

2018-2019

ACADEMIC PLANNING GUIDE



RAINIER JR/SR HIGH SCHOOL

28170 Old Rainier Road
Rainier, Oregon 9704

www.rainier.k12.or.us

(503) 556-4215

Our mission is to build a *spirited learning community that is student centered, safe, academically focused, and dedicated to preparing every student for success in the global society in which we live.*

Purpose of Academic Planning Guide

Long range planning is essential for the attainment of goals and dreams. This guide is a document that students and parents can use to develop a course of study to complete the requirements for a high school diploma and choose courses that will prepare them for their future plans.

This guide lists courses offered at RJSHS, as well as giving you a brief description of each course. As we begin our process to determine the class schedule, it is important that you know that we develop our schedule based on student forecasting. Classes not receiving sufficient interest will not be offered. It is important that students and parents carefully choose classes so that we can build a course schedule that meets student needs.

Please read the information in this guide carefully as you develop a plan for your future.

Table of Contents

Academic Policies	2-4
College Credit Opportunities	5-6
Graduation Requirements	7-11
COURSE DESCRIPTIONS	12
English Language & Literature	13-14
Social Sciences & History	15
Life/Physical Sciences	16-17
Mathematics	18-19
Physical Education	20
Health	21
World Language - Spanish	21
Fine/Applied Arts/Music	22-23
Business Education/ Senior Project	24
Career and Technical Education	25
Agricultural Science and Technology	26
Other Electives	27-28

Academic Policies

Credits

Credits are the units we use to measure academic progress. All classes are 0.5 credits per semester. A semester class earns 0.5 credits; a full-year class is 1 credit. Students need at least 25 specific credits to graduate. Students may earn 7 credits in a regular schedule each year or 28 credits in four years. Students should plan to take a full load of classes all four years to prepare for study beyond high school.

Class Attendance

Reliable attendance and punctuality are critical life-long skills. Performance in class through collaborative activities is essential to student learning and assessment, but students must be present to participate. For students to reach their full potential, it is crucial to avoid absences.

Grades

Grade point average (GPA) is computed on a four-point scale: A=4, B=3, C=2, D=1, and F=0. Grades are not weighted according to difficulty of subject content; however many colleges give greater value to grades received in advanced courses.

Athletic/ Activity Eligibility

In addition to the academic program, students may develop important skills through sports, student government and a variety of clubs. Students are eligible for activities and athletics as long as they have

- Passed five semester courses the previous semester and are enrolled in at least five semester courses currently.
- Met the minimum satisfactory progress towards graduation and fulfilled the credit requirements set by OSAA.
- Not been declared ineligible by administration.
- Not been dropped from the activity or sport by the Advisor or Head Coach.

Availability of Courses

Students forecast for the next year's classes in the spring when they request classes with the input of their teachers, counselors and parents. The forecasting process will specify which classes are required at each grade level. Students should choose at least three alternate elective courses in case their first choice electives are not available or are cancelled based on forecasting interest or staffing.

Changing a Class

Class schedules are final after the first ten days of classes. Any legitimate schedule change must be requested before the tenth day and approved by administration. The school reserves the right to change student schedules if needed to balance class loads.

Dropping a Class

Before the tenth day of the semester, students with a legitimate reason, such as lack of Prerequisite or inappropriate placement, may request a class be dropped. Dropped classes will not show up on transcript. Dropping a class after the first ten days will result in a WF on their transcript which impacts their GPA as an F.

Repeating a Class for Credit

Classes marked with “#” may be taken more than once for credit.

Students may repeat a required class for credit if:

- The initial grade in the course is a D or F.
- On the second attempt, the student must earn a “C” or better to get credit for the course.

The grade received the first time will remain on the transcript, along with the grade received the second time. Both grades will contribute to the student’s GPA. Permission to retake a required class will depend on space available in that class.

Credit Recovery

Students may make up classes they have previously failed by completing

- On-line accredited high school courses
- Summer School
- Courses at other accredited educational institutions

Please consult with your counselor for the option that is best for you.

High School Credit Earned in Middle School

Courses completed for high school credit taken prior to ninth grade will be recorded on the transcript and included in the cumulative grade point average. High school credit will be granted unless specifically requested otherwise in writing by the parent. Courses will be shown in chronological order on the transcript. Once a middle school student receives high school credit they may not take the course again at the high school to improve their cumulative grade point average. Middle school staff will notify parents of the option for having the credit removed from the transcript. The removal form must be completed before the end of the first 12 weeks of the student’s freshman year. Copies of the parent’s request will be maintained in the student’s cumulative file at the high school.

Late Arrival/Early Release for other Credit Programs

Freshmen and sophomores are required to take seven courses each semester. Juniors and seniors may be granted an early release or late arrival for the following reasons:

- Structured work experience for credit
- Completing a service learning project for credit
- Completing an internship in the community
- Accessing off-campus college opportunities
- Other reasons approved by administration

An application form must be filled out and approved by parent, counselor and principal.

Elective Credit by Work or Volunteer Experience

The Work Experience Program allows students to earn high school credit while learning important life skills through employment and/or volunteer work. Forms and requirements are available in counseling office.

Valedictorian and Salutatorian Selection

Those students on an Honors Diploma who earn the highest grade point average and rank number one in the class by the end of the eighth semester or equivalent for early graduation, will become class valedictorians. In the event of ties, all students who earn the top GPA will receive this award. Students must be enrolled full time in both junior and senior years.

Students on an Honors Diploma who earn the second highest grade point average in the class by the end of the eighth semester or equivalent for early graduation will become class salutatorian. In the event of ties, all students who earn the second highest GPA will receive this award.

While recognition for class honors is primarily one of academic achievement, the Rainier School District, reserves the right to deny or to revoke class honors to any student who is found to have engaged in illegal actively and/or behaviors contrary to school policies and rules which bring dishonor to himself/herself or to the district while enrolled in high school. Such a decision to deny class honors shall be made by the high school principal and shall be subject to the appeal to the district superintendent, whose decision shall be final.

College Credit Opportunities

Students have several options to earn college credit while still enrolled in high school. College credit opportunities are subject to change based on teacher certification.

Dual Credit

Students enrolled in the following courses have the opportunity to earn college credit. Teachers will review specific requirements for each course.

Oregon Tech (OIT)

RJSHS Course Title	OIT Course #	College Credit
English Composition	Writing 121	3 credits
Fund. of Public Speaking	Speech 111	3 credits
Writing Arguments	Writing 122	3 credits
College Algebra	Math 111	4 credits
Trigonometry	Math 112	4 credits

Clatsop Community College

RJSHS Course Title	CCC Course Title	College Credit
Advanced Studio Art	ART 115	3 credits
Advanced Welding	WLD 101	1-10 credits
	WLD 150	1-9 credits
Computer Applications	OA121, OA201, CSL107, MIC207, MIC145	2-14 credits
Accounting 1	BA 131	3

Portland Community College

RJSHS Course Title	PCC Course Title	College Credit
Animal Science	VT 101	3

Tillamook Bay Community College

RJSHS Course Title	TBCC Course Title	College Credit
Advanced Welding	AG 221, WLD 111, WLD 112	3-11 credits
Animal Science	ANS 121	4 credits

Umpqua Community College

RJSHS Course Title	UCC Course Title	College Credit
Agricultural Business	AG 120	3-4

Lower Columbia College

RJSHS Course Title	LCC Course Title	College Credit
Computer Applications	BTEC 104, BTEC 100	3-8
Accounting	ACCT 101	5

Rainier School District Regular Diploma Requirements

Please contact the High School Counseling Office for more details.

Category	Credits
Applied Arts/Fine Arts/World Language	3
English	4
Health	1
Mathematics (must be Algebra 1 level and above)	3
Physical Education	1
Science	3
Social Studies	3
Consumer Finance and Economics (Senior Project)	1
Electives	6
Total Credits	25
Personalized Learning	
Educational Plan & Profile	X
Career-Related Learning Experiences	X
Extended Application (Senior Project)	X
Essential Skills	
Read & Comprehend a Variety of Text	X
Write Clearly & Accurately	X
Apply Mathematics in a Variety of Settings	X
*Please note that graduation requirements are subject to change based on changing Oregon Department of Education graduation requirements	

Rainier School District Honors Diploma Requirements

Please contact High School Counseling Office for more details.

Must have a 3.5 GPA and meet the following requirements including all Personalized Learning Goals.

Category	Credits
Applied Arts/Fine Arts	2
World Language	2
English-Honor Level	4
Health	1
Mathematics (must be Algebra 1 level and above)	4
Physical Education	1
Science-At least 1 credit at College Prep Level	3
Social Studies	3
Consumer Finance and Economics (Senior Project)	1
Electives	7
Total Credits	28
Essential Skills	
Read & Comprehend a Variety of Text	X
Write Clearly & Accurately	X
Apply Mathematics in a Variety of Settings	X
Science	X
*Please note that graduation requirements are subject to change based on changing Oregon Department of Education graduation requirements	

Rainier School District Modified Diploma Requirements

Category	Credits
Applied Arts/Fine Arts/World Language	1
English	3
Health	1
Mathematics	2
Physical Education	1
Science	2
Social Studies	2
Consumer Finance and Economics (Senior Project)	1
Electives	11
Total Credits	24
Personalized Learning	
Educational Plan & Profile	X
Career-Related Learning Experiences	X
Extended Application	X
Essential Skills*	
Read & Comprehend a Variety of Text	X
Write Clearly & Accurately	X
Apply Mathematics in a Variety of Settings	X
*Essential skills assessments may be modified consistent with modifications student has been receiving.	

Rainier School District Extended Diploma Requirements

Category	Credits
Applied Arts/Fine Arts/World Language	1
English	2
Health	1
Mathematics	2
Physical Education	1
Science	2
Social Studies	3
Total Credits	12*
*Of the 12 credits, no more than 6 may be earned in a self-contained special ed. classroom.	

Assessment Options for Essential Skills

Essential Skills	Assessment Options (Only One Assessment Per Skill)	Achievement Standards (Lower levels may be set by ODE)
<p>READ and comprehend a variety of text</p> <p>AND</p> <p>WRITE clearly and accurately</p>	Smarter Balanced English Language Arts Assessment	2682
	ACT	18/19 (Read/Write)
	PLAN	18
	Work Keys	5
	Compass	81
	ASSET	42
	SAT	440/460 (Read/Write)
	PSAT	44
	2 Reading Work Samples: at least one informational reading selection (the second reading selection may either be informational or literary)	Score: 12 across the three required traits for each work sample (each trait must receive an individual score of at least 3). Work samples are locally scored with the Official State Reading Scoring Guide
	2 Writing Work Samples (one each for all of the following): Expository, Persuasive, and Narrative	Score: 4 on each of the four required traits for each of the three work samples. Work samples are locally scored with the Official State Writing Scoring Guide
<p>Apply MATHEMATICS in a variety of settings</p>	Smarter Balanced Math Assessment	2718
	ACT	19
	PLAN	19
	Work Keys	5
	Compass	66 (Intermediate Algebra Test)
	ASSET	41 (intermediate Algebra Test)
	SAT	450
	PSAT	45
	2 Math Work Samples (one each for two of the following: Geometry, Algebraic Relationships, and Statistics/Probability)	Score: 4 on each of the four strands plus accuracy. Work samples are locally scored with the Official State Math Problem Solving Scoring Guides.

Assessment Options for Essential Skills (continued)

For students on IEPs or 504 Plans: School districts and public charter schools may administer modified work samples or OAKS assessments consistent with the requirements of the student's IEP or 504 Plan. When modifying and OAKS assessment, the school district or public charter school must also ensure that the modifications* are in compliance with section 4(D) of OAR 5481-022-0610: Administration of State Tests. Modified OAKS assessments will remain invalid for purposes of school and district accountability.

For student who are not on an IEP or a 504 Plan: School districts and public charter schools may only administer modifications* to work samples that are consistent with the modifications the student has received during instruction. Students must have received those modifications during instruction in the content area to be assessed and in the year in which the work sample is administered. These modifications must be approved in advance by the student's school team responsible for monitoring the student's progress. Students who are not on an IEP or 504 Plan may not receive a modified OAKS assessment.

**Modifications, as described in OAR 581-22-0610, are changes to the achievement level, construct, or measured outcome of an assessment. This means that IEP or school teams responsible for approving modifications for a student's assessment may adjust the administration of the assessment and/or the assessment's achievement standard.*

For LEP Students: Limited English Proficient students who have not had sufficient time in the US to gain the English language skills necessary to demonstrate their academic content knowledge who are able to meet all other graduation requirements, including credit completion, have the following options in meeting the Essential Skills requirements:

1. Eligible LEP students may demonstrate proficiency in Applying Mathematics in their language of origin using statewide or local assessments as appropriate and available.
2. Eligible LEP students may demonstrate proficiency in Reading, Writing, and any additional Essential Skills in their language of origin using statewide or local assessments as appropriate and available if:
 - a. The student has been in the US schools 5 years or less, and
 - b. The student receives at least a level 3 (Intermediate) on the English Language Proficiency Assessment (ELPA) by graduation

Course Information

Credit: The unit of record given for the successful completion of any subject. Credits are earned by students as follows:

0.5 credit for each semester

1 credit for full year course

Prerequisite: A specific course (or courses) that must be taken beforehand.

Required Courses: Courses made mandatory by the Oregon Board of Education or Rainier School District. All students must pass each required course before a diploma will be granted.

Elective Courses: All other courses not listed as "Required." These courses allow students to pursue vocational or vocational interests.

Instructor Approval: Consent of an instructor to enroll in a class without completing the required Prerequisites.

Course title	Brief Description of Course
Advanced Welding	This year long course includes the basic skills, safety, and technology of shielded-metal arc welding (SMAW), oxy-acetylene (OA) welding and cutting, project design, and CNC plasma cutting. The class focuses on beginning career skills, safety, work ethic, and career opportunities. This course uses a lecture/lab format, which includes classroom discussions, lab demonstrations, and shop time. Students will be required to follow all safety regulations and complete common metal-working projects in accordance with class and industry standards.
<i>Grade: 10, 11, 12</i>	
<i>Prerequisite: Introduction to Welding</i>	
<i>College Credit Option: 3-4 college credits: CCC & TBCC</i>	

English Language and Literature

9 Language Arts

Grade: 9

Students will communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards. Reading activities will cover a wide range of literary and nonfiction texts. Using and identifying textual evidence, and utilizing a variety of reading strategies will be mastered. Students will be accountable for learning new vocabulary while being assessed often. The emphasis is on adjusting to high school as we foster strong reading skills and written expression.

Graduation Requirement

(or Honors 9 Language Arts)

9 Language Arts - Honors

Grade: 9

Students will communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards. Students will cover a wider range and more advanced texts as well as delve deeper into both literary and nonfiction works in comparison with the 9th grade English course. Students will need to be organized, have a passion for improving their reading and writing, already have a strong work ethic, and be individually motivated to be successful in this course. Students must have earned an A or B in 8th grade English and Literature or have teacher approval to enroll. The emphasis is on adjusting to high school while learning how to delve into challenging topics as we foster strong reading skills and written expression.

10 Language Arts

Grade: 10

Prerequisite: 9 Language Arts

Students will communicate effectively through reading, writing, speaking, and listening as outline in the Common Core State Standards. Students should be prepared to actively engage in discussion, share their writing with others, and analyze complex texts. The focus will be on improving basic skills in both reading and writing to prepare for the 11th grade Smarter Balanced Assessment, including the emphasis of sentence combining to master complex sentence structures, vocabulary development, and close analysis of text. A variety of readings will be completed, encompassing non-fiction texts, novels, short stories, and poems. A research paper is also required.

Graduation Requirement

(or Honors 10 Language Arts)

10 Language Arts – Honors

Grade: 10

Prerequisite: 9 Language Arts with a B or higher, teacher approval

Theme: Power. Students will communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards during this fast-paced course. Students should be prepared to actively engage in discussion, share their writing with others, and complete homework daily. This class is intensive in reading, writing and critical thinking and will challenge students in these areas. Students will begin preparation for the 11th grade Smarter Balanced Assessment, and the ACT and SAT tests. As with all English courses, students are required to read 20 minutes a day at home. Studies prove that reading is the best way to improve comprehension, vocabulary, critical thinking skills and school performance.

American Literature

Grade: 11

Prerequisite: 9 & 10 Language Arts

Theme: The American Dream. American Literature is a glance at the history of writing in America. The curriculum is aligned with U.S. History and projects are often combined. Students will communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards. To accomplish these goals, we read a variety of sources including plays, novels, short stories, poems, and non-fiction pieces and prepare for passing the required Smarter Balanced Assessment. This class is intensive in reading, writing and critical thinking and will challenge students in these areas. Additionally, students are required to read 20 minutes a day at home. Studies prove that reading is the best way to improve comprehension, vocabulary, critical thinking skills and school performance.

Graduation Requirement

(or American Literature - Honors)

American Literature – Honors

Grade: 11

Prerequisite: 9 & 10 Language Arts, B or higher in previous English courses and teacher approval

Theme: The American Dream. This is a fast-paced course that will prepare students for college-level work. The curriculum is aligned with U.S. History to further delve into issues and gain a better understanding of the texts. Students will be expected to communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards. Students will work on SAT/ACT prep and prepare for and take the required Smarter Balanced Assessment. Additionally, students are required to read 20 minutes a day at home. Students planning on attending college should enroll in this course.

Graduation Requirement

(or 11 Language Arts)

12 Language Arts

Grade: 12

Prerequisite: 9 & 10 Language Arts, 11th grade American Literature

Theme: Have a Plan! Students will communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards. In this class, students focus on topics such as government, poverty, and human rights. This course will help students develop practical school and life skills and the curriculum is aligned with 12th grade courses Government and Consumer Finance to complete the required senior project. Additionally, students are required to read 20 minutes a day at home.

Graduation Requirement

(or College English)

College English

Grade: 12

Prerequisite: 3.0+ GPA in previous English classes, passing score on placement test instructor's approval

This course works with OIT to offer college-level classes and credits to students who are interested (WRI 121, WRI 122, SPE 111). Students will need to pass the placement test and pay for the college credits (9 credits total at \$75.00 per credit). If you qualify for free/reduced lunch, the fee is waived. Students will be required to purchase two books for the course. Writing 121 centers on developing college-level writing skills and will cover MLA citations. In Speech 111, students will give an introductory, process, informative, persuasive and encomium speech. In Writing 122, students learn how to write argumentatively and use APA citations. This is a challenging class that will require a commitment to completing coursework outside of the school day. *Students may choose to take this class but not receive college credit.

Social Science and History

World History

Graduation Requirement

Grade: 9

This is a required course for freshmen. The units include: An Introduction to Geography and Culture, Ancient cultures, Rome, The Dark Ages, Nationalism, The Industrial Revolution, Imperialism, Immigration, The 20th Century Political Revolutions, the World Wars, the Cold War. Over the course of the academic year students will be introduced to, and practice, a range of skills within the various disciplines of the Social Sciences. Students will work with maps, read and analyze primary source documents, and think critically about the complex world in which they live as well as their place in it. Students will present information to the class and be expected to contribute positively to the educational environment.

US History

Graduation Requirement

Grade: 11

Topics of study include: a review of American history before 1860, an in depth study of America since 1860 including Reconstruction, Imperialism, the Progressive Era, World War I, the Roaring Twenties, the Great Depression, World War II, civil rights, the Great Society, and recent presidents. It will also include American and world issues such as the Cold War, Korea, Vietnam, and the collapse of communism. Related economic, government, and geographic issues will be explored. Students will learn how past events have built and formed our culture and our country. The textbook will be a major source of information as well as movies, documentaries, newspaper clips, audiotapes, and other books. Special attention will be given to cause and effect relationships. There is an emphasis on reading, writing, and speaking to learn content.

Government

Graduation Requirement

Grade: 12

Government topics include: the three branches of government, federalism, citizenship, constitutional issues, the political spectrum and current political issues. Oregon State and local government issues will be explored. Course instruction will be based on textbook reading, lectures, class discussion and projects. There is an emphasis on reading, writing, and speaking to learn content.

Psychology

Grade: 11, 12

The nature and origins of mental and emotional experience are among the last and greatest unsolved scientific questions. Psychology is a field of study that examines these questions and attempts to apply the answers to practical problems. This psychology course provides a guided exploration and survey of major concepts, research, and theories that describe both animal and human behavior. Specific areas of study will include pseudo-psychology and critical reasoning, brain and body, learning and cognition, human development, consciousness, social psychology, sensation and perception. Students will also be expected to develop their own interpersonal skills and to monitor their own personal psychological well-being.

Sciences

Principles of Earth and Physical Science (PEPS)

Graduation Requirement

Grade: 9

Principles of Earth and Physical Science (PEPS) covers the basic concepts in Earth Science (weather, geology, hydrology, and astronomy) and Physical Science (chemistry and physics). The Earth Science portion of the course is an introduction to the parts of Earth. Students will investigate the lithosphere in a geology unit, the atmosphere in a weather unit, the hydrosphere in an oceans unit, the biosphere in a soils unit and beyond the atmosphere in an astronomy unit. The Physical Science portion of the course covers the basic concepts of chemistry and physics. Topics include lab safety and procedures, scientific method and measurements, atomic theory, periodic table, chemical reactions, nuclear reactions, motion, forces, energy, electricity, sound and light waves. Laboratory activities are a major part of this class, as well as weekly assignments out of the textbook. There is an emphasis on developing good study skills during the class. At least one science work sample meeting state requirements is will be offered each semester.

Advanced Physical Science

Grade: 11, 12

Prerequisite: PEPS and Biology

Advanced Physical Science is designed to build on and reinforce the concepts of physics and chemistry that were previously covered. These concepts correspond to the science benchmarks for physics and chemistry the student will encounter on the statewide science test. In Advanced Physical Science, we emphasize how physics and chemistry are used in the students' daily lives, and the effect it has on their lives. Laboratory activities are a major part of this class, although the textbook may be used occasionally for a class assignment, or for an individual student to make-up absences. Topics include laboratory safety and procedures; scientific method and measurements; physical and chemical changes; the periodic table, consumer chemistry and nutrition; and electro-chemistry. Additionally we will work with motion, including acceleration and projectiles; Newton's laws, including forces on a truss; work, power, and mechanical advantage, buoyancy, aerodynamics, and friction on boats; heat, energy transfer and kinetic theory as used to protect ice from melting; electrical circuits; and waves, including sound and electromagnetic radiation.

Physics – College Prep (Offered every other year)

Grade: 11, 12

Prerequisite: A or B in PEPS and Biology (or Teacher Approval)

CP Physics is designed for the college bound student. The class is structured to help students develop the study skills and behaviors that will allow them to be successful in college in general, as well as establishing a knowledge of the concepts of physics, which will help them to be successful in college level physics, if they choose to go in that direction. Additionally, they will gain an understanding and appreciation of how physics is involved in their daily lives. The class uses a textbook and homework, as well as making extensive use of a wide variety of laboratory activities. Mathematics and reasoning skills are developed and used throughout the year. Independent projects are required each quarter and may include the following: mousetrap-powered car, wind-powered lift, a truss, and a catapult. Topics include laboratory safety and procedures; scientific method and measurements; motion including accelerating objects, projectiles and satellites;

Newton's laws and the effect of forces on objects; work, power and mechanical advantage; buoyancy and aerodynamics; heat, energy transfer, kinetic theory and the changes of state; electrical circuits; and waves including sound and electromagnetic radiation.

Biology

Graduation Requirement

Grade: 10

Prerequisite: PEPS

This is a basic science class that explores the basic elements of Biology using labs, lectures and discussions, videos, and projects. Topics include the structure and function of cells, active and passive transport, cell division (mitosis and meiosis), DNA structure and its role in protein synthesis, Mendelian genetics, ecology and environmental systems, natural selection and evolution, and the role of classification systems in Biology. Additional topics include the structure and function of various plant structures as well as some basic Human Biology (heart, lungs, skeleton, and muscles). Numerous laboratory exercises are used as appropriate and work sample opportunities meeting state standards are incorporated each semester.

Zoology and Environmental Science

Grade: 11 & 12

Prerequisite: PEPS and Biology

This class is designed for the student seeking to complete a third credit in Science necessary for graduation but not necessarily interested in a science-related career. There are numerous lab activities in both semesters offering the opportunity for the student to improve science and reasoning skills as well as develop an appreciation for the world around them. The first semester explores life forms starting with simple bacteria and protozoa and continues to the more complex organisms of the animal kingdom. Animal groups studied include sponges, jellyfish, flatworms, roundworms, earthworms, snails, clams, octopus, insects, spiders, crayfish, sea stars, fish, amphibians, reptiles, birds, and mammals. The second semester involves a study of environmental science using a project that is strongly based on lab activities to discover the cause and develop a solution to an environmental scenario based on a real-life problem. Additional study involves developing measurement skills to explore the surrounding campus, its woodlands, and wetlands. Work samples that meet state standards for science inquiry are included in the class.

Anatomy & Physiology – College Prep (Offered every other year)

Grade: 11, 12

Prerequisite: C or better in PEPS and Biology (or Teacher Approval)

A full-year course that examines the human body's structure and function. The course begins with study of basic tissue structure, the skeletal system, and the muscular system. Additional study explores most of the body's organ systems and how they function. Dissection of a vertebrate specimen is included as well as lab work to explore the systems studied. A final project allows the student to utilize diagnostic skills learned in the class to diagnose and set up treatment plans for several "patients".

Mathematics

Algebra 1

Graduation Requirement

Grade: 9, 10, 11, 12

Prerequisite: Proficiency in Pre-Algebra 7/8/HS

Algebra is a college-track course in which our main goals are to provide a solid foundation for further mathematics education, primarily in courses such as Geometry, Algebra 2, Pre-Calculus, and Calculus and to provide formal preparation for standardized tests (SAT, ACT, etc.). You will develop your thinking, decision-making, and analysis skills in this course. Topics covered include equations, functions, proportions, and polynomials. A scientific or graphing calculator is required.

Geometry

Graduation Requirement

Grade: 9, 10, 11, 12

Prerequisite: Proficiency in Algebra 1

Geometry is a college-track course. To get into most colleges and universities, you will need to take the SAT (Scholastic Aptitude Test) or ACT (American College Test). Approximately 40% of the questions on both the SAT and ACT are geometry related. Topics covered include the language of geometry, proof, reasoning, angle classification, measurement, angle pairs, slope, parallel and perpendicular lines, distance, midpoint, classifying triangles, angle measurement in polygons, congruency, similarity, special segments in triangles, inequalities, trigonometry, circles, polygons and area, surface area and volume, and word problems. Scientific/graphing calculator is required.

Intermediate Algebra

Grade 10, 11, 12

Prerequisite: Algebra 1

This course can be taken in order to build algebra readiness for Algebra 2. Students may take this course to reinforce foundational Algebra skills after passing Algebra 1, concurrently with Geometry, or after Geometry. Topics studied in this course will include investigating patterns, monomial, binomial, and polynomial functions, introduction to trigonometry, statistics, and applications of geometry. Work samples and state testing opportunities will be given throughout the year. Scientific/graphing calculator is required.

Algebra 2

Graduation Requirement

Grade: 9, 10, 11, 12

Prerequisite: Proficiency in Algebra 1 & Geometry

Algebra 2 is a college-track course, and the minimum requirement for all 4-year colleges and universities. Topics covered include the expanding/connecting topics from Algebra1 and Geometry and introducing new topics such as Polynomial functions, finding zeros, complex numbers, exponential and Logarithmic functions, Trigonometry, word problems, probability and statistics. Scientific/graphing calculator is required.

Pre-Calculus

Grade: 10, 11, 12

Prerequisite: Proficiency in Algebra 2 and instructor approval

Pre-Calculus is a college track course and the recommended course for students entering a 4 year college or university. It is designed to prepare students for the study of calculus. Topics covered include functions, trigonometry, matrices, complex numbers, vectors, conics, statistics, and limits. A scientific or graphing calculator is required for this class. Scientific/graphing calculator is required.

College Prep Calculus

Grade: 11, 12

Prerequisite: Proficiency in Pre-Calculus and instructor approval

This college level class explores a variety of topics including: functions, limits, derivatives, and integrals. This class introduces students to real-life applications related to the topics stressing the ability to think logically and mathematically. Applications include, including graph analysis, linear motion, average value, area, volume, and growth and decay models. A graphing calculator is required for this class.

Math 111 (College Algebra)

Prerequisite: Instructor Approval and satisfactory completion (C or better) in Algebra 2

This is a college-level course with the option of college credit through the Oregon Institute of Technology. This course can satisfy your college freshman math requirement at most colleges and universities. Students will need to pass the placement test and pay for the college credits (\$30). If you qualify for free or reduced lunch, the fee is waived. This is a rigorous course with a more demanding work load than most high school courses including daily homework. The course will study functions including graphs, operations and inverses. Includes polynomial, rational, exponential, logarithmic functions and their applications, and systems of equations. Grading in this course is not proficiency based as it is a college level course. You will need a non-graphing scientific calculator. Students may choose to take this class but not receive the college credit.

Math 112 (College Trigonometry)

Prerequisite: Satisfactory completion (C or better) in College Algebra.

This is a college-level course with the option of college credit through the Oregon Institute of Technology. It is a continuation of Math 111 College Algebra. This course can satisfy your college freshman math requirement at most colleges and universities. Students will need to pass the placement test and pay for the college credits (\$30). If you qualify for free or reduced lunch, the fee is waived. This is a rigorous course with a more demanding work load than most high school courses including daily homework. The course will study trigonometric functions and their applications. Topics include graphs, identities, trigonometric equations, vectors and complex numbers. Grading in this course is not proficiency based as it is a college level course. You will need a non-graphing scientific calculator.

Physical Education

PE 9 and 10

Graduation Requirement

Grade: 9 (0.5 credit), 10 (0.5 credit)

This is a required course for freshman and sophomores. It is an activity-based class designed to teach basic sports skills, functional exercises, age-appropriate motor skills, citizenship, and sportsmanship to foster lifelong physical activity and healthy character traits. Content knowledge is infused within the curriculum to round out the development of the whole child: physical, mental, and social well-being.

Strength Training

Grade: 9, 10, 11, 12

A course designed to introduce the student to weight training, bodybuilding, and strength development through basic to advanced exercise and lift techniques. Areas include: circuit training, free weights, safety, stretching, and core muscle development. Technique is a major focus. The course includes beginning theories and techniques in fitness conditioning, bodybuilding and power lifting. This course is a PE Elective and cannot replace state required freshman/Sophomore PE.

Unified PE

Grade: 10, 11, 12

Prerequisite: Teacher Approval

Unified PE is physical education which may be adapted or modified to address the individualized needs of youth who have gross motor developmental delays. Activity will be appropriate for the person with a disability as it is for a person without a disability. In addition to the PE class, students will also have opportunity to be involved with Special Olympics Unified Sports either as an athlete or partner. Special Olympics Unified Sports is a program that combines approximately equal numbers of Special Olympic athletes and athletes without intellectual disabilities (partners) on sports teams for training and competition. We will learn and participate in a variety of games and activities from team and individual sports, to low impact games that you can play the rest of your life.

Lifeguarding

Grade: 10, 11, 12

To be eligible for the lifeguard-training course, the candidate must be 15 years of age on or before the final scheduled session of this course. The purpose of the American Red Cross Lifeguard Training course is to teach lifeguard candidates the skills and knowledge needed to prevent and respond to aquatic emergencies. The course covers basic swim strokes, CPR and First Aid skills. The class will provide workers for the pool. There is a fee for pool usage. If students want the Lifeguard or CPR card, there is an additional fee of \$5 for each card, which goes to the American Red Cross. **Cannot replace state required Freshman/Sophomore PE.**

Health

Health 9 and 10

Graduation Requirement

Grade: 9 (0.5 credit), 10 (0.5 credit)

Our health course is designed to provide each student with the knowledge and skills necessary to achieve and maintain an optimal state of well-being. Students will learn that health is primarily a matter of personal responsibility. A wide variety of activities will be presented to aid our students in their decision-making process. Units of study include nutrition, exercise science, human anatomy and physiology, sex education (parent request to opt out for alternative assignment is available), environmental health, personal hygiene, healthy relationships, first aid and CPR, communicable and chronic diseases.

World Language

Spanish 1

Grade: 9, 10, 11, 12

Prerequisite: C or better in last English course or instructor approval

Spanish 1 is a yearlong college-prep course that will ready you for travel abroad, communicating with relatives and for the 21st century workplace. Emphasis is placed on the vocabulary and grammar needed for speaking, reading and writing in Spanish. You will gain a general knowledge and understanding of the history, geography, and culture of the Spanish speaking worlds. Students must pass with a C- or better to move on to Spanish 2. *A workbook fee is required for this course.*

Spanish 2

Grade: 10, 11, 12

Prerequisite: C or better in Spanish 1 or instructor approval

Spanish 2 is a yearlong college-prep course that builds upon the vocabulary and grammar gained in Spanish 1. Students will learn about life in other countries as they develop their ability to communicate with other Spanish speakers. Emphasis is on communication in a variety of everyday situations. You will gain a deeper knowledge and understanding of the history, geography, and culture of the Spanish speaking worlds. *A workbook fee is required for this course.*

Fine/Applied Arts/Music

Studio Art

Grade: 9, 10, 11, 12

This one-year course introduces students to the Elements of Art and Principles of Design while developing drawing skills, painting techniques, and 3-dimensional art. Studio experiences in the classroom will give students opportunities to experience a variety of media (pencil, pen, ink, charcoal, pastel, watercolor, and acrylic paint) while developing student's individual style and creative problem solving skills. Students will demonstrate their ability to respond, to analyze, and to interpret their own artwork and the work of others through discussions, critiques, and writings. We will explore a wide range of materials not previously used in Junior High class. Students are graded on their artistic process (including daily progress and time use in class), work completion, and originality. Students are expected to adhere to a respectful, responsible, and safe working environment while in the art studio.

Ceramics & Sculpture

Grade: 9, 10, 11, 12

Prerequisite: B or higher in Studio Art or instructor's approval.

This is an introductory course to 3D art with an emphasis on 2D planning/sketching. Basic drawing skills are necessary to take this course.

This class is designed for students who have an interest in working with clay and other media to create three-dimensional works of art. During the fall semester, you will have opportunities to make both functional as well as sculptural pieces out of clay using a variety of techniques. We will explore a wide range of hand building skills in this class.

During the second semester we will explore other media for building sculpture such as paper mache, wood, soapstone, found objects, and metal wire. Introduction to traditional, historical, and contemporary ceramic and sculptural arts will be incorporated into each of the lab experiences. Students are graded on their artistic process (including daily progress and time use in class), work completion, and originality. Students are expected to adhere to a respectful, responsible, and safe working environment while in the art studio.

Advanced Studio Art

Grade: 10, 11, 12

Prerequisite: One year of Studio Art, B or higher in all art courses, and instructor's approval.

This class is an upper level course offered for serious art students who would like to undertake greater artistic challenges through the process of visual problem solving and individual creative inquiry. Advanced Studio Art a continuation of Studio Art with a focus on improving composition, technique, expression, inventiveness, originality, personal style, and conceptual skills in individual works of art.

Advanced students are expected to build upon previous knowledge by applying it to all studio work in the curriculum. The course will begin with an introduction to the basic techniques and approaches to 2-dimensional work with an emphasis on the development of perceptual skills and observational study. Assigned creative projects explore a variety of media, subject matter, and conceptual problems inspired by historical and contemporary artistic practice. Later coursework will include a focus on contemporary issues in 2 and 3-dimensional design.

Yearbook

Grade: 9, 10, 11, 12

Prerequisite: Teacher approval

In this course students will gain skills in one or more of the following areas: page design, advanced publishing techniques, copy writing, editing and photography while producing a creative, innovative yearbook which records school memories and events. Units of study include teamwork, responsibility, brainstorming, content, coverage, concept, reporting, headlines, captions, editing, photography, typography, design, graphics, advertising and distribution.

Concert Band

Grade: 9, 10, 11, 12

Prerequisite: Ability to read music and at least two years prior experience on a band instrument.

This class will focus on developing performance techniques for various musical styles. The band performs at concerts and music competitions. Band members are expected to play in the pep band at home football and basketball games. All band members will need special performance attire for concerts. Attendance at performances is mandatory.

Jazz Ensemble

Grade: 9, 10, 11, 12

Prerequisite: 2 years playing ability. Audition and concurrent enrollment in another ensemble

In jazz ensemble, students will learn to play in a variety of musical styles relating to jazz. Students will learn basic improvisational skills, and improve their personal and group playing abilities. Commitment to ensemble and willingness to improve skills is a priority. Students must have 2 years prior experience on a band instrument, piano, guitar, bass, or drum set. All instruments are encouraged to audition. Attendance at concerts is mandatory. Special uniforms are required. This class will meet during zero hour, which means it will start at 7:15am.

Concert Choir

Grade: 9, 10, 11, 12

Prerequisite: A desire to improve singing skills in a group setting.

This class will focus on performance techniques for various musical periods and styles. Emphasis will be placed on reading music, sound production and ensemble singing. There will be a number of performance opportunities including concerts, league and district choral competitions, and other community events. All choir members will need special performance attire for concerts. Attendance at all performances is mandatory.

Speech/Drama

Grade: 9, 10, 11, 12

This course is one semester of speech and one of drama. First semester is speech, where students will get an introductory course in public speaking. Students will be asked to research, write, and present speeches to the class on a regular basis. Second semester will consist of an introductory drama course. Students will learn basic terminology and skills related to theatre arts.

Business Education

Computer Applications

Grade: 9, 10, 11, 12

*College Credit Option: 10 Lower Columbia College credits or 12 Clatsop Community College credits**

Students demonstrate creative thinking and problem solving, construct projects, and develop innovative products and processes using the Microsoft Office Suite. Excel, Word, PowerPoint, Publisher, and Access are covered. Students are also taught to keyboard by touch and given daily opportunities to perfect this important skill. HTML basics are taught in order to promote a student-created business. Given time, students will learn the basics of game development in Multimedia Fusion and 3-D drawing in Google Sketchup.

*Entire year must be completed in order to gain college credit.

Accounting 1

Grade: 9, 10, 11, 12

College Credit Option: 5 college credits: Lower Columbia College, 3 credits: Clatsop Community College**

This course is an introduction to the basic principles of financial accounting. It includes the accounting cycle for service and merchandising companies. General and special journals, subsidiary ledgers, accounting for cash, end-of-period operations, worksheets, entries, and financial statements will be covered. An emphasis is placed on using accounting principles to solve business problems, with an emphasis on procedure rather than theory. Accounting provides students with hands-on experience by integrating Microsoft Excel to complete authentic financial instruments. Students will also explore employment opportunities in the accounting field.

*Entire year must be completed in order to gain college credit.

Senior Project

Consumer Finance and Economics

Graduation Requirement

Grade: 12

*College Credit Option: 3 credits through Lower Columbia College**

This course is designed to prepare individuals to make wise decisions in the marketplace. Students will examine their needs, wants, priorities, and resources. They will learn to budget their resources to reach their financial goals through creative problem solving. The information gained will help students make wise economic decisions about including choices about credit, transportation, housing, insurance, banking, and other financial concerns an individual faces. In addition, students will complete an employment unit which will result in completion of a job application, resume, letter of application, and ultimately a mock job interview and thank-you letter. A job shadow and completion of community service is integrated in this course. Basic economic theory will also be covered with a focus on how each concept is currently affecting the world and business environment. Entire year must be completed in order to gain college credit.

Career and Technical Education

Beginning Woods

Grade: 10, 11, 12

Students will become familiar with all tools in the woodshop by practicing safe and correct use of the machines. The machines will be practiced in progress of completion of projects. Shop safety is a main focus of this class, as it is continually practiced daily. Students will learn how to use measurement tools with accurate readings. Additionally, students will be exposed to a bill of materials for their projects being made and also to blueprint readings of projects. As the year progresses, the students will create their own project by creating step by step instructions, a list of materials and a sketch of the finish project.

Advanced Woodworking

Grade: 11, 12

Prerequisite: Beginning Woods

Advanced Woodworking courses introduce students to the various kinds of woods used in industry and offer experience in using selected woodworking tools. Students design and construct projects and practice preparing bills of materials. Correct and safe use of tools and equipment is emphasized. Students will be making projects to be displayed to the school and community which will have a focus on precision to procedures while making a show-worthy project.

Introduction to Welding

Grade: 9, 10, 11, 12

This year long course includes the basic skills, safety, and technology of shielded-metal arc welding (SMAW), oxy-acetylene (OA) welding and cutting. The class focuses on beginning career skills, safety, work ethic, and career opportunities. This course uses a lecture/lab format, which includes classroom discussions, lab demonstrations, and shop time. This is an outcome based course that allows students to work at their own pace within the confines of the class. Students will be required to follow all safety regulations and complete common metal-working projects in accordance with class and industry standards.

Advanced Welding

Grade: 10, 11, 12

Prerequisite: Introduction to Welding

College Credit Option: 3-4 college credits: Clatsop Community College & Tillamook Bay Community College

This year long course includes the basic skills, safety, and technology of shielded-metal arc welding (SMAW), oxy-acetylene (OA) welding and cutting, project design, and CNC plasma cutting. The class focuses on beginning career skills, safety, work ethic, and career opportunities. This course uses a lecture/lab format, which includes classroom discussions, lab demonstrations, and shop time. Students will be required to follow all safety regulations and complete common metal-working projects in accordance with class and industry standards.

Agricultural Science and Technology

Agriculture

Grade: 9, 10, 11, 12

This course is designed to give students the opportunity to learn about all aspects of agriculture. We will cover general knowledge of agriculture to expose students to career opportunities. Many of our units are aligned with Career Development Events (CDEs) to expose students to the FFA. Students will explore soils, ag sales, agriculture public speaking, parliamentary procedure, and plant and animal science. Additionally, we will explore different CDEs that students can choose as an interest area to learn about.

Forestry/Natural Resources

Grade: 10, 11, 12

Prerequisites: Agriculture

In the Forestry and Natural Resources course students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts (soil and water conservation, basic wildlife management, environmental law and regulations and government agencies, basic forestry, renewable energy, environmental systems). While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning.

Animal Science

Grade: 10, 11, 12

Prerequisite: Agriculture

This course is an in-depth look into the practices and principles of animal and veterinary science. Through hands-on labs and guided study, students will dive into a range of topics that includes exploration of careers, breeds, anatomy, digestion, diseases, biology, veterinary tools, parasitology, office management, animal control, and basic clinical exam techniques for large and small animals. This course is designed to approach veterinary science from a broad perspective as a means to assist students in applying animal science principles to their interest in animal management and care. This class will build a foundation for those high school students interested in the area of animal and veterinary science.

Agricultural Business

Grade: 11, 12

Prerequisite: Introduction to Agriculture

College Credit Option: 3-4 college credits Umpqua Community College

This course will develop and promote students' knowledge in the areas of agriculture business and leadership through the Rainier Agricultural Science and Technology Program. The course will focus on agricultural business and management techniques needed by those who are making the decisions within an agribusiness. The class will explore agricultural local and outside target markets, develop, and conduct agricultural industry competitive analysis. Students will gain academic, career, professional, and employability skills through the school's Career & Technical Education businesses. The high school's greenhouse business, CNC plasma cutting table, vinyl cutter, and livestock operation will be used as the context for this course. This course will also give students an opportunity to plan and carryout FFA chapter functions.

Other Elective Courses

Teacher/Office Assistant

Grade: 11, 12

Prerequisite: On track for graduation and teacher approval

The Teacher Assistant program is designed for the purpose of providing an experience for students who are genuinely interested in a career in education or aiding teacher/other staff members. Teacher Assistants will be expected to run errands/messages when asked, operate copy machines, be punctual, alphabetize, have good language/writing skills and have no more than 5 absences per semester. An application must be signed by the teacher and turned in to the office for placement

Leadership

Grade: 9, 10, 11, 12

Prerequisite: Required for elected ASB and class officers. All other student must apply.

This course will develop skills of leadership including communication, organization, planning and goal setting. Students will explore leadership and leadership styles in order to identify their personal leadership style. By incorporating leadership skills, the student will improve the environment for the student body, staff and community relative to Rainier Jr/Sr High School.

Nutrition Services Assistant

Grade: 11, 12

Prerequisite: On track for graduation and teacher approval

The Nutrition Services Assistant program is designed for the purpose of providing an experience for students who are genuinely interested in a career in the culinary arts field or aiding staff members in the kitchen. Nutrition Services Assistants will be expected to pan up and prepare food, operate the dish machine, be punctual, clean, and miss no more than 5 absences per semester. An application must be signed by the Nutrition Services Director and turned in to the office for placement.

Exceptional Child

Grade: 11, 12, or Teacher Approval

Prerequisite: Teacher Approval

Students enrolled in this class will work with the Life Skills students and be expected to do the following:

- Maintain confidentiality regarding academic, social, and program aspects for room 204 students as they relate to their developmental needs.
- Lead by example: following school rules, specifically, related to dress code and behavior.
- Maintain a daily reflection journal.
- Participate in class activities.
- Complete Disability Awareness project: research disabilities, complete power point, create obstacle course, and promote/implement project.

Career Readiness

Grade: 9, 10, 11, 12

This is an introductory course investigating topics relevant to the world of work around us. It is based around employment, career readiness and business. You will assist in running the print shop, preparing the backpack program, gaining leadership qualities, business etiquette, sales, advertising and the importance of

record keeping. You will gain job interview skills, build a resume and do a variety of jobs within the copy center, gaining hands on volunteer experience for your resume. There will be times that we will travel offsite to learn and gain career readiness skills through volunteer opportunities, job shadows and more. This course will also cover career readiness skills by incorporating the 12 Career Ready Practices.

AVID

Grade: 9, 10, 11

Prerequisite: Application

AVID (Advancement Via Individual Determination) is an elective course that prepares students for college readiness and success. In this year-long course, students receive instruction utilizing a rigorous college preparatory curriculum, tutor-facilitated study groups, motivational activities, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support academic growth.

Work Experience

Grade: 11, 12

Prerequisite: Application to school counselor

The School to Work Program is an opportunity for Junior or Senior students to earn high school credits while being employed at a job. A student may earn a 0.5 EL or VO credit for every 65 hours of documented work, up to 2 credits total.

2018-2019 High School Course Offerings

#	Course Title	Grade	#	Course Title	Grade
English Language/Literature			World Language		
01001	9 Lang Arts	9	06101	Spanish 1	9-12

010011	Honors 9 Lang Arts	9	06102	Spanish 2	10-12
01002	10 Lang Arts	10			
01051	Honors 10 Lang Arts	10	Fine/Performing Arts and Music		
01003	American Literature	11	05154	Studio Art	9-12
01054	Honors American Literature	11	05159	Ceramics & Sculpture	10-12
010040	12 Language Arts	12	051542	Advanced Studio Art	10-12
010041	Writing 121/122 and Speech 111	12	11104	Yearbook	9-12
			05102	Band	9-12
Social Studies/History			05105	Jazz Ensemble	9-12
04052	World History	9	05110	Choir	9-12
04101	US History	11	01199	Speech and Drama (05053)	9-12
04151	Government	12			
042541	Psychology (ORVA)	11-12	Business and Computer Science		
			10004	Computer Applications	9-12
Life/Physical Sciences			121041	Accounting 1	10-12
03001	Principles of Earth and Physical Sci.	9	22210	Consumer Finance and Econ.	12
03159	Advanced Physical Science	11-12			
03152	CP Physics	11-12	Career/Technical Education		
03051	Biology	10	1700611	Woodworking	10-12
03061	Zoology and Environmental Sci.	11-12	1700612	Advanced Woodworking	11-12
03053	CP Anatomy & Physiology	11-12	13207	Intro to Welding	9-12
			132072	Advanced Welding	10-12
Mathematics			18001	Agriculture	9-12
02052	Algebra 1	9-12	18502	Forestry/Natural Resources	10-12
02072	Geometry	9-12	18101	Animal Science	10-12
02054	Intermediate Algebra	11-12	18201	Agricultural Business	11-12
02056	Algebra 2	9-12			
02110	Pre-Calculus	10-12	Other Electives		
02121	College Prep Calculus	11-12	10995	Teacher Aide	11-12
02057	Math 111 & 112 (02103)	11-12	22101	Leadership	9-12
			22051N	Nutrition Services Assistant	11-12
Physical Education/Health			22051	Office Assistant	11-12
080519	9 Health and PE (080019)	9	19154	Exceptional Child	11-12
08051	10 Health and PE (08001)	10	221531	Career Readiness	9-12
08009	Strength Training	9-12	220031	AVID	9-11
8010	Lifeguarding	10-12	22151	Work Experience	11-12