Ecology A Plant Science A Animal Science A [Ag Dept.]
Int Sci A & B, Bio A & B Algebra I A & B	Chemistry A & B Astronomy A Planetary Science A Physics Concepts A & B†
Int Sci A & B, Bio A & B Algebra II A & B, Geometry A & B	Honors Physics A & B†
Int Sci A & B, Bio A & B Chem A & B (<i>B or Higher</i>)	A.P. Biology A & B

**Medical Terms & Vet Science do not count as a Science credit (they are general elective credits).

†Physics Concepts and Honors Physics alternate years.

Integrated Science

**2 Trimesters, 1 Credit
Grade 9-10**

Required prerequisite for biology, chemistry, and astronomy

Integrated Science brings together the essentials of the physical, Earth, and space sciences. The topics covered are those specified in the Oregon State Science Standards. These include the atomic structure of matter, the nature of chemical reactions, energy and its interaction with matter and the Earth, the changing Earth and its impact on life, and topics in astronomy including the Big Bang Theory, the formation of the solar system, the life cycle of stars and the various objects and structure of the universe. The goal of this class is to understand the nature of scientific knowledge and the principles that govern our physical lives and modern technologies. Successful completion of Integrated Science is a graduation requirement as part of the State required three credits of science. It also prepares students for the State Science OAKS Test.

Students in Integrated Science are required to have a spiral notebook dedicated to this class that is college ruled and at least 70 pages

Biology

**2 Trimesters, 1 Credit
Grade 10-11**

Prerequisite: Integrated Science

Biology is the study of the structure and functions of living organisms and their interactions with the environment. The topics covered are those specified in the Oregon State Science Standards. Species representing all five living kingdoms will be studied on the microscopic cellular level, species level, and population level. Major topics include: the structure and function of cells, the laws of heredity, the structure and function of DNA, the effect of species on the ecosystem, and the ways in which living species adapt to their specific environments. Lab Fee of \$10.00.

Advanced Placement Biology

**2 Trimesters, 1 Credit
Grades 11-12**

Prerequisites: Biology and Chemistry

The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year (a 200 level year-long college course). Students may elect to take the national A.P. Examination in the spring. Students who demonstrate themselves to be qualified on this exam may earn college credit in biology at some colleges and universities. Three major areas are covered: Molecules & Cells, Heredity & Evolution, and Organisms & Population. Grading will be based on Exam Scores (75%) and on Laboratory Reports (25%). An emphasis is placed on the themes and concepts of biology, the application of biological knowledge, quality lab work, technical science writing, and critical thinking. Lab Fee of \$10.00

Anatomy & Physiology

**2 Trimesters, 1 Credit
Grades 10-12**

Pre-requisite: Biology

An introduction to the structure and function of the human body. More than just memorizing bones and muscles, this class emphasizes the workings of the living body. Major topics include: tissues, bones, muscles, heart, the five senses, digestive system, nerves, and brain. Several major lab investigations are completed each trimester. Lab activities include work with bones, microscopic examination of tissues, measuring blood pressure, and specimen dissection. This class is a good preparation for those interested in careers in the health field or college studies in science. Lab Fee of \$10.00.

Chemistry

**2 Trimesters, 1 Credit
Grades 10-12**

Pre-requisites: Algebra I and Integrated Science

Chemistry is an exploration of how matter reacts to form different substances. Included are such topics as fundamental relationships between the common elements, atomic and molecular structure, the periodic table, chemical bonding, families of elements, behavior of the three phases of matter, chemical equilibrium, reaction rates, oxidation-reduction, the kinetic theory of matter, and simple organic chemistry. Students will perform experiments related to the material at hand to discover the principles of chemical systems. Basic laboratory procedures and techniques will be learned. Lab Fee of \$20.00.

Physics

**2 Trimesters, 1 Credit
Grades 11-12**

Pre-requisites: Algebra I and Integrated Science

Physics is a study of the interactions of matter and energy where not new substances are formed. The study of physics falls into five major categories: Mechanical, Heat, Electrical, Waves, and Nuclear Physics. Physics is a lab-oriented course. Knowledge of the physical world will be increased by concentrated study of ideas that characterize physics as a science. Cause-effect relationships will be studied and techniques of data analysis will be learned. Lab Fee of \$10.00.

Astronomy

**2 Trimesters, 1 Credit
Grades 10-12**

Pre-requisites: Algebra I and Integrated Science

Astronomy is the study of the components of the universe. Our solar system, stars and star systems will be studied through direct observation as well as through analysis of the data acquired from other scientific sources. Direct observation of the night sky will be done using telescopes available at Cascade. Also, use of the Internet to download images from a number of large telescopes positioned around the world and in space will provide images and data for the labs in this class. Astronomy is an ever-expanding and exciting science with many recent advances in knowledge made possible because of rapid advances in technology. Lab Fee of \$10.00.

Introduction to Medical Terminology

1 Trimester, ½ Credit

Grades 11-12

Pre-requisite: Biology

An introduction to medical language with a focus on the basic, essential terminology. Study will include the construction and spelling of medical words, organization of the body, medical specialties, diagnostic tests, medical procedures, diseases, disorders, and common abbreviations and symbols. A variety of activities will aid in the memorization and use of medical terms including: individual study assignments, flash cards, computer lab activities, and analysis of medical case reports. Purchase of Textbook Required.

Field Biology

1 Trimester, ½ Credit

Grades 10-12

Prerequisites: Biology

Field Biology is a truly hands on class. Students will learn about our local ecosystems by discovering the flora and fauna of our area. Field Biology will have very active components about it, so students will be required to be willing to work in the forest cutting trees, dragging brush and being active in the class. Within the classroom, students will be required to know the local environment, dynamic interactions of our local ecosystems, and our relationship to the global ecosystem. Students interested in forestry, ecology or the biological sciences are encouraged to take this class.

Planetary Science

1 Trimesters ½ Credit

Grades 10-12

Prerequisites: Algebra I and Integrated Science (This is the other half of Astronomy, but Astronomy is not a required prerequisite)

Planetary science is the study of the components of Earth and other planets in our solar system. Our Earth will be studied through direct observation as well as through analysis of the data acquired from other scientific sources. Earth will be used as a model for how planets in our solar system function. Also, use of the Internet to download images from a number of large telescopes positioned around the world and in space will provide images and data for the labs in this class. Planetary Science is an ever-expanding and exciting science with many recent advances in knowledge made possible because of rapid advances in technology.

Survival Science

1 Trimesters, ½ Credit

Grades 10-12

Prerequisites: Integrated Science

Could you survive without modern technology (think zombie apocalypse)? Survival science focuses on the basics of science that modern life takes for granted such as: pure water, electricity, central heating, medical care, garbage disposal, and communication. We will cannibalize existing technology and learn to survive in the event of a major disaster (natural or other). This class will be hands on and project based with a focus on working together as a group.

Lab Preparator

1 Trimester, ½ Credit

Prerequisites: Previous laboratory experience and approval of AP Biology, Chemistry, and Physics teachers required

Duties may include cleaning glassware and related laboratory equipment, setting up lab equipment for classes, light filing and other general support activities for the Science Department. Other laboratory tasks may be assigned as needed. Must be able to work independently. Repeats for this course are allowed and encouraged.

Second Language

Honors Diplomas require a minimum of three successful years of sequential language study. Placement tests are available through the department. Credit by exam is not an option.

Spanish I

**2 Trimesters, 1 Credit
Grades 8-9**

This course covers all aspects of the Spanish language and its culture through listening, speaking, and writing skill development. As the course progresses, students will learn to master the increasing difficulty of these communication skills in the areas of vocabulary, verb tense, sentence structure, pronunciation, idiomatic expressions and personal conversation in a variety of situations.

Emphasis is placed on using oral language proficiently to communicate a message. Vocabulary and grammar skills are learned primarily through written and oral practice both in and out of class.

Spanish II

**2 Trimesters, 1 Credit
Grades 9-10**

Prerequisite: Spanish I or Placement Test

This course covers all aspects of the Spanish language and its culture through listening, speaking, reading, and writing skill development. As the course progresses, students will learn to master the increasing difficulty of these communication skills in the areas of vocabulary, verb tense, sentence structure, pronunciation, idiomatic expressions and personal conversation in a variety of situations.

Emphasis is placed on using oral language proficiently to communicate a message. Vocabulary and grammar skills are learned primarily through written and oral practice both in and out of class.

Spanish III, IV, V

**2 Trimesters, 1 Credit each
Grades 10-12**

Prerequisite: Spanish II (III) or Placement Test

This course covers all aspects of the Spanish language and its culture through listening, speaking, reading, and writing skill development. As the course progresses, students will learn to master the increasing difficulty of these communication skills in the areas of vocabulary, verb tense, sentence structure, pronunciation, idiomatic expressions and personal conversation in a variety of situations.

Emphasis is placed on using oral language proficiently to communicate a message. Vocabulary and grammar skills are learned primarily through written and oral practice both in and out of class. Service learning projects are integrated into several units. Transferrable College Credit is available starting with Spanish 3.

Social Studies

Global Studies

**2 Trimesters, 1 Credit
Grade 10**

This course provides the student with a basic economic, cultural, political, and geographical perspective of the world. Beginning with simple geographic skills and concepts, the course expands into studies of selected regions and nations of the world with a strong emphasis on contemporary world events and issues facing our world.

United States History

**2 Trimesters, 1 Credit
Grade 11**

US History-A emphasizes historical foundations of US Government and the Civil War through the 1920s. US History-B covers the twentieth century topics from the 1920's through the 1970's. Both courses require an extensive project, which requires work outside of the classroom.

AP U.S. History

**3 Trimesters, 1½ Credits
Grades 11-12**

Advanced Placement U.S. History traces the political, social and economic forces in the United States from early exploration to present. The AP program provides an opportunity for students to receive credit for college level course work completed while in high school. It also helps improve writing, research, and critical thinking skills that will be necessary upon entry into college level work.

Personal Finance

**1 Trimester, ½ Credit
Grade 11**

Personal Finance is a required class designed to help Juniors become aware of their responsibilities as a wise consumer in the American society. The class attempts to help students cope better with employment and financial matters that will confront them as adult consumers.

Economics

**1 Trimester, ½ Credit
Grade 12**

This course educates the students about the allocation of our scarce resources. The major economies of the world are looked at briefly, and the U.S. market economy is studied in depth. This practical course will aid the future business leaders, future corporate officers, and future informed citizens.

Contemporary Issues

**1 Trimester, ½ Credit
Grade 12**

Contemporary Issues deals with international, national, state, and local problems and challenges facing our society today. The issues studied are global, political, and/or economic in nature. An effort is made to give the students a background in these issues so they may objectively formulate their own opinions.

American Government

**1 Trimester, ½ Credit
Grade 12**

American Government covers: Comparative governments, Federal Government (Executive, Legislative, and Judicial branches), the U.S. Constitution, state and local governments.

AP U.S. Government & Politics

**1 Trimester, ½ Credit
Grade 12**

Advanced Placement U.S. Government & Politics is mostly for students who have completed AP U.S. History. In preparing for the AP exam in May, we cover Constitutional Beginnings, Political Development, Interest Groups, Media and Political Parties, Institutions of National Government, Public Policy and Civil Liberties & Civil Rights. Students performing well enough on the exam will earn college political science credit.

Psychology

**1 Trimester, ½ Credit
Grades 10-12**

This course is designed to help students better understand themselves and others through the study of human behavior. It will also help students who plan to go on to college and take further courses in psychology. A major effort is made to make the course as relevant as possible to the student. Relating important psychological concepts to the personal life of the student is emphasized.

Sociology

**1 Trimester, ½ Credit
Grades 9-12**

If you like to watch people and try to figure out why they do what they do, you will like sociology. Where psychology looks at the ways individuals act, sociology looks at the way groups act. We study Culture & Social Structure, the Individual in Society, Social Inequality and Social Institutions.

Holocaust Seminar

**1 Trimester, ½ Credit
Grades 9-12**

A reading and discussion based class, the Holocaust Seminar studies the entirety of this genocide, from the history of the Jews through the war crime trials. The class is divided into four parts: Jewish History & Anti-Semitism, Rise of Nazis & First Solution, Second & Final Solution, and Contemporary Genocides. An excellent course for interested and dedicated

students of history.

History of Rock and Roll

**Trimester, ½ Credit
Grades 9-12**

This elective class delves deeply and fully into the entire history of rock and roll, from the influences of jazz, gospel, country/western and R & B to early pioneers of Chuck Berry and Elvis Presley. We progress through eras such as the British Invasion, Motown, Punk all the way to Alternative Rock. Highly interactive activities abound as students learn about protest songs, song writing, videos, and album cover art.

History of Aviation

Aviation has made the world a smaller place. In this course we will trace the development of the industry from the early days of stick and fabric biplanes all the way to the present drone age. Be prepared to take some intellectual risks and to work with your hands!

Law in America

**1 Trimester, ½ Credit
Open to all grades, though 11-12 are preferred**

We live in a society saturated in law. This course will provide practical information to students, and problem solving opportunities that will develop the knowledge and skills necessary to succeed in this law-saturated society. This course will introduce students to the history and the various aspects of law. It is my hope that the course will stimulate a real interest in law and law in society.

Student Aides

Attendance Aide

**1 Trimester, ½ Credit
Grades 11-12**

Recommendation: Vice Principal

This student must have a good attendance record, be self-motivated and accurate in their work, respect confidentiality, and be able to work quietly in the office and in the hallways when delivering notes to teachers. Duties will be filing and running errands.

Counseling Office Aide

**1 Trimester, ½ Credit
Grades 11-12**

Recommendation: Registrar and/or Counselor

A student is chosen based on counselor and administration recommendations. Good attendance and respect for confidentiality are requirements for this position. The main duties are to go to individual classrooms for students as needed. Other work is designated by the registrar depending on priorities at the time. Because these responsibilities will vary on a daily basis, the remainder of the time scheduled may be used as a study period.

Library Aide

**1 Trimester, ½ Credit
Grades 10-12**

Recommendation: Librarian

The position of library aide is a work-oriented job. Emphasis is placed on the clerical duties necessary to a smoothly functioning library. Students will be expected to arrive punctually, complete assigned tasks, and show personal initiative.

Main Office Aide

**1 Trimester, ½ Credit
Grades 11-12**

Recommendation: Secretary and Administrators

Attendance, promptness and a neat appearance are required for this job as they would be in any office. Students must be able to answer the telephone and take messages, file and work on the computer. They must also be able to follow directions, respect confidentiality, and be courteous and helpful to parents, visitors, students and staff.

Miscellaneous Classes

Reading Intervention

**1 Trimester, 1/2 credit
Grades 11-12**

Recommendation: Instructor permission required

Elementary Reading Interns are assigned to work at the Elementary schools to help struggling readers. With training, they are expected to deliver intervention curriculum, monitor progress, and help students with their educational needs as well as act as positive role models. Elementary Reading Interns must get permission from the Elementary Instructional Coach and the assigned teacher and must have access to transportation to and from the school.

Driver Education

**¼ Credit
Summer Only**

This class is highly informative, practical and valuable for all young drivers, whether just starting to drive or already licensed. Thirty hours of classroom study is followed by a minimum of six hours of guided practice behind the wheel and at least six hours of observation. The class is currently taught during the summer and students must have a learner's permit before the behind-the-wheel training can be taken.

Work Experience I

**1 or 2 Trimesters, ½ Credit or 1 Credit
Grade 11-12 (Age 16 or older)**

This opportunity allows students to earn credit for holding paid jobs outside of school. Written assignments and documentation of hours worked required. One credit = 130 clock hours. Arranged by student and parent, assisted by Vocational Specialist and approved by Counselor.

Student Leadership

Prerequisites: Students must be elected to Student Councilin order to be in the class.

This course will develop leadership skills and tools for today's student leaders. The course will also explore the philosophy of leadership, and how to successfully implement these skills in every day life. Student leaders will develop leadership skills and grow as a leader through planing, organizing, and implementing class-wide programs along with school-wide activities. Participants will gain an understanding of leadership philosophies and models through coursework, and will implement them into their own lives. Students will also focus on and develop their own idea of what leadership means to them, and how to be a successful leader in high school and in the future. Student leaders will also complete one service learning project throughout the year.

Updated 10-12-17

CASCADE HIGH SCHOOL FOUR-YEAR PLAN

Name _____

Year of Graduation _____

FRESHMAN YEAR	SOPHOMORE YEAR
English I or Advanced English I Integrated Science Mathematics _____ PE I Health I Computer Application Elective Choices _____ _____ _____ _____	English II or AP English Language Biology Mathematics _____ Global Studies Elective Choices _____ _____ _____ _____
JUNIOR YEAR	SENIOR YEAR
English III or College English III Science _____ Mathematics _____ US History Personal Finance Health II Elective Choices _____ _____ _____ _____	English IV or AP English Literature Economics Contemporary Issues Government Elective Choices _____ _____ _____ _____

ADDITIONAL REQUIRED CLASSES: The Arts – 2.5 credits (Business, Woods, Drafting, Mechanics, Metals, Agriculture, Family Studies, Art, Music, Drama, Creative Writing)
 Second Language – 2 credits (if planning to attend a 4 year College or University)