Sequoia Choice Precision School
Graduation Plan Guidelines

Sequoia Choice Precision High School students must earn 22 credits to graduate from the school. If you have ANY questions about graduation plans or whether a particular class fits in a certain subject area, please contact the school counselor at 602-453-3661.

Students are required to demonstrate competency of Arizona State Standards in reading, writing, science, social studies and mathematics adopted by the State Board of education. Listed below are the requirements for graduation as determined by the Arizona State Board of Education R7-2-302.02.

Curriculum	Graduation Requirement	4-Year Arizona University Entrance
English	**4**	**4**
Math	**4**	**4**
Science	**3**	**3 Lab Science**
Social Studies	**3**	**3**
Foreign Language	**0**	**2**
Fine Arts/CTE	**1**	**1**
Total Electives	**7**	**6**
Total Credits Needed for Graduation	**22**	**23**
Course Credit Guidelines		

1. Sequoia Choice Precision School's commitment to minimizing course failure will be addressed with the schools' weekly grade check: where teachers will review and where necessary, prescribe remedial interventions where students are required to follow through as per SCPS Code of Conduct. Students who are not earning at least a 70% in Math and English courses will be provided intervention course and or tutoring until the students is able to demonstrate proficiency in the subject matter.
2. Credits applied toward high school graduation must be earned in grades 9 through 12. The only exception is Algebra taken during 8th grade and college level course taken at an accredited post-secondary institution.
3. Honors courses will receive a weighted grade point values. Weighted grade point values are possible because of higher expectations and greater rigor required in the work. The grade point values for these courses are: A=5.0, B=4.0, C=3.0, D=1.0 and F=0. Weighted grades are only granted when the student completes the entire course.
4. Class Rank/Weighted Grading: The Class Rank Index (CRI) model for calculation of GPA and class rank portrays a complete, holistic picture of student achievement. Students receive incentives for taking rigorous courses and are rewarded or taking maximum course loads. The index reflects SCPS's commitment to provide opportunities for all students to achieve and demonstrate academic excellence.
5. A student must attend at least 90 percent of class sessions to earn credit. Failure to meet this standard may lead to withholding of credit. Cases of prolonged illness will be reviewed by the school administration.

Explanation of Grades

All courses taught for credit receive a letter grade or a Pass/fail option. Grade Point Value and the percentage used to determine each grade are as follows:

Letter Grade or Code	Grade Point Average	Percentage	Explanation
A	4.0	90-100%	
B	3.0	80-89%	
C	2.0	70-79%	
D	1.0	60-69%	Students will be assigned to an intervention class/s and/or tutoring to improve their score at least to 70% to show mastery of the subject.
F	0	59%-below	
WD	Not Applicable		Withdrawn before grade was available
P	Not Applicable		Pass and does not affect GPA score

English Language Learners		
Level	**Focus**	**Time Requirement**
Pre-Emergent	-Conversational English and Academic Vocabulary/ English Reading -English Writing and Grammar	2-90 minute Blocks
Emergent	-Conversational English and Academic Vocabulary/English Reading -English Writing and Grammar	2-90 minute Blocks
Basic	-Conversational English and Academic Vocabulary/English Reading -English Writing and Grammar	2-90 minute Blocks
Intermediate	-SEI ELA -Academic English Reading, Writing and Grammar	1-90 minute Block covering Academic English Writing and Grammar 1-ELA course for English Credit If student scores Proficient in Reading AZELLA after their second year as an ELL student the Reading course may be waived. Same is true for the Writing portion of the AZELLA and waiving the Academic English **Writing** and **Grammar** course.

Transfer and Competency Credit

Curriculum Map							
	English		Math		Science	Social Studies	Elective
	Target	RTI- Reading 1,2	Target	RTI- Finance Math	Target	Target	
9th	English 9A, 9B		Algebra 1A, 1B		Biology A, B	WHG1, 2	TBD
10th	English 10A, 10B		Geometry 1A, 1B		Earth A, B	US/AZ 1, 2	TBD
11th	English 11A, 11B		Algebra 2A, 2B		Chemistry A, B	US Gov't or Political Science	TBD
12th	English 12A, 12B		4th Year Math		Environment A, B	Economics	TBD

Sequoia Choice Precision School accepts credits from other accredited secondary schools. We reserve the right, however, to accept, reject, and adjust[1] credits at our discretion. Students hoping to transfer credits must provide official transcripts from their former schools and consult with a Sequoia Choice Precision School advisor to determine how their courses will apply toward a Sequoia Choice Precision School diploma.

We do not accept home school credit. However, we do provide multiple ways for students to demonstrate competency for their home school courses and thus earn high school credit. Students may choose to challenge any of our core courses to earn credit. Challenges generally include some course work plus a challenge exam. Once the student has successfully completed the challenge at an 80% or better grade, credit will be granted for the course.

Other ways students can earn competency credit include: passing a higher-level course and earning credit for a lower-level course[2]; passing both halves of First-Year Composition or its equivalent for high school English competency; scoring high enough on the SAT or ACT in Math, English, or Science[3]; passing all or portions of the GED battery of tests; and scoring well on college placement exams. If an advisor believes a student has or will demonstrate competency in a way not listed, please consult the school counselor.

College Credit
SCPS grants college credit based on the following scale:

1 college credit course = 0.25 high school credit
2 – 3 college credit course = 0.5 high school credit
4 – 6 college credit course = 1.0 high school credit
7+ college credit course = 2.0 high school credits

The only exceptions is First-Year Composition and standard math courses, which always receive 1.0 credit. Most foreign language and all lab science courses are four college credits, so they naturally receive 1.0 high school credit.

If students believe that a course should be worth more credit (e.g. a three-credit college course should be worth 1.0 high school credit instead of 0.5 high school credit), they should contact the school counselor upon course completion and explain why. **Students should include the course syllabus with the written request**. Based on individual requests, we will evaluate the course's rigor, the amount of material it covers, and how much time the student spent on the course. It is very important that we document that the student asked for us to review the course for more credit. Such credit will be granted on a case-by-case basis, and if more credit is granted once for a course, this does not mean it will

[1] Adjustment simply means that we may assign the credit to a different category (such as Elective instead of PE), or that we will align it to Arizona state credit norms if the student is coming from out of state or from a private school that counts credit differently. A California course worth 10 credits is worth 1.0 credit in Arizona, for example.
[2] E.g. A student completes Algebra II and receives competency credit for Algebra I.
[3] Science is ACT only.

automatically be granted for subsequent students. College course content can vary depending on the teacher and the syllabus.

Excess and Duplicate Core Credits
Any credit that a student earns in excess of a core requirement will become elective credit. For instance, if a student takes another math course after already finishing 4.0 math credits, the new course will become an elective.
All duplicate credits either fall into electives or replace the original grade as retakes. If a student has 1.5 credits in Earth Science, for example, the extra 0.5 credit of it will be counted as elective or replace one half of the Earth Science credit.

Single quarter-credits in core courses will be counted as elective.

English
Students need four credits of English in order to graduate from high school. Credit may be earned through competency. Please consult the school's competency credit policy for more information.

Math
Students are required to pass Algebra I, Geometry, Algebra II, and one more math course, for a total of four credits, in order to graduate from high school. Credit may be earned through competency. Please consult the school's competency credit policy for more information.

If student's need extra preparation before beginning Algebra I, the student will be placed in Math for Financial Literacy course. This course will count as high school math credit.

Intermediate Algebra at the college is the same as Algebra II. If a student takes both Intermediate Algebra and Algebra II, one must count as elective credit. They cannot both count as math.

Personal Curriculum: This option is used sparingly. If a student and parent believe the student will be unable to pass Algebra II, they may request we create a personal curriculum for the student to take the place of the Algebra II requirement. The request should be made as the student starts his/her senior year. This personal curriculum will need to be approved by the principal, the counselor, and the head of the Math Department. Students should have successfully passed Algebra A/B and Geometry A/B. In place of Algebra II, the student will need to take **another math course** as part of the personal curriculum.

Lab Science
Students need three credits of Lab Science in order to meet a 4-year University entrance requirements.

If students choose to take a college lab science course to earn high school lab science credit, they must take both the lecture and the lab portion of the course. The course must also fulfill the SG/SQ or equivalent college requirement. If the lecture and the lab are graded separately, students must pass both in order to receive lab science credit. Any separately graded lab course will not earn any high school credit.

Social Studies
Students are required to pass World History, American or U.S. History, Economics, and American Government, for a total of three credits, in order to graduate from high school.

Civics Test Requirement for Graduation:
The American Civics Act (House Bill 2061) requires all students to pass a civics test in order to graduate from high school. Students must correctly answer at least sixty of the one hundred questions listed on a test that is identical to the civics portion of the naturalization test used by the United States citizenship and Immigration Services. SCPS shall document

on the student's transcript that the student has passed a test. A student who does not pass the test may retake the test until the student obtains a passing score.

The official list of 100 civics questions included on the naturalization test and free study materials are posted on the U.S. Citizenship and Immigration Services we site: http://www.uscis.gov/citizenship/learners/study-test/study-materials-civics-test.

Unlike English, math, lab science, and foreign language, it is generally not possible to take one college course for one full year's worth of high school social studies. Students who take college courses in place of their high school social studies courses must be careful to take both halves of American or U.S. History, World History, and Economics (macro and micro).

Western Civilization, Geography, and European History courses do not fulfill the World History standard. Likewise, Constitution courses do not fulfil the American Government standard. Questions on whether specific courses meet the Arizona state standards should be directed to the counselor and the Social Studies teacher of the corresponding course.

We will generally honor a course as fulfilling a Social Studies graduation requirement if counted as such by a previous Arizona public high school (e.g. AP European History counted as World History by the school that gave the course).

Foreign Language
Foreign Language is not a requirement to graduate from high school in Arizona. Please see the Academic Grad Plan section for more details.

Fine Arts
Students need half a credit of Fine Arts/Humanities/CTE in order to graduate from high school.

Quarter credits may be counted for Fine Arts credit.

Technology
Students need half a credit of Technology in order to graduate from our high school. Half of this credit usually comes from the Online Learning Essentials, or orientation, course.

Please note that just because a course is delivered through the internet does not make it a technology course. Examples of possible technology courses include: Keyboarding, Social Media, Internet Development, Computer Graphic Design, Digital Photography (if it has a digital manipulation component to the course), programming courses, and so forth.

Quarter credits may be counted for Technology credit.

Electives

High school students must enroll in AzCIS to fulfill the ECAP requirement every year, or otherwise meet the minimum requirements for ECAP each year of high school.

Advisors and coaches may create customized or site-specific electives for their students, such as Physical Education, private music lessons, and other extracurricular activities (Community Theater, dance, and so forth). There must be an independent coach, supervisor, or other non-parent adult who can sign off on the student's time if the elective is done off-site. To be counted as credit, students must spend at least 60 hours per each 0.5 credit.

Physical Education is not a graduation requirement for Sequoia Choice Precision School. All PE courses are counted as electives.

If students have a job or are engaged in community service, advisors should use the new Work Study and Service Learning courses. Community Service is now Service Learning and should only be done through the Service Learning course, taught by a teacher and not the advisor. Likewise Work Study is no longer taught by advisors and coaches, but by the Work Study instructor. Advisors and coaches can help guide students in meeting the requirements for Service Learning and Work Study, but they no longer need to grade these courses.

There are no maximum allowable credits in any elective category.

Graduation

Sequoia Choice Precision School holds a graduation ceremony in May every year. Only students who have met all the graduation requirements during that school year may walk in the ceremony.

Differences between Academic and Standard Graduation Plans

Academic

Students may earn competency credit for the Academic Grad Plan in any of the core areas, including Foreign Language.

English
Students should take four credits of English for the Academic Graduation Plan. Substitutions need to be approved by the school counselor. College First-Year Composition courses or their equivalents are highly encouraged.

Math
After completing Algebra I, Geometry, and Algebra II, students must take one full credit of math for which Algebra II is a prerequisite. Examples include Pre-Calculus, Calculus, Trigonometry, Probability and Statistics, College Math, and College Algebra (but *not* the college Intermediate Algebra).

If a student tests directly into College Math or higher at the college, be aware of the competency credit issues that may arise. Students who take College Math will not receive competency credit for any lower-level math courses, but if they take College Algebra, they will receive credit for both Algebra I and Algebra II, but not Geometry. The only way to receive competency credit for Geometry at the college is through Calculus with Analytic Geometry.

Lab Science
Lab Science must include one full credit each of three different lab sciences. Half-credits will be counted as electives.

Generic science courses such as Investigative, Physical, Introductory, or Essential Elements of Science do not count as lab science credit unless the course was approved by an in-state university for use as part of their lab science admissions competency requirement.

Acceptable sciences include Earth Science, Environmental Science, Physics, Chemistry, Biology, and Human Anatomy and Physiology. Also acceptable are college sciences with a separately meeting lab that fulfill the SG/SQ or equivalent college requirement.

Foreign Language
Students must take two full credits of a single foreign language. No mixing and matching to meet the 4-year Arizona University Entrance requirements!

Electives and Fine Arts/CTE
Career Success (ECAP) counts as strictly elective credit on the academic graduation plan.

Academic graduation plans do not include the Humanities option under Fine Arts. Students must take one full credit of Fine Arts or CTE to fulfill the requirement.

Fine Arts includes performing arts, theater, music, cinema, drawing, painting, ceramics, sculpture, art or music appreciation, art history, and so forth, but not photography. If you have questions about whether something counts as a Fine Art, please contact the school counselor.

CTE stands for Career and Technical Education. The in-state universities are very strict on what does and does not count as a CTE course for admissions. Therefore, at this time, only CTE courses from the community colleges are currently acceptable for the academic grad plan.

Standard

Students may earn competency credit for the Standard Grad Plan in any of the core areas.

English
Students should take four credits of English. The new Heart of English course may count as one English credit. If another school counts a credit as English, we will accept it as English for the Standard Graduation Plan. This includes Williamsburg's Debate, Public Speaking, and Journalism courses.

Math
Students must take four full credits of mathematics, including Algebra II. The fourth credit of mathematics cannot be Pre-Algebra or a test-preparation course. It must be a class with "substantial math content," such as Financial Literacy, Math for Financial Literacy, Mathematical Concepts and Applications at the college, or a higher-level math.

Students who need more preparation before beginning Algebra I should take our new Math for Financial Literacy course, which does count as math credit. These students will then not need to take Financial Literacy later unless they take it as an elective. Students' will still need to take Algebra 1A/1B, Geometry 1A/1B, and Algebra II.

Students with a Personal Curriculum should be on the Standard Grad Plan.

Lab Science
Avoid mixing and matching science courses, such as 0.5 credit in Astronomy with 0.5 credit in Biology. Whenever possible, use whole credits in traditional high school sciences.

Electives and Fine Arts/Humanities/CTE
Fine Arts may include Humanities and Career and Technical Education (CTE) courses. Examples of Humanities courses include Philosophy, Anthropology, foreign languages, world literature, and elective history courses. Examples of CTE courses include welding, culinary arts, marketing, cosmetology, and ECAP.

Sequoia Choice Precision School offers two graduation plans:

- The *Standard* Plan is for students who plan on attending community/junior College or a trade/technical school, enlisting in the military, or getting a job directly after high school.
- The *Academic* Plan is for students who plan on attending a four-year college or university directly after high school.

Please note: 0.5 credit = 1 Quarter Course

Standard Plan — 22 credits required

- 4 credits of English
- 4 credits of Math
    - 1 credit of Algebra I
    - 1 credit of Geometry
    - 1 credit of Algebra II
    - 1 credit of another non-duplicative math (usually Math for Financial Literacy or Financial Literacy; it cannot be Pre-Algebra)
- 3 credits of Science
- 3 credits of Social Studies
    - 1 credit of World History
    - 1 credit of U.S./American History
    - 0.5 credit of Economics
    - 0.5 credit of Government/Political Science
- .5 credit of Fine Arts or Humanities or CTE (Career and Technical Education)
- .5 credit of Technology
- 7 credits of Electives

Academic Plan — 23 credits required

- 4 credits of English
- 4 credits of Math
    - 1 credit of Algebra I
    - 1 credit of Geometry
    - 1 credit of Algebra II
    - 1 credit of a Math for which Algebra II is a pre-requisite
- 3 credits of Lab Science
    - Be sure to check with your potential university that they will accept your lab sciences.
    - No mixing/matching of half credits.
    - Take a lab science through our Early College Credit program if you can.
- 3 credits of Social Studies
    - 1 credit of World History
    - 1 credit of U.S./American History
    - 0.5 credit of Economics
    - 0.5 credit of Government
- 1 credit of Fine Arts/CTE (Career and Technical Education)
- 2 credits of the same Foreign Language
- 1 credit of Technology
- 5 credits of Electives

All students must fulfill the requirements for ECAP (Educational and Career Action Plan) each year in high school.
All students must take the EOC AzMerit state tests when required and meet all other school requirements.
All students must take the ACCUPLCR…**PSAT…**

MATH FLOW CHART

Is the student ready for high school Algebra I consider the students benchmark scores, historical Math grades, time lapses in school enrollment. The teacher and Principal will be consulted when placing students when courses have already started.
(Consideration will be placed if the student has unsuccessfully attempted Algebra I before and/or if the student has been out of school for some time.)

Yes, student is ready.

↓

Algebra I

↓

Geometry

↓

Algebra II

↓

Financial Literacy or similar
(Standard Grad Plan)

OR

A math beyond Algebra II
(Academic Grad Plan)

No, student is not ready.

↓

Math for Financial Literacy

↓

Algebra I

↓

Geometry

↓

Algebra II

OR

Personal Curriculum
(See notes under the Math section)

ENGLISH FLOW CHART

Is the student ready for high school English?

Consider the student's benchmark scores, historical English grades, time lapses in school enrollment and AzMerit scores.

The teacher and the principal will be consulted when making a decision to place any student in Reading.

Yes, student is ready.

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English 9

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English 10

↓

English 11
OR
First-Year Composition I

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English 12
OR
First-Year Composition II

No, student is not ready.

Reading will be added as an additional course counted as an Elective

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English 9

↓

English 10

↓

English 11
OR
First-Year Composition I

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English 12
OR
First-Year Composition II

Course Catalogue
Grades 9-12

This course catalog is designed to enable all students to map out an Individual Graduation Plan for their high school education that is best suited to their interests and goals.

Arizona College and Career Ready Standards

Arizona College and Career Ready Standards (ACCRS) provide a consistent, clear understanding of what students are expected to learn, so teachers and parents know what they need to do to help them. The standards are designed to be robust and relevant to the real world, reflecting the knowledge and skills that our young people need for success in college and careers. With American students fully prepared for the future, our communities will be best positioned to compete successfully in the global economy.

Since every student has different goals a Guidance Counselor/Advisor will meet with every student to map out their graduation plan and complete their Educational Career Action Plan.

This catalogue lists the courses which may be available throughout the school year for students.

Even though a course is listed, it may not be offered each block if registration is not sufficient to hold that class.

Classless are subject to change without notice.

English Department

Course	Description
English 9A	Grade 9, 1 Quarter --.5 Credit This course is designed to enable students to understand the six traits of writing as well as the writing process, including drafting, revising and proofreading. It provides students an opportunity to encounter different poetic forms, rhythm and meter. Also, it focuses on providing a range of exemplary masterpieces from a variety of cultures that help students to appreciate the different genres of Literature. Writing assignments are required as an additional method to improve understanding and comprehension.
English 9B	Prerequisite: Pass English 9A Grade 9A, 1 Quarter --.5 Credit This course is designed to enable students to understand the literary elements in short stories and a novel. It provides the students an opportunity to encounter different poetic forms, rhythm and meter. Also, it focuses on providing a range of exemplary masterpieces from a variety of cultures that help students to appreciate the different genres of Literature. The course seeks to develop the writing processes and practices necessary for producing successful high school compositions.
English 10A	Prerequisite: Pass English 9B Grade 10, 1 Quarter --.5 Credit

	This course offers a balanced focus on composition and literature. Students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students will improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. The course will focus on using the writing process-from brainstorming and drafting, to revising, editing, and publishing.
English 10B	Prerequisite: Pass English 9B Grade 10, 1 Quarter --.5 Credit This course is designed to enable students to read ancient and modern works by African and Middle Eastern authors, as well as select Western perspectives on Africa and the Middle East Students will improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. The course will emphasize the six traits of writing through various written assessments and projects.
English 11A	Prerequisite: Pass English 10B Grade 11, 1 Quarter --.5 Credit Course continues to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Students in this course will study American Literature with an emphasis on critical reading skills. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. Emphasize is on comprehension, discernment, and critical-thinking skills in the reading of texts and literature.
English 11B	Prerequisite: Pass English 11A Grade 11, 1 Quarter --.5 Credit Course is designed to emphasize comprehension, discernment, and critical-thinking skills in the reading of texts and literature. This course introduces and explores more advanced literary techniques (irony, satire, humor, connotation, tone, rhythm, symbolism, and so on) through two or more literary genres, with the aim of creating sophisticated readers. Writing assignments are required as an additional method to develop and improve critical-thinking and analytic skills.
English 12A	Prerequisite: Pass English 11B Grade 12, 1 Quarter --.5 Credit Course is designed to build upon previous writing skills. Reinforcing the logic and critical-thinking skills that accompany good writing, this course—which emphasize word choice, usage, and writing

	mechanics—provide continued and advanced instruction in writing for a variety of purposes and audiences.
English 12B	Prerequisite: Pass English 12A Grade 12, 1 Quarter --.5 Credit Course blends composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.
English Language Learners	
Conversational English and Academic Vocabulary with English Reading	Prerequisite: AZELLA Placement 1 Quarter --.5 Elective Credit Course emphasizes basic English skills in conversation, academic vocabulary, reading, writing, and grammar. Purpose of the course is to promote English acquisition. Students who earn below 70% will not be eligible to take the next level course.
English Writing and Grammar	Prerequisite: AZELLA Placement 1 Quarter --.5 English Credit Course emphasizes English Language Arts, reading, writing and grammar. Purpose of the course is to promote English acquisition. Students who earn below 70% will not be eligible to take the next level course.
Math Department	
Algebra 1A	Prerequisite: 8th Grade Progress Report Grade 9, 1 Quarter --.5 Credit Algebra IA course is designed for the student who can independently use and apply the basic skills of arithmetic and algebra. The course introduces the student to the basic structure of Algebra through the use and application of real numbers, equations, inequalities, linear equations and graphs. Students will be able to apply the properties of proportions and percent. Emphasis will be placed using algebraic concepts to solve applied problems. Students who successfully complete this course with a grade of "C" or higher should be prepared to take Algebra 1B
Algebra 1B	Prerequisite: Pass Algebra 1A Grade 9, 1 Quarter --.5 Credit Algebra 1B is designed to expand on the fundamentals of Algebra. The course covers properties of exponents, monomials and polynomials, quadratic equations, analyzing graphs and functions, rational and radical expressions, introduction to trigonometry, logic, probability and statistics. Emphasis will be placed using algebraic concepts to solve applied problems. Students who successfully complete this course with a grade of "C" or higher should be prepared to take Geometry A.
Geometry A	Prerequisite: Pass Algebra 1B

	Grade 10, 1 Quarter --.5 Credit Geometry A reviews the geometric concepts of previous math courses, and in addition, it encourages and guides the student in the discovery of new geometric concepts. Geometry stresses the ability to reason logically and to think critically. A major part of the course will be devoted to teaching the student how to present a formal proof. Geometric properties of two dimensions are emphasized as they apply to points, lines, planes, and polygons. Students will also transform on a coordinate plane. The course requires a grade of 'C' and higher to continue to Geometry B.
Geometry B	Prerequisite: Pass Geometry A Grade 10, 1 Quarter --.5 Credit Geometry B reviews the geometric concepts of previous math courses, and in addition, it encourages and guides the student in the discovery of new geometric concepts. Geometry stresses the ability to reason logically and to think critically. A major part of the course will be devoted to teaching the student how to present a formal proof. Geometric properties of two and three dimensions are emphasized as they apply to points, lines, planes, circles and polygons. The course will emphasize on using Pythagorean theorem, special right angle triangle rules and trigonometric ratios to determine distance and find missing dimensions of right triangles. Students will be expected to have a strong understanding of the formulas for perimeter, circumference, area, volume, lateral and surface area of common figures. The course will lay the foundation for logic, probability and vectors. The course requires a grade of 'C' and higher to continue to Algebra 2A.
Algebra 2A	Prerequisite: Pass Geometry 2 1 Quarter --.5 Credit Algebra 2A provides a review and extension of the concepts taught in Algebra 1. Topics covered will include operations with real number, systems of linear equations and inequalities, factoring, algebraic fractions and fractional equations, quadratic, radical and rational functions and some work with conic sections, exponential functions, and complex numbers. Each topic will be practiced using models, tables, graphs, and algebraic methods. Emphasis will be placed using algebraic concepts to solve applied problems. Students who successfully complete this course with a grade of "C" or higher should be prepared to take Algebra 2B.
Algebra 2B	Prerequisite: Pass Algebra 2A 1 Quarter --.5 Credit Algebra 2B will extend on algebraic concepts for students who have taken Algebra 2A and have passed the course with a grade of "C "or higher. Course topics include families of function, variation, logarithms, exponential and logarithmic functions, parabolas, circles, ellipses, hyperbolas, angle measures, trigonometry, trigonometric functions and identities. This course will introduce topics in discrete math, elementary probability and statistics, sequences and series.

	Each topic will be practiced using models, tables, graphs, and algebraic methods. Emphasis will be placed using algebraic concepts to solve applied problems. Students who successfully complete this course with a grade of "C" or higher should be prepared to take Trigonometry.
Financial Literacy 1	Prerequisite: Algebra 1A, 1B, Algebra 2A, 2B, Geometry A and B 1 Quarter --.5 Credit Courses emphasize consumer math topics such as taxes, mortgages, savings and checking accounts, investing, budgeting, etc.
Business Math 2	Prerequisite: Pass Business Math 2 1 Quarter --.5 Credit Courses teach and have students apply algebra concepts to a variety of business and financial situations. Applications usually include income, insurance, credit, banking, taxation, stocks and bonds, and finance.
Trigonometry	Prerequisite: Pass Algebra 2B 1 Quarter --.5 Credit This course will develop the student's mathematical concepts, improve logical thinking, and help to promote success. The course is offered for the students who desire to continue their study of mathematics. This course will focus on the study of angles; the trigonometry of angles and real numbers; the trigonometric functions and their inverses including their graphs; solutions of right and oblique triangles; verification of fundamental identities and analytic trigonometry; addition, subtraction and multiple angle formulas; the laws of sines and cosines; vectors and the dot and cross product; complex numbers, De Moivre's Theorem and nth roots of complex numbers; polar coordinates and equations.
Calculus	Prerequisite: Trigonometry 1 Quarter --.5 Credit Courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).
Probability and Statistics	Prerequisite: Algebra 2A 1 Quarter --.5 Credit Courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.
Science Department	
Earth Science 1	Prerequisite: None 1 Quarter --.5 Credit

	Course introduces students to the study of the earth from a local and global perspective. In this course, students typically learn about time zones, latitude and longitude, atmosphere, weather, climate, matter, and energy transfer.
Earth Science 2	Prerequisite: Pass Earth Science 1 1 Quarter --.5 Credit Course introduces student to advanced topics often include the study of the use of remote sensing, computer visualization, and computer modeling to enable earth scientists to understand earth as a complex and changing planet.
Biology 1	Prerequisite: None 1 Quarter --.5 Credit This course provides students with a basic understanding of living things. Topics covered include ecology and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance.
Biology 2	Prerequisite: Pass Biology 1 1 Quarter --.5 Credit Biology is the study of living organisms, their origins, how they survive, reproduce, change over time, and interact with each other and their environments. The primary objective of the course is to provide students with a fundamental understanding of modern biology and scientific processes.
Chemistry 1	Prerequisite: None 1 Quarter --.5 Credit Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.
Chemistry 2	Prerequisite: Pass Chemistry 1 1 Quarter --.5 Credit Course covers chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.
Physical Science	Prerequisite: None 1 Quarter --.5 Credit Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.
Physics	Prerequisite: Pass Alg 1A, Alg 1B 1 Quarter --.5 Credit Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics

	includes examination of sound, light, and magnetic and electric phenomena.
Anatomy and Physiology 1	Prerequisite: Pass Biology 1 and 2 1 Quarter--.5 Credit This course emphasizes on the structure and function of the human body. Major areas of study will include cells, tissue, integument system, skeletal system, muscular system, and endocrine system.
Anatomy and Physiology 2	Prerequisite: Pass Anatomy and Physiology 1 1 Quarter--.5 Credit This course emphasizes on the structure and function of the human body. Major areas of study will include cells, tissue, integument system, skeletal system, muscular system, and endocrine system.
Social Studies	
World History/ Geography A	Prerequisite: None 1 Quarter --.5 Credit This course will explore the development of political, social, and economic events of early civilizations, the Middle Ages, the Age of Enlightenment, and the world wide Industrial Age. The Five Themes of Geography and map skills will be emphasized.
World History/ Geography B	Prerequisite: Pass World History/Geography 1 1 Quarter --.5 Credit This course will explore nineteenth century Imperialism, the causes and effects of World War 1 and World War 2 and analyze international developments after World War 2 and the Cold War. Students will evaluate the ideologies of independence movements in the developing world. Research skills and geographic concepts relating to historical events will be emphasized.
U.S. History/AZ History A	Prerequisite: None 1 Quarter --.5 Credit U.S. History/AZ A course examines the history of the United States from the colonial period to the Civil War or Reconstruction era the topics covered include a historical overview of political, military, scientific, and social developments. This course will incorporate Arizona history, politics, economics, society, and/or cultures.
U.S. History/AZ History B	Prerequisite: U.S. History/AZ History A 1 Quarter --.5 Credit This course will highlight from the founding concepts of the Constitutional Conventions up through the Cold War era ending in the mid 1980's.
US Government	Prerequisite: Grade 11-12 1 Quarter --.5 Credit This course is designed to provide students with a basic knowledge of the purpose, structure, and operation of the national and state governmental systems. The course will cover political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process The

	primary content of study is the Federal system and its underlying principles as they are related on National, State, and local levels.
Economics	Prerequisite: Grade 11-12 1 Quarter --.5 Credit Economic course will cover economic principles of microeconomics and macroeconomics. Students will also learn to manage personal finances, set goals, create budgets, and manage investments. The course will cover current events, run classroom simulations, and perform activities to help explain economic content.
Technology	
Technology 1	Prerequisite: None 1 Quarter --.5 Credit Introduction to Computers introduce students to computers and peripheral devices, the functions and uses of computers, the language used in the computer industry, possible applications of computers, and occupations related to computer hardware and software. This course typically explores legal and ethical issues associated with computer use, as well as how computers influence modern society. Students are required to perform computer operations.
Technology 2	Prerequisite: Pass Technology 1 1 Quarter --.5 Credit Students will advance their understanding of how technology and computer applications apply to real world settings while developing their office application skills. The developmental focus of this class includes computer basics including Hardware/Software and Microsoft Word. This class will advance student's basic computer skills and develop extended understanding of Microsoft applications.
Introduction to Computer Programming	Prerequisite: Technology 2 1 Quarter--.5 Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the BASIC language, but other computer languages, such as Visual Basic (VB), Java, Pascal, C++, and COBOL, may be used instead. Initially, students learn to structure, create, document, and debug computer programs, and as they progress, more emphasis is placed on design, style, clarity, and efficiency. Students may apply the skills they learn to relevant applications such as modeling, data management, graphics, and text-processing.
Graphic Design	Prerequisite: Technology 2 1 Quarter--.5 Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching.
Electives	
Career Success	Prerequisite: None

	1 Quarter --.5 Credit Career Success Course help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. This class is designed for individuals interested in developing the skills that will enable efficient workflow management in a business setting. You will have the opportunity to identify and investigate career goals and opportunities in the workplace. Each student will generate a career education action plan (ECAP) portfolio to include preparing a resume and practicing interviewing techniques.
Dance 1	Prerequisite: None 1 Quarter --.5 Credit This course is designed to give students the basic moves and ideas for sequences in dance Jazz and Ballet. In this class, students will fulfill immediate dance needs while allowing them the opportunity to evaluate their dancing with respect to any future needs. Students will also be introduced to ballet and jazz terminology as well as dance history. Students will learn to develop choreography skills and performance.
Dance 2	Prerequisite: None 1 Quarter --.5 Credit Dance Appreciation course expand students' knowledge of dance as an art form and help develop students' ability to evaluate dance performances. Learning the history of one or several dance forms will also be included as a course objective.
Spanish 1A	Prerequisite: None 1 Quarter --.5 Credit Designed to introduce students to Spanish language and culture, Spanish IA course emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.
Spanish 1B	Prerequisite: Spanish 1A 1 Quarter --.5 Credit Spanish II course build upon skills developed in Spanish 1A, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).
Psychology	Prerequisite: None 1 Quarter --.5 Credit

	Psychology course introduce students to the study of individual human behavior. Course content typically includes but is not limited to an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.
Anthropology	Prerequisite: None 1 Quarter --.5 Credit Courses introduce students to the study of human evolution with regard to the origin, distribution, physical attributes, environment, and culture of human beings. These courses provide an overview of anthropology, including but not limited to both physical and cultural anthropology
Physical Education	Prerequisite: None 1 Quarter --.5 Credit Physical Education course provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.
Health	Prerequisite: None 1 Quarter --.5 Credit Topics covered within Health Education course include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The course includes brief studies of environmental health, personal development, and community resources.
Art Appreciation	Prerequisite: None 1 Quarter --.5 Credit Art Appreciation course introduce students to the many forms of art and help them form an aesthetic framework through which they can judge and critique art of various ages and cultures. These courses also explore the place and significance of art in our society.
Civics	Prerequisite: None 1 Quarter --.5 Credit Civic course examine the general structure and functions of American systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system.
Humanities 1	Prerequisite: None 1 Quarter --.5 Credit Humanities course examine and evoke student responses to human creative efforts and the world in particular historical periods and in particular cultures. Course content includes exploration, analysis, synthesis, and various responses to cultural traditions, including viewing, listening, speaking, reading, and writing, performing, and

	creating. The course may also examine relationships among painting, sculpture, architecture, and music.
Humanities 2	Prerequisite: None 1 Quarter --.5 Credit
Personal Finance	Prerequisite: None 1 Quarter --.5 Credit Personal Finance course covers budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.
Sociology	Prerequisite: None 1 Quarter --.5 Credit Sociology course introduce students to the study of human behavior in society. This course provides an overview of sociology, generally including but not limited to topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.
Sports	Prerequisite: None 1 Quarter --.5 Credit Team Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one team sport (such as volleyball, basketball, soccer,).
Reading Skills 1-2	Prerequisite: Scoring below grade level on assessments or Instructor recommendation 1 Quarter --.5 Credit This course is designed to teach the Arizona English Language Arts Standards for Reading. Students will develop fundamental reading skills, apply comprehension strategies, and build vocabulary necessary to become independent readers.
Aviation	Prerequisite: None 1 Quarter--.5 Aviation course provide students with an understanding of the science of flight and typically include the history, regulations, and possible career paths within the aviation industry. Aviation courses usually cover physics, the relationships of weight and balance, principles of navigation and flight control, ground and airport operations and services, and Federal Aviation Agency regulations.
Work Internship	Prerequisite: Advisor Approval 1 Quarter--.5 Credit with a maximum of 2.0 credits Workplace Experience course provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, advisor, and employer (although students are not necessarily paid). These courses will include project activity, involving further study of the field or

	discussion regarding experiences that students encounter in the workplace. Note: if the particular subject area is known, use the code associated with the Workplace Experience course within that subject area.