

Casa Grande Union High School District



Personalized Learning: “Every student is unique and deserves the power to shape their personal paths toward success”.

Course Description Catalog

2022-2023

Governing Board

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Kelly Herrington, Member
Taylor Kerby, Member
Joe Lopez, Member
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CGUHSD Website: www.cguhsd.org

Rev. 05/18/2022



elcome to the Casa Grande Union High School District where every student is unique and deserves the power to shape their personal paths toward success. We are committed to empowering all students with the knowledge, understanding and skills necessary for success in college, career, and life.

To help you make the best choice of what courses to take, we have provided you with a course catalog as a reference guide. This catalog identifies the various courses offered by the Casa Grande Union High School district; however, the courses listed may not be offered at every site.

Please take time to review the guidelines and requirements in the catalog, and thoughtfully select your courses.

We look forward to an exciting new year of success for all of our students.

NOTICE OF NONDISCRIMINATION

Casa Grande High School District #82 prohibits discrimination in employment and educational programs based on race, color, religion, sex, age, disability, national origin, military status, genetic test information, sexual orientation or gender identity or expression and provides equal access to the Boy Scouts and other designated youth groups. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator(s), Sean Casey, Human Resources Director at (520) 316-3360 ext. 1104 or scasey@cguhsd.org.

All materials can be translated upon request by contacting Sean Casey, Human Resources Director at (520) 316-3360 ext. 1104 or scasey@cguhsd.org.

AVISO DE NO DISCRIMINACIÓN

El Distrito Casa Grande Union High School District #82 prohíbe la discriminación de empleo y programas educacionales basados en raza, color, religión, sexo, edad, discapacidad, origen nacional, estado militar, información de prueba genética, orientación sexual o identidad de género o expresión y provee acceso a los Boy Scouts y otros grupos juveniles designados. Contacta Sean Casey, Directora de Recursos Humanos al (520) 316-3360 ext. 1104 or scasey@cguhsd.org.

Toda la información/lectura puede ser traducida en español si usted Sean Casey Directora de Recursos Humanos al (520) 316-3360 ext. 1104 or scasey@cguhsd.org.

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Title IX Coordinators

District	Casa Grande Union High School	Vista Grande High School
V. Renee Morales Director of Student Services 1362 N. Casa Grande Ave. Casa Grande, AZ 85122 (520) 316-3360 x1111	Doris Simmons Office of Student Services 2730 N. Trekeil Rd. Casa Grande, AZ 85122 (520) 836-8500 x3545	Miguel Marrero Office of Student Services 1556 N. Arizona Rd. Casa Grande, AZ 85122 (520) 876-9400 x4149

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CGUHSD Graduation Requirements

District Course Requirements

Curriculum	Cohort 2023-25 Requirements	Cohort 2026 Requirements
English	4	4
Math	4	4
Science	3	3
Social Studies	3	3
Health/PE	0	1
Health	.5	0
PE	.5	0
Foreign Language	0	0
Fine Arts/CTE	1	1
Electives	6	6
Total	22	22

*Health/PE is a required elective course for freshmen

Arizona University Admission Requirements

	Curriculum	AZ Universities
	English	4
	Math	4 (Algebra & Higher)
	Science	3 (Lab Sciences)
	Social Studies	2
	PE	0
	Foreign Language	2 (Same Language)
	Fine Arts/CTE	1
	Electives	0
	Total	16

Testing Information

College Board Exams (SAT Reasoning Test & ACT) are required by many colleges and universities as part of meeting admission requirements. Most universities accept either test. Either the ACT or SAT exams should first be taken at the end of the junior year. Registration deadline for each test is five weeks prior to the test date. Check with your counselor or on the exam posters in the Career Center for this information. You may also take the exams at other sites during the year. Registration and preparation booklets may be obtained in the Career Center. Fee waivers are available if the cost of these tests will cause a hardship. Free testing practice is available at the Casa Grande City Library and online.

- SAT –** The Scholastic Aptitude Test is now known as the SAT Reasoning Test. This test consists of 3 areas – Critical Reading, Mathematics and a Writing Test. The fee for this test is \$47.50; \$64.50; with Writing. Registration materials are available in the Guidance Office or registration can be completed online at: www.collegeboard.com. This web site also offers a FREE practice test and a daily practice question. **Fee waivers are available for qualified students-see your counselor.*
- ACT –** American College Test, or ACT, is divided into five subject areas: English, Mathematics, Reading, Science, Reasoning, and Writing. Arizona Department of Education requires that the ACT be administered to all 11th grade students in the spring of their junior year as a part of statewide testing.
- AZSci -** AZSci is a Standards-Based Assessment that measures student proficiency of the Arizona Academic Content Standard in Science. It meets federal requirements for student assessment. It is administered in the spring to students in Grades 5, 8, and 11.
- ASVAB –** The Armed Services Vocational Aptitude Battery is given in the fall for juniors and seniors. Taking this test does NOT enlist you in the military but will give you valuable career interest and aptitude insight into yourself. This test is voluntary and free for both juniors and seniors.
- PSAT –** The Guidance Department recommends that college-bound 10th and 11th grade students take the PSAT Test. The top scoring one half of one percent of the 11th grade students taking the PSAT can qualify for National Merit Scholarships. Eleventh grade African American students may request entry to the National Achievement Program (over 700 Achievement Scholarship awards) when they take the PSAT. Not only is the PSAT good practice for the SAT, but it is also used as a determining factor for AP potential and can be used to compare a student's academic skills with other college-bound students. The cost to take the PSAT was \$16.00 per student last year; however, arrangements can be made in the Guidance Office if money is an issue. The PSAT Test is offered in October. **Fee waivers are available for qualified students-see your counselor.*

ACT-Aspire – The ACT Aspire is good preparation for the ACT Assessment Test, which is used for college admissions. The ACT Aspire provides information for educational and career planning. Arizona Department of Education requires that the ACT Aspire be administered to all 9th grade students in the Spring of their freshman year as a part of statewide testing.

CogAT – The Gifted Department offers the Cognitive Abilities Test as an evaluation instrument for identifying students who are eligible for gifted education services. This test is organized into three separate batteries: Verbal, Quantitative and Non-verbal. Referral for this test may be received by students, teachers, and parents. This test is administered at each site in the fall. Any student may take the test that has not been tested within the last 12 months.

*All test fees listed reflect the amount at the time of publication of this document and are subject to change.

CAC Early College Programs

CAC Early College (fall and spring semesters only) is a way for high school students to enroll in college at the same time they are enrolled in high school. Unlike the First Step Program, which is a summer offering, students participating in Early College may concurrently enroll in CAC classes during the regular fall and spring semester of high school. As with the First Step Program, students may enroll in Early College at the end of their sophomore or junior year and may take up to 5 college credits and receive a tuition waiver for the cost of the courses. Students must pay for their textbooks and provide their own transportation to CAC. The ACUPLACER (placement test) must be taken prior to enrolling in CAC. The ACUPLACER is offered at each of the CGUHSD high schools during both the fall and spring semesters, or students may complete this step as part of the First Step and/or Early College orientation process. <https://centralaz.edu/admissions/placement/> These college courses may count for dual credit. To receive dual credit, students must have an official transcript sent to their high school. Students will receive honors weighted GPA credit for dual credit course if they successfully complete an English, mathematics, science, social studies, or foreign language course(s) that transfer to a four-year university. To apply for First Step or Early College, students will need to pick up an application from the Guidance Office.

High School/College Dual Credit

The CGUHSD may offer dual enrollment credit through selected courses. These courses meet the requirements of both HS and College courses and will be taught by instructors who meet the requirements of college instructors. To take these courses, students will need to meet the minimum requirements established by the District and CAC including taking the required ACUPLACER test.

Please see your guidance counselor for additional information.

<https://centralaz.edu/admissions/placement/>

Advanced Placement (AP) Courses

Advanced Placement (AP) Courses are college-level classes, taught at the high school, which require significant reading, writing, and independent study. Courses are challenging and offered to academically motivated students who wish to pursue excellence in their studies. AP coursework covers a national curriculum that prepares students to take the Advanced Placement exam for their subject(s) in the spring. Students who do well on the AP exam may be granted credit by their college for that subject. **Note: Students who take an AP class are expected to take the AP exam.** Students are expected to make informed and committed decisions prior to signing up for an AP course. Information about AP courses is shared each year during spring course selection to help students make an informed decision regarding their course selections. Instructors review course content, structure, rigor, and expectations for AP courses in their subject area classes. Students and parents must sign an AP Agreement, which is a statement of understanding regarding the rigor of the coursework and commitment to the yearlong course. **Weighted credit is awarded for honors and AP courses; however, students must finish an AP course in its entirety and take the AP exam to earn weighted credit.**

NCAA Clearinghouse Eligibility

Students who desire to participate in the collegiate athletics at division 1 or 2 schools must register with the NCAA clearinghouse to be eligible to play. Students should register at the end of their junior year/beginning of senior year. Due to continual updating of courses, approved courses are posted at www.ncaa.org.

Grade Classification

Graduation requirements shall be strictly enforced by year of graduation, NOT by a cohort. Therefore, high school seniors must meet graduation requirements as outlined in State Board of Education Rule (AAC R7-2-302.02, and 302.03). Arizona requirements identified at: http://www.azsos.gov/public_services/Title_07/7-02.htm.

Students dropping after the 10th Day of a Semester: Students who wish to drop a CG or VG course after the 10th day of a semester will receive a failing grade for that course and may receive a “No Credit” (NC) for the replacement course.

Senior Off Campus Eligibility (NOC)

Seniors who desire to apply to have a shortened school day in their senior year must have completed all State assessments, maintained a 2.0 GPA and have at least 19 credits at the start of their senior year. Students will be required to have parental permission and be enrolled in classes at their home school for a minimum of 4 classes per semester.

COURSE DESCRIPTIONS



Cougars



Spartans

INnovative Occupations Virtual Academy

INOVA

Casa Grande High School
2730 N. Trekell Rd.
Casa Grande, AZ 85122

520-846-9400

Vista Grande High School
1556 N Arizola Rd
Casa Grande, AZ 85122

520-846-9400

The following is a complete list of courses offered in the District; however, not all classes in this course catalog are offered at each site.

Career and Technical Education Courses

All CGUHSD CTE programs meet the Arizona Department of Education program approval criteria. Our 12 programs across all campuses include: Agricultural Science, Automation and Robotics, Automotive Technology, Biotechnology, Construction Technology, Culinary Arts, Engineering, Graphic Design, JROTC, Marketing, Software and App Design, and Stage Craft. The CTE department offers the opportunity for students to earn embedded core credit in state approved courses. **Embedded credit may be obtained in certain courses but requires District approval by the CTE and Curriculum Directors.** Each year the embedded credit state guidelines, teacher credentials, curriculum, and CGUHSD Board policies are reviewed for compliance by the CTE and Curriculum Directors. Students who take any CTE course in anticipation of embedded core credit **must** complete all core courses required by law during the 4 years enrolled at CGUHSD. Counselors must verify student eligibility for core credit with the CTE director before the credit is granted.

Some CTE courses may qualify for dual enrollment allowing students to earn both HS and college credit simultaneously. To take these courses students may need to meet the college requirements for taking the courses (usually pass the college reading assessment). For a detailed list of which of these courses qualify for college credit and to see the requirements to get this credit, contact a Guidance Counselor or the District Career and Technical Education Director. Fees will be collected at registration and are non-refundable. All CTE programs offer nationally recognized industry certifications. If you feel that your child is eligible for a CTE class fee waiver due to economic hardship, please contact the District's CTE Director: Lisa Miller lemiller@cguhsd.org or 520-316-3360 ext.1122.

Marine Corps Junior Reserve (JROTC)

The Marine JROTC curriculum covers diverse areas which include marksmanship, physical fitness, land navigation/mountaineering, public speaking, military history, customs and courtesy, leadership, first aid, close order drill, drug and alcohol awareness, current events, "real world" social skills, teamwork, and problem-solving techniques. This program is not combat oriented, nor is it a recruiting activity. The objective is to teach young adults to become informed and responsible citizens, develop leadership skills, strengthen character, and promote an understanding of the basic elements and requirements of national security. Additional objectives are to help students develop self-discipline, confidence, and integrity. Semi-annually, the unit travels to the West coast so that cadets can receive "firsthand" knowledge of selected active U. S. Marine Corps units and their mission. Physical fitness through running, exercise etc. is required weekly. Uniforms will be issued and are the required wear on weekly inspection days.

Equivalency credit: Successful completion of JROTC Leadership I fulfills one PE credit for high school graduation from CGUHSD.

JROTC I	AZ09908
Sites:	CG, VG
Grade Level:	9-12
Credit:	1 year – 1 credit
Prerequisites: U.S. Citizen or U.S. National, physically able to participate in unit physical fitness programs; be of good moral character as determined by the school principal and the unit SMI. Students must be free of legal proceedings involving criminal misdemeanors or felonies for a period of one school year prior to enrollment in JROTC.	

This course includes instruction in leadership and wellness. The areas of focus are patriotism, leadership fundamentals, ability to follow, discipline, drill, and ceremonies. Marine Corps history and organization, rifle safety, firing, money management, civic responsibilities, and wellness to include health, nutrition, first aid, stress reduction, responsible lifestyle, sexual behavior, etiquette, conflict resolution, substance abuse, physical fitness (present and lifelong). Physical fitness training intensifies. Individual responsibilities are increased.

JROTC II	AZ09909
Sites:	CG, VG
Grade Level:	10-12
Credit:	1 year – 1 credit
Prerequisites:	JROTC I

This course expands the skills learned in JROTC 1, as well as leadership principles, problem solving, inspection procedures, unit drills, sword manual, map reading, role of officers, and physical fitness testing.

JROTC III	AZ09910
Sites:	CG, VG
Grade Level:	11-12
Credit:	1 year – 1 credit
Prerequisites:	JROTC II and Approval by SM Instructor

This course expands the skills learned in JROTC II, as well as leadership principles, problem solving, inspection procedures, unit drills, sword manual, map reading, role of officers, and physical fitness testing.

JROTC IV	AZ09911
Sites:	CG, VG
Grade Level:	12
Credit:	1 year – 1 credit
Prerequisites:	JROTC III and Approval by SM Instructor

This course expands the skills learned in JROTC III, as well as leadership, problem solving, inspection, procedures, unit drills, sword manual, map reading, role of officers, and physical fitness testing.

Agriscience & FFA

FFA is the Career and Technical Student Organization associated with this program. **All CTE students will be encouraged to complete this four-year program.**

Agriscience I	AZ18900
Site:	CG
Grade:	9 – 10
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	None

Agriscience is an introductory course to agriculture. This course will cover a wide area of subject matter focusing primarily on Leadership Development and Plant Science. The units of instruction are as follows: FFA Organization supervised agricultural experience, plant growth and safety, vegetative reproduction, plumbing and introduction to welding. Planning and conducting a Supervised Agricultural Experience program and membership in the FFA are requirements of this course.

Agriscience II	AZ18901
Site:	CG
Grade:	10 – 11
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Agriscience I

Agriscience II is a basic course in agriculture. This course will cover a wide area of subject matter focusing primarily on Animal Science. The units of instruction are as follows: FFA Organization, supervised agricultural experience, livestock selection, livestock feeding, livestock production management, plant growth and development, financial records, insects, laboratory safety, vegetative reproduction, plumbing and introduction to welding. Planning and conducting a Supervised Agricultural Experience program and membership in the FFA are requirements of this course.

Agriscience III	AZ18902
Site:	CG
Grade:	11 – 12
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Agriscience II

Agriscience III is an upper-level agriculture class that will cover advanced agriculture science and leadership practices. The units of instruction are as follows: FFA Organization, public speaking, parliamentary procedure, financial records, agriculture business management, micro computers in agriculture, tractor operation, landscape design, surveying and land measurement and arc, GMAW and oxy-acetylene welding. Management of the greenhouse and maintenance of the school arboretum will also be a part of this course. Planning and conducting a Supervised Agricultural Experience program and membership in the FFA are requirements of this course.

Agriscience IV	AZ18903
Site:	CG
Grade:	12
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Agriscience III

Agriscience IV is an upper-level agriculture class that will cover advanced agriculture mechanics, business management and leadership practices. The units of instruction are as follows: FFA Organization, public speaking, crop production, financial records, micro computers in agriculture, tractor operations, landscape design and installation, irrigation systems, electrical wiring, agriculture, hydroponics, and advanced arc, GMAW and ox-acetylene welding. Planning and conducting a Supervised Agricultural Experience program and membership in the FFA are requirements of this course.

Welding Fundamentals in Agriculture I	AZ18900
Site:	CG
Grade:	10-11
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	None

Welding Fundamentals in Agriculture I is an introductory course that will cover beginning metal cutting and welding, agriculture mechanics and leadership practices. The units of instruction are safely, project design and construction, advanced SMAW, GMAW and oxy-acetylene welding, welding equipment, maintenance, and repair. Units of instruction in FFA Organization and Supervised Agricultural Experience may also be covered. The planning and conducting of a Supervised Agricultural Experience program and membership in the FFA are requirements of this course.

Welding Fundamentals in Agriculture II	AZ18901
Site:	CG
Grade:	11-12
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	Welding Fundamentals in Agriculture I

Welding Fundamentals in Agriculture II builds on the skills in the Welding Fundamentals in Agriculture I course in basic welding, agriculture mechanics and leadership practices. The units of instruction are safety, project planning and design, advanced SMAW, GMAW and oxy-acetylene welding. Units of instruction in FFA Organization and Supervised Agricultural Experience may also be covered. Planning and conducting a Supervised Agricultural Experience program and membership in the FFA are requirements of this course.

Welding Fundamentals in Agriculture III	AZ18902
Sites:	CG
Grade:	12
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	Welding Fundamentals in Agriculture II

Welding Fundamentals in Agriculture III is an advanced class that will cover advanced metal cutting and welding, agriculture mechanics and leadership practices. The units of instruction are safety, project design and construction, advanced SMAW, GMAW and oxy-acetylene welding, welding equipment, maintenance, and repair. Units of instruction in FFA Organization and Supervised Agricultural Experience may also be covered, planning, and conducting a Supervised Agricultural Experience program and membership in the FFA are requirements of this course.

Automation and Robotics & Skills USA

Skills USA is the Career and Technical Student Organization associated with this program. **All CTE students will be encouraged to complete this two-year program.**

Automation and Robotics I	AZ13900
Site:	VG
Grade:	9 - 11
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	None

This class provides students with automation skills in basic precision manufacturing principles and technical skills. Students will be prepared to apply their skills of electronics, hydraulics, mechanics, pneumatics to inspect, troubleshoot, program, modify, or repair robotic systems and machines. Students will understand and apply their skills to manufacturing systems, production planning documentation, technical problem solving, management information systems, preventive maintenance, and quality control for automated manufacturing. Students will have the opportunity to earn industry-recognized certifications such as Certified Education Robot Training (CERT) and Robotics Education Competition (REC). The Automation and Robotics and Robotics Education Competition (REC). The Automation and Robotics program uses a delivery system made up of four integral parts: formal/technical instruction, experiential learning, supervised occupational experience, and the Career and Technical Student Organization Skills USA. The Automation and Robotics program prepares students for a career as an automation technician.

Automation and Robotics II	AZ13901
Site:	VG
Grade:	10 - 12
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Automation and Robotics I

This is the second course in the coherent sequence for Automation and Robotics. Students in this course will learn how automation reduces the need for human labor. Students will understand the math, science and technology of robots, their design, and application in industrial automation for manufacturing. Students will learn control systems, robotics, and computer applications and how they are used to control machinery in industry. Students will gain a working knowledge of electronics, programming, mechanics, pneumatics, and applicable software through technical skills in support of technicians and other personnel engaged with robotics. Students will have the opportunity to earn industry-recognized certifications such as Certified Education Robot Training (CERT) and Robotics Education Competition (REC). The Automation and Robotics and Robotics Education Competition (REC). The Automation and Robotics program uses a delivery system made up of four integral parts: formal/technical instruction, experiential learning, supervised occupational experience, and the Career and Technical Student Organization Skills USA. The Automation and Robotics program prepares students for a career as an automation technician.

Automation and Robotics III	AZ13902
Site:	VG
Grade:	11- 12
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Automation and Robotics 1 & II

Automation and Robotics III is the third course in the coherent sequence for Automation and Robotics program. This course provides students with a higher level of understanding and fundamentals of how automation is used to improve quality and efficiency. Students will gain knowledge of Hydraulic, Pneumatic, Programmable Logic Controllers (PLC), Microcontrollers system Raspberry pi and Arduino control systems, SolidWorks and Fanuc robotics programming, Sensors, Production Line Automation process, and computer software language programming that relates to industry machinery and programming. Students will gain industry knowledge and practice to enhance their automation and robotics mechanical and electrical understanding and skills. The program will enrich students' experience and technical skills to become work cell team members to solve manufacturing, technical, and programming improvements and challenges. Students will have the opportunity to earn industry-recognized certifications such as Certified Education Robot Training (CERT) and Robotics Education Competition (REC).

Students will be introduced to 3D printing practice, knowledge, and skills to apply and improve their SolidWorks skills gained in Automation and Robotics I and Automation and Robotics II. Automation and Robotics III will provide the opportunity for students to earn Solidworks and Fanuc certification. Automation and Robotics program uses a delivery system made up of four integral parts: formal/technical instruction, experiential learning, supervised occupational experience, and the Career and Technical Student Organization Skills USA. The Automation and Robotics program prepares students with safety, manufacturing programming fundamentals for a career as an automation technician professional.

Automotive Technologies & Skills USA

Skills USA is the Career and Technical Student Organization associated with this program. **All CTE students will be encouraged to complete this three-year program.**

Automotive Technology I	AZ20900
Site:	CG
Grade Levels:	10-11
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	<i>None</i>

This class provides the student with basic knowledge and understanding of the automotive field and career opportunities. We cover safety in the shop, theory of operation, construction, maintenance procedures and repair of automotive components. The class is divided into two parts, 80% classroom lecture and demonstrations and 20% practical shop experience. Students will be assigned safety glasses to be worn at all times in the shop. Students are encouraged to participate in Skills USA.

Automotive Technology II	AZ20104
Site:	CG
Grade:	11-12
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year - 1 credit
Prerequisites:	<i>Automotive Technology I</i>

The student will be trained with a higher degree of mechanical theory and will start learning troubleshooting techniques. The student will spend 80% of their time in lab. Students will be assigned safety glasses to be worn at all times in the shop. Students are encouraged to participate in Skills USA.

Automotive Technology III Intern	AZ20106
Site:	CG
Grade:	12
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year - 1 credit
Prerequisites:	<i>Automotive Technology II</i>

The student should possess an average degree of mechanical aptitude and trouble shooting ability. Emphasis is on advance theory, diagnosis, and repair of today's automobiles. Students will be assigned safety glasses to be worn at all times in the shop. Students are encouraged to participate in Skills USA.

Construction Technologies & Skills USA

Skills USA is the Career and Technical Student Organization associated with this program. **All CTE students will be encouraged to complete this three-year program.**

Construction Technology I	AZ17930
Sites:	CG, VG
Grade:	9 - 10
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	None

This class provides the student with basic knowledge and understanding of the automotive field and career opportunities. We cover safety in the shop, theory of operation, construction, maintenance procedures and repair of automotive components. The class is divided into two parts 80% classroom lecture and demonstrations and 20% practical shop experience. Students will be assigned safety glasses to be worn at all times in the shop. Students are encouraged to participate in Skills USA.

Construction Technology II	AZ17959
Sites:	CG, VG
Grade:	10-11
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit	1 year – 1 credit
Prerequisites:	Construction Technology I

For the second-year construction student who has a knowledge of hand tools and power machinery, this class is a more in-depth look at construction trades. Projects become more complicated and require attention to detail. Concrete, framing and roofing are just three of the many trades that will be investigated and performed. The class is designed to expand your knowledge of the construction trades processes and values. Students will be required to have proof of an OSHA 10 safety card or complete the requirements to possess one. NCCER Core Curriculum qualifications upon successful completion of curriculum requirements.

Construction Technology III	AZ17933
Sites:	CG, VG
Grade:	11 & 12
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	Construction Technology I Student must be 16 years-old

For the student who has become skilled and crafty, this course provides off campus experience and is activity based. Each day we meet in the classroom and then go to the job site where you perform the job at hand. You are required to create job estimates and provide quality service to the members of the community. Jobs such as room additions, car ports, and patio awnings are very common for this class. Students will be required to have proof of an OSHA 10 safety card or complete the requirements to possess one. NCCER Core Curriculum requirements. NCCER Construction Technology credentials will be issued upon successful completion of NCCER requirements.

Construction Internship	AZ17049
Sites:	CG, VG
Grade Levels:	12
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Construction Technology III Student must be 16 years-old

This course provides CTE students an opportunity to engage in learning through participation in a structured work experience that can either be paid or unpaid and does not necessarily require classroom instruction that involves the application of previously developed Construction Technologies knowledge and skills

Welding Technologies CAC

Welding I – (Central Arizona College)	AZ13207
Site:	CG, VG
Grade:	11-12
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	None

The Welding Technologies program at Central Arizona College prepares students to acquire welding techniques and be product verified with weldment testing. They will develop a working knowledge of blueprint reading, and the welding processes for Shielded Metal ARC Welding (SMAW), Gas Metal ARC Welding (GMAW), Flux Cored ARC Welding (FCAW), and Gas Tungsten ARC Welding (GTAW) with the use of thermal cutting equipment. Students will learn about the tools and equipment for the welding trade.

Culinary Arts & FCCLA

FCCLA is the Career and Technical Student Organization associated with this program. **All CTE students will be encouraged to complete this three-year program.**

Culinary Arts I	AZ16058
Sites:	CG, VG
Grade Levels:	10 – 11
Program Fee:	\$40.00 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	None

Culinary Arts I is an introductory foods class where basic cooking techniques and food experiments are applied in laboratory situations. Areas covered are quick breads, cakes, sauces, pasta, egg cookery, sanitation, and safety. Food science and food service careers are explored along with job placement skills. Additional cookery skills include the study of yeast breads, pies, pastries, cookies, and beverages. Fast food techniques, presentation skills, sanitation and dining room service are covered. The care and use of large commercial equipment and food service careers are explored.

Culinary Arts II	AZ16059
Sites:	CG, VG
Grade:	11 – 12
Program Fee:	\$40.00 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	Culinary Arts I

Advanced Culinary Arts is a class that focuses on the preparation of American regional cuisines, international cuisines and the various aspects of catering and food cost controls. Students will be able to explain and demonstrate the appropriate cooking methods for a variety of foods. Front-of-the-House experience is also offered as part of this course. The areas of kitchen safety and food sanitation will be emphasized. Students will extend their knowledge of catering, baking and culinary arts by providing catered events for school and community.

Culinary Arts III Intern	AZ16099
Sites:	CG, VG
Grade:	12
Program Fee:	\$40.00 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	Culinary Arts II Students must be 16 years-old

This course utilizes a cooperative education methodology to combine school-based and supervised work-based learning experiences related to the standards identified for the Culinary Arts Program.

Early Childhood Program & FCCLA

FCCLA is the Career and Technical Student Organization associated with this program. **All CTE students will be encouraged to complete this three-year program.**

Early Childhood Education I	AZ19052
Sites:	CG, VG
Grade:	10 – 11
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	None

This is the introductory course for the Early Childhood Education Program. First semester the students will study the various stages of child development, from conception to age 5. Students will receive certification in Basic First Aid and Pediatric and Adult Basic Life Support as well as do basic work in the preschool lab. In the second semester, students will learn the basic techniques of teaching and observing young children. Students will also participate in leadership activities and develop employable skills for future job success. This is the beginning level for the students to participate and work in the preschool, which is located on campus. Students will pick a child to observe and create a final report.

Early Childhood Education II	AZ19153
Sites:	CG, VG
Grade:	11 – 12
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	Early Childhood Education I

Students will learn about the total learning environment, observing techniques, music, and movement. Teaching skills will be more advanced in the Preschool. Nutrition and healthy lunches will be studied and planned. Students go on many field trips with preschoolers and continue to work in the Preschool.

Early Childhood Education III Intern	AZ19171
Sites:	CG, VG
Grade:	12
Program Fee:	\$40 (<i>Collected at registration</i>)....
Credit:	1 year – 1 credit
Prerequisites:	Early Childhood Education II. Students must be at least 16 years-old

Students will learn about organizing and running a preschool. The students will study the early learning standards and the State regulations. Students will be managers of the preschool and mentors to the first-year students. They will plan the menus, field trips, preschool plays, parent letters, preschool graduation, and help approve all lessons. Teacher Approval is required.

Engineering Program & Skills USA

Skills USA is the Career and Technical Student Organization associated with this program. **All CTE students will be encouraged to complete this three-year program.**

Engineering I	AZ21001
Sites:	CG
Grade:	10
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit

This introductory course includes the basics of engineering problem solving and engineering problem solving tools, as well as technical communications and the engineering profession. Additionally, the course also teaches computer aided drafting computer technology for creation and documentation of 2D drawings and 3D models. Students will be introduced to computer-aided drafting systems available in the industry as well as instruction in basic fabrication skills to create prototypes safely and accurately. Other concepts and skills will focus on shop safety, safe tool use, measurement, field sketching, basic tool use, material removal, joining techniques and additive fabrication processes. The course will also provide an overview of modern manufacturing processes and will include a student capstone project.

Engineering II	AZ21024
Sites:	CG
Grade:	11
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	Engineering Sciences I

This course will teach the basics of engineering problem solving, engineering problem solving tools, technical communications, and the engineering profession. The year-long course is Comprised of both Computer Aided Design & Fundamentals of Fabrication coursework. Additionally, students will be presented with a series of design challenges to which they will apply the engineering design process and engineering analysis techniques to implement practical solutions.

Engineering III	AZ21999
Sites:	CG
Grade:	11 - 12
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	Engineering Sciences II

This course provides an opportunity for students to apply the fundamentals of mathematics and science to engineering through the study of analog and digital electronics and computer engineering in a hands-on, project-based approach. Topics include DC and AC electronics, semiconductor devices, and digital circuits. Students learn the basics of hardware design languages as well as designing and implementing microcontroller-based projects.

Engineering Intern	AZ21999
Sites:	CG
Grade:	11 - 12
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	Engineering Sciences III

This course prepares students to use critical thinking skills and apply formulations from pre-calculus and basics to innovative engineering job functions of research, design, development, testing and analysis when preparing product. Students will apply concepts of math and science, and problem-solving skills to different systems using input, and process, output, and feedback. Students will further demonstrate fundamentals of engineering and mechanics using scientific principles from materials to construct a project with consideration to manufacturability environmental factors, economics, and safety. This course is modeled to university criterion covering engineering theory through a hands-on approach.

Bioscience

Introduction to Biotechnology Science I	AZ14251
Site:	CG
Grade:	9
Program Fee:	\$40 (<i>collected at registration</i>)
Credit:	1 year-1 credit
Prerequisites:	

The biotechnology program prepares individuals to apply scientific principles and technical skills in support of biologists and biotechnologists in research, industrial, and government settings. Students will learn basic biotechnology skills such as accurate and precise measurement, the basics of experimental design, pH, and the ethics of biotechnology. Students will also learn leadership skills and job seeking skills.

Biotechnology Science II	AZ14252
Site:	CG
Grade:	10
Program Fee:	\$40 (<i>Collected at registration</i>)
Credit:	1 year – 1 credit
Prerequisites:	Introduction to Biotechnology

This course will prepare students to apply scientific principles and technical skills in support of biologists and biotechnologists in research, industrial, and government settings. Students will continue to use experimental design and will explore fermentation technology, cell culturing, gel electrophoresis, and bioinformatics. Students will earn and utilize leadership skills and job seeking skills.

Biotechnology Science III	AZ14907
Site:	CG
Grade:	11
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Biotech Science II

This course will prepare students to apply scientific principles and technical skills in support of biologists and biotechnologists in research, industrial, and government settings. Students will continue to use experimental design, and will study protein purification, protein assay, biosynthesis, and genetic technology. Students will learn and utilize leadership and job seeking skills.

Biotechnology Science Intern	AZ14272
Site:	CG
Grade:	12
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Introduction to Biotechnology, Biotechnology, II, Biotechnology III

This biotechnology program prepares individuals to apply scientific principles and technical skills in support of biologists and biotechnologists in research, industrial, and government settings. Students will be utilizing skills learned in the biotechnology program to design and conduct a research experiment that will be credible to those in the biotechnology industry.

Graphic Design & Skills USA

Skills USA or FBLA are the Career and Technical Student Organizations associated with this program. All CTE students will be encouraged to complete this three-year program.

Graphic Design I	AZ11902
Site:	VG
Grade Level:	10-11
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	None

Graphic Design I prepares students to apply technical knowledge and skills to the layout, design, and typographic arrangement of printed and/or electronic graphic and textual products. The Graphic Design program includes instruction in the operational use of Adobe Creative Suites industry-standard software applications. Participation in Skill USA or FBLA is strongly encouraged.

Graphic Design II	AZ11153
Site:	VG
Grade:	11-12
Program Fee	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Graphic Design I

The Graphic Design II course includes advanced instruction in digital imaging, print preparation, page layout and design, desktop publishing, and applicable principles of graphic design and web page design as well as an in-depth examination of graphic and web design's role in various commercial, industrial, and entertainment enterprises. Students will have the opportunity to earn Industry Certifications using Adobe Creative Suites software. Participation in Skills USA or FBLA is strongly encouraged.

Graphic Design III	AZ11154
Site:	VG
Grade:	12
Program Fee:	\$40 (Collected at registration)
Credit	1 year – 1 credit
Prerequisites:	Graphic Design II

The Graphic Design III course is an optional internship. This course takes the knowledge from Graphic Design I & II to a professional, project-based level. Students who demonstrate interest and ability may be asked to participate in projects for their school and community. Students will have the opportunity to earn Industry Certifications using Adobe Creative Suites software. Participation in Skills USA or FBLA is strongly encouraged.

Software and Application Design

Software and App Design I	AZ10906
State code:	CG, VG
Sites:	CG, VG
Grade level:	9-12
Program Fee:	\$40 (Collected at registration)
Length of course:	1 year – 1 credit
Prerequisites:	None

This is the introductory course for the Software and App Design program. This course introduces principles of computers and telecommunications for retrieving, storing, or sending electronic information in industries as e-commerce, electronics, health, internet or semi-conductor, basic concepts of computer maintenance, computer security, data management, network technologies, programming, software development and web page development while also providing an understanding of the IT industry, computer mathematics and the evolution of the computer.

Marketing & DECA

DECA is the Career and Technical Student Organization associated with this program. All CTE students will be encouraged to complete this two-year program

Marketing I	AZ12916
Site:	CG, VG
Grade:	9-10
Program Fee	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	None

Students learn the basics of Marketing as it applies to entertainment, sports, fashion, tourism, and general retail marketing. Students will understand Sales and Marketing as it applies locally, nationally and internationally while exploring the economic impact of these industries; understand the marketing concepts and promotional strategies used to create positive brands and product endorsement, and general retail sales and marketing; designing advertisements, logos, and multi-media promotions for sports teams, tourist destinations, fashion industries and entertainment companies.

Marketing II	AZ12202
Site:	CG, VG
Grade:	10-11
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Marketing I

This course is a school classroom/lab experience with students working in the DECA Store as well as gaining advanced marketing information in the classroom. Class activities include a brief overview of marketing previously covered. As a part of their co-curricular activities, students can participate in all DECA activities, conferences and competitive events which further prepare them for sales, marketing, management, and leadership in the workplace. Students will create a career portfolio, learn leadership styles for the workplace, practice oral communications, business and financial management, business decisions, practice selling, demonstrate an understanding of customer needs and make product presentations, know and demonstrate how to handle objections, know and demonstrate closing and follow-up activities, create an appealing display, know the elements and role of branding, packaging and labeling, understand how to present product features, and demonstrate satisfactory employability skills.

Marketing III	AZ12917
Site:	CG, VG
Grade:	11-12
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Marketing I & II
	Student must be at least 16 years old)

This course is an option for those dedicated Marketing students to delve further into specialized Marketing areas such as entertainment, fashion, tourism, and hospitality.

Marketing Internship	AZ12918
Site:	CG, VG
Grade:	12
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Marketing I, II, III
	Student must be at least 16 years old.

This course provides marketing students with an opportunity to engage in learning through participation in a structured work experience that can be either paid or unpaid and does not necessarily require classroom instruction that involved the application of previously developed Marketing knowledge and skills. However, the internship does require applications related to the Technical Standards of the Marketing and Management and Entrepreneurship program.

Technical Theater

Skills USA is the Career and Technical Student Organization with this program. Performing Arts and Entertainment Industry students are also encouraged to be active members of the Arizona State Thespians. **All CTE students will be encouraged to complete this three-year program.**

Stage Craft I	AZ05056
Site:	VG
Grade:	10-11
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	None

This course prepares students to apply knowledge and skills to artistic, technical, and dramatic principles to communicate through theatrical methods. The design, scene painting, property management, production management, video design, costume design, technical direction and production, and digital applications program includes instruction in set design, lighting design, sound design and audio engineering.

Stage Craft II	AZ05060
Site:	VG
Grade:	10-12
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Stage Craft I

This course prepares individuals to manage the planning, design, preparation, and application of theatrical production in Technical Theatre I.

Stage Craft III	AZ05061
Site:	VG
Grade:	10-12
Program Fee:	\$40 (Collected at registration)
Credit:	1 year – 1 credit
Prerequisites:	Stage Craft II

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience that can be either paid or unpaid and that involves the application of previously developed Performing Arts and Entertainment Industry knowledge and skills.

English Course Sequence

Credits Required for Graduation: 4 credits

Credits Required for University: 4 credits

Students must successfully complete four years of English including English 9, English 10, English 11, and English 12 Option. Students may elect to take a semester of Mythology, Folklore & Fantasy along with a semester of Novel & Short Story for their senior option. All senior options meet the requirements for a 4th year English course as outlined by ADE, the Arizona College and Career Standards, and University Requirements.

Year	Option 1	Option 2 (Honors)	Option 3 (ESS or GATE)
Freshmen	English 9	Honors English 9	Equivalent Courses <i>(Individualized plan for ESS or GATE students to be developed by a student study team comprised of the following: case manager, GATE Coordinator, content area teachers, parents, site administration, Director of ESS and Director of Curriculum)</i>
Sophomore	English 10	Honors English 10	
Junior	<i>Choose from:</i> <ul style="list-style-type: none"> English 11 Media Literacy 	AP Language & Composition <i>*Refer to course expectations of Advanced Placement as detailed</i>	
Senior	<i>Choose from:</i> <ul style="list-style-type: none"> English 12 Media Literacy College English Composition III-IV (Concurrent Enrollment) Mythology, Folklore & Fantasy; Novel and Short Story (1/2 credit each) 	<i>Choose from:</i> <ul style="list-style-type: none"> AP Literature & Composition 1 <i>*Refer to course expectations of Advanced Placement as detailed</i> College English Composition III-IV 	

English 9

Sites:

Grade:

Credit:

Prerequisites:

AZ01001



CG, VG

9

1 year – 1 credit

None

Students will be introduced to a variety of text types and genres and will be able to communicate effectively about them. This will include learning to complete in-depth analysis of functional, expository, persuasive, and literary texts, as well as poetry, drama, and novels. Students will work to enhance their communication and problem-solving skills by developing the ability to provide support for their opinions. The course meets all the requirements in the Arizona College and Career Standards for a Freshman English Course. **English 9-E:** Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

English Honors 9**Sites:****Grade:****Credit:****Prerequisites:****AZ01081****CG, VG****9****1 year – 1 credit****Placement based on District Reading/Writing assessment**

Students will meet the basic goals of English 9. In addition, they will be exposed to Bloom's Taxonomy of Higher Thinking Skills. Basic goals here are analysis, synthesis, and evaluation. Students will also discover methods of decision making and problem solving as they generate, sort, and select ideas and information. They will employ all these skills in writing, reading, speaking, listening and other forms of communication. The course meets all the requirements in the Arizona College and Career Standards for a Freshman English Course. **This class earns weighted credit.**

English 10**Sites:****Grade:****Credit:****Prerequisites:****AZ01002****CG, VG****10****1 year – 1 credit****9 or equivalent**

Continuing the development of skills introduced in English 9, this course will advance composition techniques, writing modes, spoken and written expression, language skills (grammar and revision), and reading strategies. This course will survey world literature to build upon the competencies learned in the beginning course and prepare students to achieve proficiency on the State tests. The course meets all the requirements of the Arizona College and Career Standards for Sophomore English Course. **English 10-E: Course** may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

English Honors 10**Sites:****Grade:****Credit:****Prerequisites:****AZ01002****CG, VG****10****1 year – 1 credit****English 9 or equivalent**

Designed to go beyond regular requirements, English Honors 10 emphasizes quality reading and writing based on challenging fiction and non-fiction selections. Students will study and model reading and writing strategies meant to prepare students to earn Highly Proficient on State tests. In addition, students will be prepared for the rigors of AP Language and Composition which most students will take during their junior year. Expectations for students in the class are that they are motivated, focused, and diligent in completing class assignments. This course meets all the requirements in the Arizona College and Career Standards for a Sophomore level English Course. **This class earns weighted credit.**

English 11**Sites:****Grade:****Credit:****Prerequisites:****AZ01003****CG, VG****11****1 year – 1 credit****English 10 or equivalent**

English 11 includes the study of American Literature and writing skills. Rhetoric, usage and vocabulary building are also practiced. A research project is required for completion of this course. This project is required for a passing grade for the first semester. This course meets all the requirements in the Arizona College and Career Standards for Junior level English Course. **English 11-E: Course** may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

English 12**Sites:****Grade:****Credit:****Prerequisites:****AZ01004****CG, VG****12****1 year – 1 credit****English 11 or equivalent**

English 12 concentrates on the following skills: Composition, with an emphasis on expository writing; English Literature survey from the Anglo-Saxon period through the Twentieth Century; vocabulary development, spelling awareness, research, book reviews, computer literacy and speeches. This course meets all the requirements in the Arizona College and Career Standards for senior level English Course. **English 12-E:** Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

Media Literacy**Sites:****Grade:****Credit:****Prerequisites:****AZ01052****CG, VG****11-12****1 year – 1 credit****English 10 or passing score on the ACT exam**

Media Literacy is an English/Literature course for juniors and seniors. The course is designed to emphasize comprehension, discernment, and critical-thinking skills in the reading of texts and literature, as well as contemporary and historical images and how they are used to make art, sell products, motivate populations, and alter opinions. This course will introduce and explore more advanced literary and rhetorical techniques, which may include debates surrounding television, the internet, and other sources for media, in exploring alternatives to the mainstream media. Students will analyze media content in writing throughout the course and explore 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 AP Lang & Comp**Sites:****Grade:****Credit:****Prerequisites:****AZ01005****CG, VG****11****1 year – 1 credit****English 10 or equivalent**

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of periods, discipline, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. By their writing and reading in this course, student should become aware of the interactions among a writer's purposes, audience expectations and subjects, as well as the way generic conventions and the resources of language contribute to effective writing. This course meets all the requirements in the Arizona College and Career Standards for a junior level English Course.

This class earns weighted credit.

****AP Exam fees – deposit due @ registration.**

Myth, Folklore & Fantasy**Sites:****Grade Level:****Credit:****Prerequisites****AZ01062****CG, VG****11-12****1 semester – ½ credit****English 11 or equivalent**

The course is designed to have students learn the basics of cross-cultural works of literature (Greek and Celtic mythology) and relate the ancient concepts to modern literature and films. Many of the myths studied in class will be connected to real-life events via essays and one research paper. There will be a semester project that allows the students the opportunity to create their own mythology and poetry. This course meets all the requirements in the Arizona College and Career Standards for a senior level English Course.

Novel & Short Story**Sites:****Grade:****Credit:****Prerequisites:****AZ01061****CG, VG****11-12****1 semester – ½ credit****English 11 or equivalent**

Students will read a variety of short stories and use these stories to draw inferences from new vocabulary, explain how meaning is enhanced through poetry and structure, connect stories to real-life experiences, and describe historical/cultural aspects found in cross-cultural works of literature. A research paper on an author will be assigned. A few book reports must be completed. You will choose your own novel to discuss with class. This course meets all the requirements in the Arizona College and Career Standards for a senior level English Course.

AP Lit & Comp**Sites:****Grade:****Credit:****Prerequisites:****AZ01006****CG, VG****12****1 year – 1 credit****Pre-AP English 3-4**

The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. This course meets all the requirements in the Arizona College and Career Standards for a senior level English Course. **This class earns weighted credit.**

****AP Exam fees – deposit due @ registration.**

English 101 College English Composition III**Sites:****Grade:****Credit:****Prerequisites:****AZ01004****CG, VG****11 -12****1 semester – ½ credit****Appropriate score on Acu-Placer**

English 101 is a concurrent enrollment, college level course, offered on the high school campus. This online/blended learning course focuses on the advancement of the student's ability to analyze and write academic, college level essays with an emphasis on developing ideas and using a process of writing revising and editing to create organized, coherent, fully articulated essays that reflect the conventions of English grammar, mechanics, and usage.

English 102 College English Composition IV	AZ01004
Sites:	CG, VG
Grade:	11 -12
Credit:	1 semester – ½ credit
Prerequisites:	Appropriate score on Acu-Placer

English 102 is a concurrent enrollment, college level course, offered on the high school campus. This is a continuation of the English 101 course. The course emphasizes critical thinking, close reading, analysis, and advanced research skills through the development of writing and revision of complex arguments.

Fine Arts Courses

Fine Arts courses are defined as those that provide the opportunity to gain experience and knowledge in the production and performance; analysis, interpretation, and evaluation; and historical and cultural aspects of the visual and performing arts. Courses must combine theory and practice and include critical thinking skills. Competency may also be demonstrated by completing 1 high school credit in a CTE course or 2 semesters of high school CTE

Dance

All dance classes may be applied to Fine Arts credit for all students or a semester of PE credit for students.

Dance I (Beginning)	AZ05001
Sites:	CG, VG
Grade:	9 – 12
Credit:	1 year – 1 credit
Prerequisites:	None

This is an introductory course for students with little or no previous dance experience. Students will learn ballet, tap, musical theatre, jazz, and modern dance technique, along with theory, history, and choreography. Students will learn dance terminology, theater etiquette and basic performance skills. Students will also participate in the winter and spring dance recitals as their end of semester choreography project. This class meets the Prerequisite for Intermediate dance.

Dance II (Intermediate)	AZ05001
Sites:	CG, VG
Grade:	9 – 12
Credit:	1 year – 1 credit
Prerequisites:	Dance I (full year) or permission from Instructor

(Course may be repeated for credit)

This intermediate course is for students with a minor understanding and comprehension of the basics of dance. Students will go more in-depth with learning ballet, tap, musical theatre, hip-hop, lyrical, contemporary, jazz, and modern dance technique, along with dance theory, history, and choreography. Students will learn more dance terminology, theater etiquette and proper performance skills. Students will also participate in the winter and spring dance recitals as their end of the semester choreography project. This class meets the Prerequisite for intermediate dance.

Dance III (Advanced)	AZ05001
Sites:	CG, VG
Grade:	11 – 12
Credit:	1 year – 1 credit
Prerequisites:	Dance I & Dance II or permission from Instructor
<i>(Course may be repeated for credit)</i>	

This is an advanced course for students with a well-rounded understanding and comprehension of all areas of dance. Students will go more in-depth with learning ballet, tap, musical theatre, hip-hop, lyrical, contemporary, jazz, and modern dance technique, along with dance theory, history, and choreography. Students will also participate in the winter and the spring dance recitals as their end of semester choreography project. They are also responsible for choreographing small group dances.

Dance IV (Elite Company)	AZ05002
Sites:	VG
Grade:	9 – 12
Credit:	1 year – 1 credit
Prerequisites:	Audition or permission from Instructor
<i>(Course may be repeated for credit)</i>	

This Co-ed course reinforces students' knowledge of ballet, tap, musical theatre, hip-hop, contemporary jazz, modern, lyrical, and theatrical dance. Dance techniques and proper form are stressed. Advanced choreography is taught with students required to design and dance their own work. Dancers will be required to perform in two dance concerts. They are also responsible for choreographing pieces to perform at pep assemblies, community events, competitions, recitals, and other miscellaneous events. These dancers are expected to have a large quantity of dance knowledge as well as a well-rounded background in dance.

Drama

Drama I	AZ05053
Sites:	CG, VG
Grade:	9 – 12
Credit:	1 year – 1 credit
Prerequisites:	None
<i>(Course may be repeated for credit)</i>	

This class introduces the students to a survey of all phases of theatre arts. Evaluation of plays, stage terminology, lighting, costuming and makeup design and application are discussed. Students will have weekly or bi-weekly evaluations on textbook material and/or performance evaluations. Students are expected to perform scenes and complete plays as part of class evaluation.

Drama II	AZ05053
Sites:	CG, VG
Grade:	9 – 12
Credit:	1 year – 1 credit
Prerequisites:	Drama I
<i>(Course may be repeated for credit)</i>	

In this intensive course, actors develop a deeper understanding of theatre from diverse cultural and historical perspectives through playwriting, directing, scene study, monologues, emotional development, and performance technique.

Stage Production	AZ05056
Sites:	CG, VG
Grade:	9 – 12
Credit:	1 year – 1 credit

Prerequisites:**None** (course may be repeated for credit)

This is a class that introduces the student to many technical areas of theatre. Students obtain practical experience in stage work and activities through building sets and preparing the stage for performances. Students must work on a technical crew for after-school productions.

Instrumental Music

Color Guard**AZ05103****Sites:****CG, VG****Grade:****9 - 12****Credit:****1 year – 1 credit****Prerequisites:****None****Rehearsals:****T/TH Evenings***(Course may be repeated for credit)*

First semester this course is combined with the Marching Band. They will perform at home football games, pep assemblies and parades. The band travels to most away football games and to several marching competitions in the fall. Second semester the team will branch away from the band program and perform an indoor show and compete across the state of Arizona. There is a band camp before school starts. **A physical is needed for this activity.** Please contact the band instructor for information. This is a performance-based class for a grade. Grades will be taken in and outside of regular class time. ***The first semester of this class may be applied to a semester of PE credit for students. This course does not fulfil university fine arts requirements.***

Music Appreciation**AZ05118****Sites:****VG****Grade:****9 – 12****Credit:****1 Semester – 1/2 credit****Prerequisites****None***(Course may be repeated for credit)*

This course is a music department offering designed for the non-performer. The class will give students the opportunity to examine music and music performance in a variety of historical contexts. The lives and contributions of selected composers will be featured as well as the exploration of different career paths in music such as education, therapy, technology, and engineering. In addition to these studies, students will be required to complete some assignments outside of the class time that will involve attendance at select concert/theater performances on campus.

Freshman Band**AZ05101****Sites:****CG****Grade:****9****Credit:****1 year – 1 credit****Rehearsals:****T/TH Evenings****Prerequisites:****None*****Honors credit may be available for this course. Please see instructor for specific criteria.***

The Freshmen Band is for the developing instrumentalist and emphasizes fundamentals of good playing techniques and basic music knowledge. All Freshman Band members are expected to participate in the Marching Band and all its activities (home football games, pep assemblies, and parades). The band travels to most away football games, and to several marching competitions in the fall. In addition to regular class time, there are regularly scheduled rehearsals. There is a Color Guard (Flag/Dance line) that participates in all activities with the marching band (please see Color Guard). This band also performs in several concerts throughout the year. Freshman percussionists should sign up for **Percussion Ensemble** instead of Freshman Band. There is a band camp before school starts.

A physical is needed for this class. *The first semester of this class may be applied to Fine Art credit for all students or a semester of PE credit for students*

Marching Band	AZ05103
Sites:	CG, VG
Grade:	9 - 12
Credit:	1 semester (Fall) – ½ credit
Rehearsals – T/TH Evenings	
Prerequisites: Previous Band Experience	
<i>(Course may be repeated for credit)</i>	

The marching band performs at all home football games, pep assemblies and parades. The band travels to several marching competitions in and out of the state in the fall. In Addition to regular class time, the band rehearses on Tuesday and Thursday evenings. All Color Guard members and percussionists will also participate in all marching band activities. There is a required band camp before school starts. This is a performance-based class for a grade. Grades will be taken in and outside of regular class time. A physical is needed for this activity. Please contact the band instructor for information. *This class may be applied to a semester of PE credit for students.*

Beginning Band	AZ05106
Sites:	CG, VG
Grade:	9 - 12
Credit:	1 semester – 1/2 credit

This course is for the student who is interested in music but may lack the musical experience and or knowledge necessary for participation in the rigor of the other band selections. Students will learn to count and read music, as well as learn to play basics on woodwind and brass instruments. Some prior knowledge or previous experience is helpful, but not necessary.

Beginning Percussion	AZ05106
Sites:	CG, VG
Grade:	9 - 12
Credit:	1 semester – 1/2 credit

This course is for the beginning percussion student. We will learn to count and read music as well as learning the basics of playing. The school will provide instruments, but students will need to purchase their own concert sticks and marching sticks and mallets.

Percussion	AZ05106
Sites:	CG, VG
Grade:	9 - 12
Credit:	1 semester – 1/2 credit
Rehearsals:	T/TH Evenings
Prerequisites:	None

This class performs with the marching band and symphonic band. They will perform at home football games, pep assemblies and parades. The band travels to most away football games and to several marching competitions in the fall. In addition to regular class time, this class is designed to give the percussion student the time and dedication he/she deserves. In the fall we will concentrate on marching percussion. In the spring we will learn the same repertoire as the concert bands. We will also perform percussion ensemble pieces. There is a band camp before school starts. A physical is needed for this activity. This is a performance-based class for a grade. Grades will be taken in and outside of regular class time. This class may be repeated for credit. *The first semester of this class may be applied to a semester of PE credit for students.*

Beginning Guitar	AZ05108
Sites:	CG
Grade:	10 - 12
Credit:	1 year – 1 credit
Prerequisites:	None

Beginning guitar introduces students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. This class allows students to develop guitar skills in a variety of genres, encourages them to use those skills to increase their appreciation of music, and use their knowledge to compose their own songs.

Guitar I	AZ05108
Sites:	CG, VG
Grade:	9, 10, 11, & 12
Credit:	1 year - 1 credit
Prerequisites:	None
Credit type:	Elective

Students will learn how to read and play notated music, learn traditional and Barre chords, read, and use guitar tablature. Students of Guitar I are to develop a basic understanding of guitar performance, learn about the history of guitar.

Guitar II	AZ05108
Sites:	CG, VG
Grade:	10, 11, & 12
Credit	1 year – 1 credit
Prerequisites:	Guitar I
Credit type:	Elective

Students will learn how to read and play notated music, learn traditional and Barre chords, major and minor scales, arpeggios, power chords, use of palm muting, read and use guitar tablature, playing the blues and performing solo and ensemble guitar literature. Students of Guitar II are to are to develop a basic understanding of guitar, learn about the history of guitar, perform guitar repertoire, and apply music theory.

Guitar III	AZ05106
Sites:	CG, VG
Grade:	10, 11, & 12
Credit:	Year
Prerequisites:	Guitar I or Guitar II or teacher recommendation
Credit type:	Elective

Students will continue to define skills in reading and playing notated music, traditional and Barre chords, major and minor scales, arpeggios, power chords, use of palm muting, guitar tablature, playing the blues and performing solo and ensemble guitar literature. Students of Guitar III are to develop a basic understanding of guitar performance, learn about the history of guitar, perform guitar repertoire, and apply music theory. A primary focus of this course will be ensemble playing.

Jazz Band	AZ05106
Sites:	CG
Grade:	10 - 12
Credit:	1 Year – 1 Credit
Prerequisites:	Spring Audition
<i>(Course may be repeated for credit)</i>	

Jazz Band is open to those students who are interested in improving their jazz skills and performance. This is an **audition only** group that will perform many outside events/concerts in the school and in our community. Students will be expected to attend all scheduled activities. This is a performance-based class, and performances are part of the overall grade received for the class. A student's overall assessment for this class includes class-related activities that take place inside and outside of the regular class time.

Symphonic Band	AZ05102
Sites:	CG, VG
Grade:	9 - 12
Credit:	1 semester (Spring) – 1/2 credit
Prerequisites:	Previous band experience.
Honors credit is available for this course. Please see instructor for specific criteria.	
<i>(Course may be repeated for credit)</i>	

The Symphonic Band is for the more proficient instrumentalist who has a good background in playing an instrument. This ensemble performs several times a year. We will work to improve overall musicianship, quality of performance and knowledge of music. All percussionists will also participate in all symphonic band activities but should sign up for Percussion Ensemble.

AP Music Theory	AZ05114
Sites:	CG
Grade:	11 - 12
Credit:	1 Year – 1 credit
Prerequisites:	Participation in a performing art and instructor approval.

Music theory is a highly challenging course, geared toward the more serious music student. If a student intends to study music in college this class is an excellent way to get a head start. This class will focus on all elements in music. We will spend time studying key signatures, chord progressions, ear training, sight singing and arranging.

Independent Study of Instrumental Music	AZ05109
Sites:	CG, VG
Grade:	11, & 12
Length of course:	1 semester – 1/2 credit
Credit type:	Elective
Prerequisites:	Recommendation by the music teacher

May be repeated for credit pending teacher recommendation.

Individual technique Instrumental music courses provide individuals with instruction in instrumental literature and techniques. These courses may be conducted either individually or in a small group; formal and informal performances are typically included as well as experiences in creating and responding to music.

Visual Arts

Art I	AZ05154
Sites:	CG, VG
Grade:	9 - 12
Credit:	1 year – 1 credit
Prerequisites:	None

A course designed for first-year art students. Students will be introduced to a wide range of art techniques, media, drawing and painting skill development, plus art history and art appreciation. Students will learn such basic drawing and painting skills as: perspective, still life, mechanical renderings, animal and figure studies, color theory and basic painting skills through graphic art and traditional subject matter.

Art II	AZ05154
Sites:	CG, VG
Grade:	10 - 12
Credit:	1 year – 1 credit
Prerequisites:	Art I
<i>(Course may be repeated for credit)</i>	

A course designed for continuing art students. Students will expand their artistic skills with various media, explore new techniques, and gain experience in personal artistic expression. Experience in competition may be available.

Art III	AZ05154
Sites:	CG, VG
Grade:	11 - 12
Credit:	1 year – 1 credit
Prerequisites:	Art II
<i>(Course may be repeated for credit)</i>	

Art III is a course designed for advanced art students. Students will expand their artistic skills with various media, explore new techniques, and gain experience in personal artistic expression. Experience in competition will be available.

AP Studio Art	AZ05172 
Sites:	CG
Grade:	10 - 12
Credit:	1 year – 1 credit
Prerequisites:	Art I

AP Studio Art Portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio art program consists of three possible portfolios: 2-D design, 3-D design, and drawing – corresponding to the most common college foundation courses. This class earns weighted credit.

Vocal Music

Chorus I	AZ05110
Sites:	CG, VG
Grade:	9 - 12
Credit:	1 year – 1 credit
Prerequisites:	None
<i>(Course may be repeated for credit)</i>	

This Choir class is a non-auditioned course for voices beginning choral music or wishing to continue their experience from middle school. All types and styles of music will be studied, as well as vocal techniques necessary for quality, healthful singing. Required performances include Winter and Spring concerts and other performances (on or off campus) as scheduled.

Chorus II	AZ05112
Sites:	CG, VG
Grade:	9 - 12
Credit:	1 year – 1 credit
Prerequisites:	Audition
<i>(Course may be repeated for credit)</i>	

This Intermediate Chorus is composed of both male and female voices wishing to continue their experiences in choral music. Students will work toward enhancing sight reading skills, vocal technique, and ear training, as well as theory concepts. Required performances include the winter and spring concerts and other performances (on or off campus) as scheduled. This group may also perform in AMEA/CHODA activities and other.

Blue Notes	AZ05111
Sites:	CG
Grade:	10 - 12
Credit:	1 Year – 1 credit
Prerequisites:	Audition
<i>(Course may be repeated for credit)</i>	

The Blue Notes is the elite vocal performance group of CGUHS. Students in Blue Notes use song, dance, movement and more to create performances. Students additionally focus on developing solo performance skills, a variety of music literature types, and audition for regional and state-level competitions. In addition to semester concerts, The Blue Notes are required to perform at many additional day, night, and possibly weekend performances. Additional rehearsal times may also be required.

Math Sequence & Courses

Credits Required for Graduation: **4 credits**

Credits Required for University: **4 credits**

Description:

Students must complete at least four years of mathematics and one of the credits must have Algebra II as a prerequisite. Arizona university admission for mathematics requires a passing grade of C or better in Algebra 1, Geometry, Algebra II, and one (1) additional math credit for which Algebra II is a prerequisite.

Incoming freshmen are placed in mathematics courses using multiple criterion such as, but not limited to, 8th grade course completion, AzM2, Galileo, District Math Placement Test, and teacher recommendation.

Year	Option 1	Option 2	Option 3 (Honors)	Option 4 (Honors)	Option 5 (ESS, GATE, CTE)
Freshmen	Algebra I	Algebra I	Honors Algebra 1 Geometry Honors Geometry Placement test required	Honors Geometry	Equivalent Courses <i>*Individualized plan for ESS or GATE students to be developed by a student study team comprised of the following: case manager, GATE Coordinator, content area teachers, parents, site administration, Director of ESS and Director of Curriculum</i> <i>*CTE Embedded math credit requires the approval of the CTE and Curriculum Directors</i>
Sophomore	Geometry	Geometry	Honors Geometry	Honors Algebra II	
Junior	Algebra II	Algebra II	Honors Algebra II	Honors Precalculus (See your counselor about possible CAC math courses)	
Senior	Choose from: <ul style="list-style-type: none"> Precalculus Honors Precalculus AP Statistics AP Computer Science Principles College Mathematics (<i>replaces Business math w/Algebra</i>) College Algebra (S1) DC Trig with Algebra (S2) DC 			Choose from: <ul style="list-style-type: none"> AP Calculus A-B AP Statistics AP Computer Science Principles <i>*Refer to course expectations of Advanced Placement.</i> <ul style="list-style-type: none"> College Mathematics 	

*Students may satisfy certain high school credits by taking CAC classes. Please see your guidance counselor for more information.

* DC = Dual credit (contingent on student enrollment and staffing availability)

Algebra I**Sites:****Grade:****Credit:****Prerequisites:****AZ02052****CG, VG****9****1 year – 1 credit****N/A**

Students study algebra, including writing, solving, graphing multi-step linear and quadratic equations, functions, and inequalities as well as systems of equations and inequalities. Also included are factoring and operations with polynomials and radicals. **Algebra I-E:** Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the students.

Honors Algebra I**Sites:****Grade:****Credit:****Prerequisites:****AZ02052****CG, VG****9****1 year – 1 credit****Placement based on District placement criterion**

Students must be proficient in operations with integers, fractions, and decimals to be considered for this course. Topics covered will be similar to those in Algebra 1 but will be covered more quickly and in depth. Topics are solving and graphing multi-step equations and inequalities, factoring and operations with polynomials and radicals. **This class earns weighted credit.**

Geometry**Sites:****Grade:****Credit:****Prerequisites:****AZ02072****CG, VG****10 - 11****1 year – 1 credit****Algebra I**

Students use geometric methods, properties, and relationships as a means to recognize, draw, describe, connect, and analyze shapes and representations in the physical world. Topics also include recognizing and applying inductive and deductive reasoning and the language of logic. **Geometry I-E:** Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the students.

Honors Geometry**Sites:****Grade:****Credit:****Prerequisites:****AZ02072****CG, VG****9 - 10****1 Year – 1 credit****Placement based on District Placement criterion**

Honors Geometry covers the same topics as Geometry in greater depth. In addition, students study the theory that leads to the topics presented. Proofs are included in the curriculum. **This class earns weighted credit.**

Algebra II**Sites:****Grade:****Credit:****Prerequisites:****AZ02056****CG, VG****10 - 12****1 year – 1 credit****Geometry or equivalent**

The study of algebraic applications is continued and expanded to include more advanced systems of equations, statistics, simplifying rational expressions, solving, and graphing quadratic equations and using the quadratic formula.

Honors Algebra II

AZ02056



Sites:

CG, VG

Grade Level:

10 - 12

Credit:

1 year – 1 credit

Prerequisites:

Geometry or equivalent

The study of algebraic applications is expanded to include more advanced systems of equations, statistics, simplifying rational expressions, solving and graphing quadratic equations and using the quadratic formula. Students will also study logarithmic equations and advanced algebraic topics along with the theory that leads to the topics presented. **This class earns weighted credit.**

Precalculus

AZ02057



Sites:

CG, VG

Grade:

11 - 12

Credit:

1 year – 1 credit

Prerequisites:

Algebra II

The study of algebraic applications is continued with the study of multi-valuable linear and nonlinear equations and inequalities.

Honors Precalculus

AZ02057



Sites:

CG, VG

Grade:

11 - 12

Credit:

1 year – 1 credit

Prerequisites:

Algebra II

Accelerated algebra that includes the topics: equations, functions, transformations, linear and quadratic functions, and inequalities, systems of linear equations and inequalities, exponential and logarithmic functions, polynomials, rational functions, sequences, and series. **This class earns weighted credit.**

AP Statistics

AZ02203



Sites:

CG, VG

Grad:

11 - 12

Credit:

1 year – 1 credit

Prerequisites:

Algebra II

The Advanced Placement course in Statistics consists of a full HS academic year of work that is comparable to statistics courses in college and universities. The AP course in statistics will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. **This class earns weighted credit.**

College Mathematics

AZ02999



Sites:

CG, VG

Grade:

12

Credit:


1 year – 1 credit

Prerequisites:


Algebra II or equivalent

Students will gain a working knowledge of college level mathematics and its application to real life problems. There is an emphasis on understanding mathematical concepts and their applications. Topics include set theory, probability, statistics, finance, and geometry. General Mathematics including personal finance, set theory, exponential growth and decay, probability, and statistics. This course may be offered for college (dual) Credit and is the course

most non-math/science majors need. [Board Adopted 2022] Note: In cooperation with Central Arizona Community College, the student may enroll in the college course (MAT141) to receive 3 hours of college Credit

College Algebra**Sites:****Grade:****Credit:****Prerequisites:****AZ02999** **CG, VG****12****1 Semester – ½ credit****Algebra II or equivalent**

Accelerated algebra that includes topics: equations, functions, transformations, linear and quadratic functions and inequalities, systems of linear equations and inequalities, exponential and logarithmic functions, polynomials, rational functions.

Trig w/ Algebra**Sites:****Grade:****Credit:****Prerequisites:****AZ02999** **CG, VG****12****1 Semester – ½ credit****College Algebra**

A comprehensive coverage of trigonometry and selected topics from college algebra for students Intending to take calculus: measurements of angles, trigonometric functions, equations and graphs, Inverse trigonometric functions, identities, polar coordinates, solutions of triangles, applications, complex numbers, DeMoivre's theorem, vectors, logarithms, exponential functions, partial fractions, conics, sequences and series.

AP Calculus A-B**Sites:****Grade:****Credit:****Prerequisites:****AZ02124** **CG, VG****11 - 12****1 year – 1 credit****Precalculus**

The Advanced Placement course in calculus consists of a full high school academic year of work that is comparable to calculus courses in college and universities. It is expected that students who take AP Calculus will seek college credit, placement, or both and will take the Advanced Placement exam at the end of the year. The AP Calculus course will include the study of functions, graphs, and limits; derivatives and their applications; and integrals and their applications. Upon completion of the course, students should be able to: work with functions represented in a variety of ways; understand the meaning of the derivative in terms of a rate of change; understand the meaning of the definite integral and be able to solve a variety of problems; understand the relationship between the derivative the definite integral; communicate mathematics both orally and in well-written sentences and should be able to explain solutions to problems; model a written description of a physical situation with a function, a differential equation, or an integral; use technology to help solve problems; determine the reasonableness of solutions; and develop an appreciation of calculus as a coherent body of knowledge and as a human accomplishment. **This class earns weighted credit.**

AP Calculus B-C**Sites:****Grade:****Credit:****Prerequisites:****AZ02124****CG, VG****11 - 12****1 year – 1 credit****AP Calculus A-B**

Explore the key concepts, methods, and applications of single-variable calculus including all topics covered in AP Calculus AB (functions, graphs, and limits, derivatives, integrals, and the Fundamental Theorem of Calculus) as well as additional topics in differential and integral calculus, such as parametric, polar and vector functions, and series. Become familiar with concepts, results, and problems expressed in multiple ways including graphically, numerically, analytically, and verbally. Use technology to help solve problems, experiment, interpret results, and support your conclusions.

This class earns weighted credit.

AP Computer Science Prin.**Sites:****Grade:****Credit:****Prerequisites:****AZ10157****CG, VG****10 - 12****1 year – 1 credit****Successful completion of first year Algebra and Geometry**

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career. Whether it is 3-D animation, engineering, music, app development, medicine, visual design, robotics, or political analysis, computer science is the engine that powers technology, productivity, and innovation that drives the world. Students will have opportunity to take the Advanced Placement test in the Spring to earn college credit. **This class earns weighted credit.**

Miscellaneous Electives

Film Studies**Sites:****Grade:****Credit:****Prerequisite:****AZ05201****VG****10 – 12****1 Semester – 1/2 Credit****None**

Film Studies course explores self-expression by utilizing movies as visual narratives. Students analyze and study all the language systems of film (e.g., photography, editing, sound, acting, story, writing, ideology, etc.). In studying these valuable tools that filmmakers use, students better understand how movies are constructed and appreciate the criteria necessary to make a film. Students both study and critique the works of others and participate in or produce art themselves. The course is both film history and genre study, to include comparative study of various films within a time period, culture, and genre.

Film Studies is not intended to be a course solely for aspiring filmmakers. Upon completion of the course, students will be able to explain the artistic and technical merits of film based on the skills learned throughout the semester.

Geography of the World**Sites:****Grade:****Credit:****Prerequisites:****AZ04001****CG, VG****9****1 semester – 1/2 credit****None (Elective Credit)**

In this course, students will be asked to demonstrate knowledge about the physical geography of our planet earth. The concepts will include: 5 themes of geography, the location and development of political boundaries, the location and importance of the world's physical features, geography's impact on humans, and the themes of World History (as a steppingstone to the study of World History sophomore year).

Student Leadership**Sites:****Grade:****Credit:****Prerequisite:****AZ22101****CG, VG****9 – 12****1 year – 1 credit****Class officers must enroll in Student Leadership**

Leadership courses are designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.

Teacher/Office Aide**Sites:****Grade:****Credit:****Prerequisite:****AZ22995****CG, VG****12****1 semester – 1/2 credit****None**

Aides perform various tasks and must be classified as a senior. Students may not enroll as a Teacher/Office Aide for more than one class period per semester.

Yearbook I-S1**Sites:****Grade:****Credit:****Prerequisite:****AZ11101****CG, VG****9 - 12****1 semester – 1/2 credit****None**

(Course may be repeated for credit)

This course trains students in the fundamentals of yearbook journalism. Course content includes history and progression of yearbook journalism; legal and ethical obligations of what you can and cannot put in a yearbook; interviewing styles; layout and design techniques; writing of articles; editing and proof-reading articles; basic photography; advertising/sales; meeting deadlines; decision making; and teamwork. The goal of this course is to produce a yearbook by the end of the school year. **Daily attendance and the availability to do work outside normal classroom hours are required.**

Yearbook I-S2**Sites:****Grade:****Credit:****Prerequisite: None****AZ11101****CG, VG****9 - 12****1 semester – 1/2 credit**

(Course may be repeated for credit)

This course trains students in the fundamentals of yearbook journalism. Course content includes history and progression of yearbook journalism; legal and ethical obligations of what you can and cannot put in a yearbook; interviewing styles; layout and design techniques; writing of articles; editing and proof-reading articles, basic photography, advertising/sales, meeting deadline, decision making, and teamwork. The goal of this course is to produce a yearbook by the end of the school year. **Daily attendance and the availability to do work outside normal classroom hours are required.**

Yearbook II	AZ11102
Sites:	CG, VG
Grade:	10- 12
Credit:	1 Semester – 1/2 Credit
Prerequisite:	Yearbook 1
(Course may be repeated for credit)	

Students will build upon knowledge gained in the Beginning Yearbook I course. Students will be required to implement knowledge by contributing to and producing the student-generated yearbook. Students will plan and produce the yearbook from inception to publication to distribution. Course content includes a review of legal and ethical obligations; interviewing styles; layout and design techniques; yearbook writing styles; editing and proofreading articles; yearbook photography; advertising/sales; meeting deadlines; decision making; leadership qualities and teamwork. This course's goal is to produce a yearbook by the end of the school year. **Daily attendance and the availability to do work outside normal classroom hours are required.**

Physical Education & Health Courses

Health & Fitness	AZ08009
Sites:	CG & VG
Grade:	9
Prerequisites:	None
Length of course:	1 year – 1 credit
Credit type:	Freshmen requirement

Health and Fitness combine the topics of Health Education courses (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically including aerobic activity and fitness circuits) with the intention of conveying the importance of life-long wellness habits.

Health	AZ08051
Sites:	CG & VG
Grade:	10 - 12
Prerequisites:	None
Length of course:	Semester - 1/2 Credit
Credit type:	Elective

Health education includes personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

Girls Weightlifting	AZ08009
Sites:	CG & VG
Grade:	10, 11 & 12
Prerequisites:	Girl's PE
Length of course:	Semester – 1/2 Credit
Credit type:	Elective

Students will develop lifelong knowledge and skills with free weights and universal lifting stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning.

PE * Coed	AZ08001
Sites:	CG
Grade:	10
Credit:	1 Semester – 1/2 Credit
Prerequisite:	None

Students will be taught the fundamental skills, rules, and requirements of various individual and team sports. They will learn lifetime fitness activities, how to interact with other students of varying abilities and the basic foundations of athletic participation. Students will take part in pre- and post-fitness tests. All students will take part in fitness activities to improve personal fitness levels which may include walking, running, calisthenics and other physical exercises. Mandatory dressing out.

Adv. Sports Conditioning	AZ08009
Sites:	CG, VG
Grade:	10, 11, 12
Credit:	1 Year – 1 Credit
Credit Type:	Elective
Prerequisite:	Coach recommendation only

(Course may be repeated for credit.) Students may not be concurrently enrolled in any other sports conditioning class)

The course is designed for the scholastic and athletic betterment of student-athlete members of a site athletic team. This course will implement the development of skills and personal potential for student athletes interested in improving their current performance and physical well-being, in addition to preparation for further development at the collegiate level. A student must be a varsity athlete to enroll. Mandatory dressing out.

Frosh Football Conditioning	AZ08013
Sites:	CG, VG
Grade:	9
Credit:	1 Semester – ½ Credit
Prerequisite:	Member of Football Team

The course is offered in the fall semester only. It is designed for the scholastic and athletic betterment of student-athlete members of the site Football Team. This course will implement the development of skills and personal potential for student athletes interested in improving their current performance and physical well-being, in addition to preparation for further development at the collegiate level. Approval for enrollment must be obtained from the varsity head coach prior to registration. Mandatory dressing out.

Basketball *Coed	AZ08013
Sites:	CG
Grade:	10 - 12
Credit:	1 semester – ½ credit
Prerequisite:	Boys/Girls PE or Coach's Approval

This is an upper-level Coed PE class designed for students to get instruction on the popular sport of basketball. Basic skills, rules and teamwork are the foundation of the instruction for this course. The main focus of the class will be on tournament and game play. Three-week seasons are played continuously throughout the semester. Other sports may be played as a break from the sport. Mandatory dressing out.

Cardio Fitness *Coed	AZ08005
Sites:	VG
Grade:	10 - 12
Credit:	1 semester – ½ credit
Prerequisite:	Boys/Girls PE or Coach's Approval
(Course may be repeated for credit)	
<p>This course may consist of dance aerobics, step, hi/lo impact movement, aerobic kickboxing, Pilates, yoga, P90X, Insanity, Zumba, and body toning workouts (circuit training). The class objective is to increase one's cardiovascular fitness, improve stamina, burn calories, improve body shape, composition, increase flexibility, and muscular endurance through aerobic exercise, along with basic nutritional information, and proper weight management. Personal fitness tests will be given throughout the semester. Suitable for all (sports NOT incorporated). Mandatory dressing out.</p>	
Lifetime Sports *Coed	AZ08004
Sites:	CG, VG
Grade:	10 - 12
Credit:	1 semester – ½ credit
Prerequisite:	Boys/Girls PE or Coach's Approval
(Course may be repeated for credit)	
<p>This is an upper-level Coed PE class designed for students to get instruction for sports that they can continue to play after high school. Sports that will be covered in this class will include team sports like basketball, flag football, softball, soccer and individual sports like tennis, badminton, and bowling. Basic skills will be taught along with strategy, terminology, etiquette, and safety in this class for each student. Mandatory dressing out.</p>	
Net Sports *Coed	AZ08002
Sites:	CG, VG
Grade:	10 - 12
Credit:	1 semester – ½ credit
Prerequisite:	Boys/Girls PE or Coach's Approval
(Course may be repeated for credit)	
<p>Students will be given instruction in three separate units of "Net Sports": basketball, volleyball, tennis, and badminton. A fourth unit of fitness instruction will be administered throughout the semester. A unit test and skills test will be given at the conclusion of each unit. Also included are history, terminology, etiquette, safety rules and basic skills along with a culminating tournament. Mandatory dressing out.</p>	
Personal Fitness	AZ08016
Sites:	CG & VG
Grade:	10 - 12
Credit:	1 semester – ½ credit
Prerequisite:	None
<p>Students in Personal Fitness participate in both academic and physical activities to improve their knowledge about physical fitness and their own fitness level. Students gain research-supported knowledge about the "How's and Why's" of becoming and staying physically fit while simultaneously participating in a self-designed personal fitness plan. Some examples of fitness concepts explored in this course include the benefits of regular physical activity, components of fitness, exercise safety, risks of sedentary lifestyles, and the use of target heart rate range. Fitness level assessment and health risk assessment methods are also integrated into how to develop a personal fitness plan. A basic introduction of major muscles and how they help us move effectively, perform efficiently, and look great is included in this course as well. Mandatory dressing out.</p>	
(Course may be repeated for credit)	

Weight Training *Coed	AZ08009
Sites:	CG, VG
Grade:	10 - 12
Credit:	1 Semester – ½ Credit
Prerequisite:	Boys/Girls PE or equivalent

(Course may be repeated for credit)

The purpose of this course is to give students a foundation of information regarding weight training. Students will learn to create programs using knowledge of muscle groups and proper lifting techniques to develop strength. Mandatory dressing out.

Adv. Football Conditioning	AZ08009
Sites:	CG, VG
Grade:	10 - 12
Credit:	1 year – credit
Prerequisite:	Must play football

(Course may be repeated for credit)

Students may not be concurrently enrolled in any other sports conditioning class.)

The course is designed for the scholastic and athletic betterment of student-athlete members of the site Football team. This course will implement the development of skills and personal potential for student athletes interested in improving their current performance and physical well-being, in addition to preparation for further development at the collegiate level. Approval for enrollment must be obtained from the varsity head coach prior to registration. Mandatory dressing out.

Athletic Training	AZ14062
Sites:	CG, VG
Grade:	10 - 12
Credit:	1 year – 1 credit

This class covers anatomy and physiology of the human body. The student will learn to apply knowledge of the human body to athletic injuries. Basic first aid and wrapping procedures will be covered. Students enrolled in this class should possess a genuine interest in both anatomy and health care professions.

Career Industry Elective Courses

These courses are not counted in the CTE course sequence.

Freshmen Success	AZ22151
Sites:	CG, VG
Grade:	9
Credit:	1 semester – 1/2 credit

***Courses do not count toward CTE/Fine Arts graduation requirement.**

Freshmen Success is a course which prepares incoming ninth graders with the skills and habits of mind necessary to make a successful academic, social, and emotional transition to high school and post-secondary endeavors. Students will develop strategies to increase their study skills, time management, listening, and questioning techniques, independent thinking, critical reading, effective written and oral communication, and continuous learning.

Exploring Careers will also be a component of the Freshmen Success class. Careers is the foundation experience within the Career and Technical Education (CTE) Delivery System supporting the successful transition to high school Career and Technical Education Career Preparation programs. The Arizona Department of Education approved curriculum framework is aligned with the Arizona Workplace Standards, Arizona Technology Standards, and the National Career Development Guidelines. It introduces students to the States' Career Clusters as well as providing opportunities for instruction supported by a flexible learning environment, appropriate technology and support systems. Does not count toward CTE / Fine Art graduation requirement.

Business Management I	AZ12051
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the U.S. economic system, small businesses, and corporate organizations. Introductory Business courses may also expose students to the varied opportunities in administration, accounting, management, and related fields.

Introductory Music and Audio Production	AZ11056
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit

The introductory Music and Audio Production course will teach students technical knowledge and skills aligned to the production of sound recordings, film and video productions, live sound productions, broadcasts, video game productions or mixed media. Students will also explore the history and societal and economic impact of the music and audio production industry.

Fashion Design and Merchandising	AZ19207
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit

The course is designed to prepare students with knowledge and skills associated with apparel design, apparel production, as well as apparel selection, purchase, sales, and merchandising. The course will help prepare students for employment in various entry level positions in the apparel industry.

Law and Public Safety	AZ15051
Sites:	CG, VG
Grade:	10-12
Credit:	1 year – 1 credit

This course emphasizes constitutional as well as practical law while providing opportunities for students to investigate topics such as the history and theory of law enforcement, the legal system including criminal law and juvenile justice. Additionally, this course will allow students to explore careers in law and public safety and exposes them to a variety of pathway options.

Sports Medicine**AZ14062****Sites:****CG, VG****Grades****10-12****Credit:****1 year – 1 credit****Prerequisite:**

This course is designed for all students interested in allied health care such as athletic training, medical assisting, emergency medical technician, nursing, physical therapy doctor, and many others. It approves a foundation in allied health services, including administrative and clinical skills, medical ethics, HIPPPAA, anatomy and physiology as well as medical terminology, abbreviations, acronyms and symbols, patient scenarios, OSHA standards, first aid and CPR. Students will also explore careers in health-related fields. ADE CTE Technical Standards for Medical Assisting Services and Sports Medicine and Rehabilitation as well as Arizona College and Career Ready Standards will be integrated throughout the course.

Science Sequence & Courses

Credits Required for Graduation: **3 credits**
Credits Required for University: **3 credits (must be lab sciences)**
Description:

Arizona requires that students complete 3 years/credits in science.

It is strongly recommended that students planning on continuing post HS education, take an additional 4th year of a lab science in place of an elective course.

Year	Option 1	Option 2	Option 3 (Honors)	Option 4 (ESS or GATE)
Freshman	Investigative Science	Investigative Science	Honors Biology	Equivalent Courses <i>(Individualized plan for ESS or GATE students to be developed by a student study team comprised of the following: case manager, GATE Coordinator, content area teachers, parents, site administration, Director of ESS and Director of Curriculum)</i> *CTE Embedded science credit requires the approval of the CTE and Curriculum Directors
Sophomore	Biology	Biology	Honors Chemistry	
Junior	Physical Science	Physical Science	Honors Physical Science	
Senior (optional)	Choose from: Earth Science Investigative Science Biology Chemistry Physics Forensic Science Anatomy & Physiology	Choose from: Chemistry Physics Forensics Anatomy & Physiology	Choose from: AP Biology AP Chemistry AP Physics AP Environmental Science <i>*Refer to course expectations of Advanced Placement.</i>	

Life Science**Sites:****Grade:****Credit:****Prerequisites:****AZ03062****CG, VG****10****1 year – 1 credit****Placement based on reading level*****Not a Lab Science**

This non laboratory science course is designed to study the simplest one-celled forms to the complex multi-cellular organisms. The course includes areas such as cellular structure and function, natural selection, populations, and biodiversity. This course is structured to provide support in vocabulary development, reading comprehension, and the writing of lab reports. Students in this course learn about biological principles while strengthening their language art skills.

Investigative Science**Sites:****Grade:****Credit:****Prerequisites:****AZ03008****CG, VG****9****1 year – 1 credit****None**

Investigative Science course is designed to give students a look into many earth sciences concepts and phenomena. Exploration of how our earth rotates relative to the Sun and how latitude contributes to various weather patterns and seasons. The study of earth's spheres and interactive processes, human impact on ethical, social, economic, and political implications, as well as the role of energy. Students will work with technology to create projects and other meaningful outlets to show their knowledge of the world around us!

Biology**Sites:****Grade:****Credit:****Prerequisites:****AZ03051****CG, VG****10****1 year – 1 credit****Algebra 1, Recommended**

This is a laboratory science course studying life from the simplest one-celled forms to the complex multi-cellular organisms. The course includes areas such as cellular structure and function, genetics, natural selection, populations, and biodiversity. This is accomplished through lecture, visuals and structured laboratory exercises which demonstrate the dynamics of living things.

Honors Biology**Sites:****Grade:****Credit:****Prerequisites:****AZ03052****CG, VG****10****1 year – 1 credit****Algebra 1, District Placement Scores**

Honors Biology is a laboratory course that helps students prepare for AP Biology and other AP Science Courses and develop a conceptual framework for modern Biology and an appreciation of science as a process. The course will help students develop useful laboratory practices and analytical skills to be successful in college level science classes and in their future careers. **This class earns weighted credit.**

AP Biology**Sites:****Grade:****Credit:****Prerequisites:****AZ03056****CG, VG****10-12****1 year – 1 credit****Algebra 1, District Placement Scores**

AP Biology is an advanced laboratory course that helps students prepare for the AP Biology test and develop a conceptual framework for modern Biology and an appreciation of science as a process. The course will help students develop useful laboratory practices and analytical skills to be successful in college level-science classes and in their future careers. Students have the opportunity to take the Advanced Placement test in the spring to earn college credit. **This class earns weighted credit.**

Physical Science**Sites:****Grade:****Credit:****Prerequisites:****AZ03159****CG, VG****11****1 year – 1 credit****Earth & Space and Biology or Life Science**

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.

Physical Science Honors**Sites:****Grade:****Credit:****Prerequisites:****AZ03159****CG, VG****11****1 year – 1 credit****Earth & Space and Biology or Life Science**

This lab-oriented science course offers an overview of physics and chemistry. Emphasis will be placed on developing conceptual understandings of the following topics: Motion, Forces and Momentum, Work, Energy Storage and Transfer, Physical, Chemical, Electrical, and Magnetic Properties of Matter and Atomic and Nuclear Processes.

Earth Science**Sites:****Grade:****Credit:****Prerequisites:****AZ03001****CG, VG****11-12****1 year – 1 credit****Placement based on reading level**

Earth Science is a course that emphasizes the process of scientific investigation through the study of the physical world. Discussion of the earth, its materials, processes, history, and position in space will be included. This course will introduce the student to the quantitative nature of knowledge and the skills of scientific investigation.

Chemistry**Sites:****Grade:****Credit:****Prerequisites:****AZ03101****CG, VG****10-12****1 year – 1 credit****Biology Recommended**

Chemistry is the science that examines the structure of matter, its properties, and the changes it undergoes. It is based on both experiment and theory. As a result, the student comes to an understanding of the chemical world through a combination of laboratory experiments and analysis of the underlying theories. Topics will be studied using a combination of lecture/discussion, textbook reading, worksheets, demonstrations, and laboratory experiments. A course notebook is maintained, and lab write-ups are required. A solid foundation in math is important for success in this course.

Honors Chemistry**Sites:****Grade:****Credit:****Prerequisites: Algebra II****AZ023132****CG, VG****10****1 year – 1 credit**

Pre-AP Chemistry is designed to be the equivalent of an honors chemistry course at the high school level. The course focuses on developing a fundamental understanding of chemistry and fostering strong abilities to use chemical calculations effectively. Chemical calculations and the mathematical formulation of chemistry principles are emphasized. Lab experiences in the course are typical of first year college general chemistry courses and focus on quantitative aspects of chemistry. **This class earns weighted credit.**

AP Chemistry**Sites:****Grade:****Credit:****Prerequisites:****AZ03106****CG, VG****11, 12****1 year – 1 credit****Pre-AP Chemistry or equivalent, Algebra II**

AP Chemistry prepares students to take the AP Chemistry test and is designed to be the equivalent of a general chemistry course at the college level. The course focuses on developing a fundamental understanding of chemistry and fostering strong abilities to use chemical calculations effectively. Further, emphasizes Chemical calculations and the mathematical formulation of chemistry principles is emphasized. Lab experiences in the course are typical of first year college general chemistry courses and focus on quantitative aspects of chemistry. The AP Chemistry course builds student abilities to think critically, clearly, and logically, as well as become effective communicators. **This class earns weighted credit.**

Physics**Sites:****Grade:****Credit:****Prerequisites:****AZ03151****CG, VG****10-12****1 year – 1 credit****Algebra I and Scientific Inquiry or equivalent recommended**

This course covers the study of matter, energy, and information and their interactions in all systems. This course emphasizes hands-on activities that provide students the opportunity to practice physical thinking based on models and the integration of physical ideas with mathematics. Students will conduct experiments that gather and analyze physical data by mathematical and graphical means. This course will cover topics such as energy and information, kinematics, motion, forces, waves, atomic structure and the interaction of light and matter.

AP Physics A**Sites:****Grade:****Credit:****Prerequisites:****AZ03155****CG, VG****11-12****1 year – 1 credit****Biology and Algebra II**

AP Physics A course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rational motion); work, energy, and power; mechanical waves and sound, and introductory, simple circuits. In this course students develop a conceptual framework for modern physics and an appreciation of science as a process. The course will help students develop useful laboratory practices and the analytical skills to be successful in college-level science classes and in their future careers. Students have the opportunity to take the Advanced Placement test in the spring to earn college credit. **This class earns weighted credit.**

AP Physics B**Sites:****Grade:****Credit:****Prerequisites:****AZ03155****CG, VG****11-12****1 year – 1 credit****AP Physics A or comparable introductory course; students should have taken or be concurrently enrolled in pre-calculus or an equivalent course.**

AP Physics B course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. 25% of instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply science practices. Students have the opportunity to take the Advanced Placement test in the spring to earn college credit. **This class earns weighted credit.**

Forensic Science**Sites:****Grade:****Credit:****Prerequisites:****AZ03999****CG, VG****10-12****1 year – 1 credit****Biology or equivalent**

Forensic Science gives students a basic understanding of chemistry, physics, and biology used in crime-scene investigations. This course also delves into how these sciences are used in the courtroom. Labs, collaborative activities, investigations, and case studies are used to provide students with fundamental knowledge of crime scene investigations and how they are used in society.

AP Environmental Science**Sites:****Grade:****Credit:****Prerequisites:****AZ03003****VG****11, 12****1 year – 1 credit****Biology**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. The AP Environmental Science course enhances students' higher order thinking and reasoning abilities.

Anatomy & Physiology**Sites:****Grade:****Credit:****Prerequisites:****AZ03053****CG, VG****11, 12****1 year – 1 credit****Biology and Chemistry**

Anatomy and Physiology is the study of the body's structures and respective functions at the molecular/biochemical, cellular, tissue, organ systemic and organism levels. Students explore the body through laboratory investigations, model diagrams and/or comparative studies of the anatomy of other organisms. Through the study of the human body, students develop an understanding of who they are, what makes their bodies work, and what happens when their bodies malfunction. Decision making and responsibility are stressed as students learn about themselves and develop an understanding of the effects of their choices and decisions. The study of anatomy and physiology prepares students for a variety of pursuits such as health care, sports, and fitness careers, as well as for taking an active part in their own health and wellness.

Social Studies Sequence & Courses

Credits Required for Graduation: 3 credits

Credits Required for University: 2 credits

Description:

- Students must successfully complete World History/Geography, American History, Government, and Economics.
- Arizona universities require 2 years/units of Social Studies courses. One year/unit of history (including at least one course in American History) and one year/unit of an additional social science such as Geography, Government, Psychology, Anthropology, European or World History, Economics, or Sociology.

Year	Option 1	Option 2 (Honors)	Option 3 (ESS or GATE)
Freshmen		Pre-AP World History (1 semester) AP Human Geography	Equivalent Courses <i>(Individualized plan for ESS or GATE students to be developed by a student study team comprised of the following: case manager, GATE Coordinator, content area teachers, parents, site administration, Director of ESS and Director of Curriculum)</i>
Sophomore	World History/Geography	AP World History: Modern <i>*Refer to course expectations of Advanced Placement.</i>	
Junior	American History	AP U.S. History <i>*Refer to course expectations of Advanced Placement</i>	
Senior	Government/We the People Economics	AP Government <i>*Refer to course expectations of Advanced Placement</i>	

Pre-AP World History

Sites:

Grade:

Credit:

Prerequisites: None

AZ04051 

CG, VG

9

1 Semester – 1/2 Credit

Students in this course will develop an understanding of the themes of World History and World Geography. Students will use these tools to explore historical activities and data from the beginning of civilization to approximately 1200 CE. Students will become familiar with how to write a document-based question essay and explore the physical and political geography of the world. This course will ensure students are prepared to take AP World History next. **This class earns weighted credit.**

World History/Geography**Sites:****Grade:****Credit:****Prerequisites:****AZ04052****CG, VG****10****1 year – 1 credit****None**

World History/Geography covers the history and geography of the world from pre-history to the Middle Ages in accordance with state and ACCRS standards. Students will analyze the human experience through time; recognize the relationships of events and people; and interpret significant patterns, themes, ideas, beliefs, and turning points in World History.

AP World History: Modern**Sites:****Grade:****Credit:****Prerequisites:****AZ04057****CG, VG****10****1 year – 1 credit****Pre-AP World History or teacher approval**

Advanced Placement World History is a year-long course that will assist students in developing a greater understanding of the evolution of global processes and contacts and the interactions of different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Reading, writing, and analytical skills are stressed throughout the course in preparation for the AP exam in May. **This class earns weighted credit.**

American History**Sites:****Grade:****Credit:****Prerequisites:****AZ04101****CG, VG****11****1 year – 1 credit****None**

American History will be explored from European discovery to the present day in accordance with state and ACCRS Standards. The course is structured around activities, assigned readings, and discussions designed to develop an understanding of the cultural, economic, and political growth of the United States.

AP U.S. History**Sites:****Grade:****Credit:****Prerequisites:****AZ04104****CG, VG****11****1 year – 1 credit****AP World History/Geography or teacher approval**

The AP program in United States history provides college-bound students with analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands on them equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course will examine US history from colonization through the present day. Students will be required to complete a significant amount of reading and writing assignments in preparation for the AP exam in May. **This class earns weighted credit.**

U.S. Government**Sites:****Grade:****Credit:****Prerequisites:****AZ04151****CG, VG****12****1 semester – ½ credit****None**

Focus is the US Constitutional system, its foundations, form, and function. Further, the course emphasizes the three branches of government, civic responsibilities, and civil rights issues in the US as well as in Arizona. State and ACCRS Standards are covered throughout the semester.

We the People: The Citizen and the Constitution**Sites:****Grade:****Credit:****Prerequisites:****AZ04151****CG, VG****12****1 semester – ½ credit****None**

We the People: The Citizen and the Constitution course enhances students' understanding of the American constitutional democracy and prepares students for the academic rigors of higher education and the working world. Students will participate in several simulated congressional hearings, discovering the contemporary relevance of the Constitution and the Bill of Rights, with additional emphasis being placed on thorough examination of the US founding documents, US Supreme Court cases, and the US Legal System. Students may also have an opportunity to compete at the district, state, and national level against other schools participating in the We the People course. This rigorous course meets the Arizona State Standards for a high school Government course.

Economics**Sites:****Grade:****Credit:****Prerequisites:****AZ04201****CG, VG****12****1 semester – ½ credit****None**

The students will develop economic reasoning skills to apply basic economic concepts, assess problems and make choices. Students will also have an opportunity to evaluate the choices of others as consumers, workers, and citizens participating in local, national, and global economics.

AP Human Geography**Sites:****Grade:****Credit:****Prerequisites:****AZ04004****CG, VG****9 -12****1 semester – ½ credit****A or B in English**

The Advanced Placement course in Human Geography gives high-ability students the opportunity to earn college credit in geography while still in high school. More importantly, the content of an AP Geography course helps students develop critical- thinking skills through the understanding, application, and analysis of the fundamental concepts of geography. Through AP Geography, students are introduced to the systematic study of patterns and processes that have shaped human understanding, use and alteration of the earth's surface. They also learn the methods and tools geographers use in their science and practice. AP Human Geography is a college-level course and will require extra time on the part of the student for preparation and completion of reading and writing assignments. **This class earns weighted credit.**

Discussion of Contemporary Issues	AZ04004
Sites:	VG
Grade:	11-12
Credit:	1 semester – ½ credit
Prerequisites:	None

Discussion of Contemporary Issues is a one-semester Social Studies elective course that examines current issues and events as they unfold across the globe. Students will analyze and debate these issues and their effects on everyday life. Lessons will include small and large group discussions, research, readings, and writing assignments. The course is designed for juniors and seniors. This is a speaking and writing intensive course.

AP U.S. Government	AZ04157 
Sites:	CG, VG
Grade:	12
Credit:	1 semester – ½ credit
Prerequisites:	AP U.S. History

The acquisition of a thorough and systematic comprehension of the U.S. Government and politics requires that students learn facts and concepts and understand typical political processes. Further, students must be guided to use specific information critically to evaluate general propositions about government and politics as well as to analyze political relationships between people and institutions and between different institutions. Students are also required to interpret and utilize basic data relevant to government and politics in sustained written arguments. AP Government will require extra time on the part of the student for preparation and completion of reading and writing assignments. **This class earns weighted credit.**

Sociology	AZ04258
Sites:	CG, VG
Grade:	10-12
Credit:	1 semester – ½ credit
Prerequisites:	None

The course looks at the systematic study of human behavior as shaped by group life and social systems. The class will discuss foundations of sociology, methods of study including inequality (gender, age), social institutions (government, marriage) and social change throughout human social life.


AP Psychology	AZ04256 
Sites:	CG, VG
Grade:	10-12
Credit:	1 semester – ½ credit
Prerequisites:	A or B in English 1-2

The Advanced Placement course in Psychology gives high-ability students the opportunity to earn college credit in Psychology while still in high school. This class is designed to increase the students' understanding of psychology, theory, and research. The units of study will include methods and reasoning, developmental psychology, perception and sensation, learning and intelligence, motivation and emotion, personality disorders, and social psychology. Students have the opportunity to take the AP test in the spring to earn college credit. **This class earns weighted credit.**

History in Film	AZ04099
Sites:	CG
Grade:	9-12
Credit:	1 semester – ½ credit
Prerequisites:	None

In this course students will read about specific periods of the past through primary sources, research articles and books. Students will compare class readings with Hollywood film perspectives and other historical, social, and cultural perspectives of the same period. The focus of course work will be comprised of extensive discussion and written analysis. Students will need parent permission to view the films.

World Language Courses

Spanish I	AZ06101 
Sites	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit
Prerequisites:	None


This is a beginning Spanish course with a four-point emphasis: listening, speaking, reading, and writing. Basic grammar, basic vocabulary and comprehension are the skills emphasized. Included is an introduction to the Hispanic culture and the geography of the Hispanic world. Students whose primary language is Spanish should not take this class.

Spanish II	AZ06102 
Sites:	CG, VG
Grade:	10-12
Credit:	1 year – 1cCredit
Prerequisites:	Spanish I

Spanish II is a continuation of Spanish I. Vocabulary, grammar, oral and audio comprehension is expanded. Much time is spent on practical usage in the form of conversation.

Spanish III	AZ06102 
Sites:	CG, VG
Grade:	11-12
Credit:	1 year – 1cCredit
Prerequisites:	Spanish II

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

AP Spanish Language	AZ06112 
Sites:	CG, VG
Grade:	11-12
Credit:	1 year – 1 credit
Prerequisites:	Honors Spanish or Teacher recommendation.

AP Spanish Language is a course of intense studies through conversation, listening, comprehension, reading, writing and grammar analysis. These skills are expanded through the study of literature, culture, history, and geography of the Spanish-speaking world. The use of Spanish for active communication is stressed in the following ways: comprehending formal and informal spoken Spanish, composing expository passages, and expressing ideas orally with accuracy and fluency. **This class earns weighted credit.**

AP Spanish Literature**Sites:****Grade:****Credit:****Prerequisites:****AZ06113****CG, VG****11-12****1 year – 1 credit****Teacher recommendation.**

This course is intended for students who have taken the AP Spanish Language course or wish to further develop their reading and writing skills through the study of seven centuries of Hispanic literature. This course focuses on poetry analysis, thematic analysis, and text analysis of medieval and Golden Age literature, nineteenth-century literature, and twentieth-century literature of the Spanish-speaking world. Students will be exposed to a wide variety of genres and types of discourse and acquainted with significant works that have become sources for literature and art worldwide. Students must pass the AP Spanish Literature Exam offered at the end of the second semester for college credit. There is an additional fee for the A.P. Spanish Literature Exam. **This class earns weighted credit.**

Chinese Lang & Culture I**Sites:****Grade:****Credit:****Prerequisites:****AZ06401****CG, VG****9-12****1 year – 1 credit****None**

This course is designed to introduce students to Chinese language and culture. Chinese I courses emphasize basic syntax, simple vocabulary, written characters, and spoken tones 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. Chinese culture is introduced through the art, literature, customs, and history of Chinese-speaking people.

Chinese Lang & Culture II**Sites:****Grade:****Credit:****Prerequisites:****AZ06401****CG, VG****10-12****1 year – 1 credit****Chinese Language & Culture I**

Chinese II courses build upon skills developed in Chinese I, extending students' ability to understand and express themselves in Chinese 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 phrasing, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Chinese-speaking people to deepen their understanding of the culture(s).

Additional Academic Courses

English Language Development (ELD)

The CGUHSD English Acquisition Services Department provides student services in the form of English Language Development to those students who qualify. If a student scores less than proficient on the AZELLA, he or she may qualify for up to four hours of daily ELD instruction. Areas of instruction include Reading, Writing, Grammar and/or Vocabulary. In these courses, students focus on the English Language Proficiency Standards.

ELD Course Requirements:

Beginning in school year 2019-20, the flexibility permitted in Senate Bill 1014 allows all first-year ELL students to receive 100 minutes of English Language Development instruction per day as measured by Arizona English Language Learner Assessment (AZELLA), or an Individual Language Learning Plan (ILLP). Student placement will be determined by each student's English Language proficiency level.

ELD Conversational English & Vocabulary (<i>Elective</i>)	AZ01021
Sites:	CG
Grade:	9-12
Credit:	1 year – 1 credit
Eligible students: AZELLA composite score of less than Proficient (P).	
This course is one component of a four- component program.	

Students develop and integrate oral communication and academic vocabulary as identified by the state ELL Proficiency Standards. The delivery and comprehension of oral communication, use of the standard English conventions and use of academic vocabulary are taught using significant themes and high-interest content in meaningful context. Each semester, students will earn one-half elective credit

ELD Writing & Grammar (<i>Elective</i>)	AZ01028
Sites:	CG
Grade:	9 -12
Credit:	1 year – 1 credit
Eligible students:	
AZELLA composite score of less than Proficient (P).	

This course is one component of a four- component program.

Students develop and integrate grammar skills in English as identified by the state ELL Proficiency Standards. Increased control over correct grammar usage, proper syntax, morphology, phonology, and semantics are taught using significant themes and high-interest content in meaningful context. Each semester students will earn one-half elective credit.

Exceptional Student Services (ESS)

The CGUHSD ESS Department provides educational services to exceptional students through a continuum of services which include instruction in the general education classroom with supplementary aids and services, services integrated into the general education classroom, specialized instruction in a resource or pull-out setting, instruction in a specialized classroom, instruction in a special school, home instruction and instruction in hospitals or institutions. The removal of students with disabilities from the general educational environment will only occur when the nature or severity of the disability is such that education in general education classes or in a building with non-disabled students, with the use of Special Education services, cannot be achieved satisfactorily. An exceptional student is defined as any student who, because of an identified disability, requires specially designed instruction to receive a free, appropriate public education. A Multi-Disciplinary Evaluation and an Individual Education Plan (IEP) can determine the student placement and level of required service. All courses meet graduation requirements. Substitutions may be accepted if the IEP team indicates it is necessary. Enrollment in these courses is determined and recommended by the IEP Team and/or case manager. These courses will only be offered if highly qualified teachers are available.

Academic Resource	AZ22008
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit
Prerequisite:	IEP directive
<i>(Course may be repeated for credit) *Pass/Fail</i>	

This course is designed to assist students with an Individual Education Plan in their general education courses. An emphasis is placed on organization of course materials, preparation for tests, study techniques and learning strategies, as well as time to complete general course assignments and projects.

Adaptive PE	AZ08007
Sites:	CG
Grade:	9-12
Credit:	1 semester – ½ credit toward graduation
Prerequisite:	IEP directive
<i>(Course may be repeated for credit)</i>	

This course is designed to provide individual instruction in Physical Education. The course is individualized for each student based on the decisions made by the IEP Team. Students are provided with activities that enhance motor development, movement, balance, agility, coordination, and adaptive sports skills.

English R	AZ01067
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit
Prerequisite:	IEP directive
<i>(Course may be repeated for credit)</i>	

This course offers individualized instruction to meet a student's need in the areas of reading comprehension, reading fluency, vocabulary development, written expression, and grammar. Services to be provided will be indicated through objectives on the IEP.

English Fundamentals	AZ01001
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit
Prerequisite:	IEP directive
<i>(Course may be repeated for credit)</i>	

This course is designed for students who have difficulty in basic English. Activities and lessons are individualized to meet a student's need in the areas of reading comprehension, reading fluency, and vocabulary development. Services to be provided will be indicated through objectives on the IEP.

English Application E	AZ01156
Sites:	CG, VG
Grade:	12
Credit:	1 year – 1 credit
Prerequisite:	IEP directive
<i>(Course may be repeated for credit)</i>	

English Applications teaches students communication skills-reading, writing, listening, speaking-concentrating on “real-world” applications. Rather than emphasizing language arts skills as applied to scholarly and literary materials. Services to be provided will be indicated through objectives on the IEP.

English 9 E	AZ01001
Sites:	CG, VG
Grade:	9
Credit:	1 year – 1 credit
Prerequisite:	IEP directive
<i>(Course may be repeated for credit)</i>	

This course offers individualized instruction to meet a student's need in the areas of reading comprehension, reading fluency, vocabulary development, written expression, and grammar. This class mirrors the skills and concepts taught in English 9. Services directed as indicated by IEP.

English 10 E	AZ01002
Sites:	CG, VG
Grade:	10
Credit:	1 year – 1 credit
Prerequisite:	IEP directive
<i>(Course may be repeated for credit)</i>	

This course offers individualized instruction to meet a student's need in the areas of reading comprehension, reading fluency, vocabulary development, written expression, and grammar. This class mirrors skills and concepts taught in English 10. Services directed as indicated by IEP.

English 11 E	AZ01003
Sites:	CG, VG
Grade:	11
Credit:	1 year – 1 credit
Prerequisite:	IEP directive
<i>(Course may be repeated for credit)</i>	

This course offers individualized instruction to meet a student's need in the areas of reading comprehension, reading fluency, vocabulary development, written expression, and grammar. This class mirrors skills and concepts taught in English 11. Services directed as indicated by IEP.

Math Fundamentals	AZ2001
Sites:	CG, VG
Grade:	12
Credit:	1 year – 1 credit
Prerequisite:	IEP directive

(Course may be repeated for credit)

This course is designed for the students not recommended for the regular math program. The curriculum will be based upon assessment of math facts, computational skills, and practical real-life math. Services will be indicated through the objectives on the IEP.

Math Applications	AZ02051
Sites:	CG, VG
Grade:	10-11
Credit:	1 year – 1 credit
Prerequisite:	IEP directive

(Course may be repeated for credit)

This course is designed for the students not recommended for the regular math program. The curriculum will be based upon an algebraic curriculum focusing on Integers, Fractions, one and two step equations, Intro to Functions, square roots, basic geometric principles, and Irrational Numbers, etc. This class mirrors the skills taught in Algebra II. Services will be indicated through the objectives on the Individual Education Plan (IEP).

Consumer Math	AZ02157
Sites:	CG, VG
Grade:	11-12
Credit:	1 year – 1 credit
Prerequisite:	IEP directive

This course is designed for the students not recommended for the regular math program. Consumer math reinforces general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics). Students will learn to apply these skills to consumer problems and situations. Topics may include, but will not be limited to budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment. Services will be indicated through the objectives on the IEP.

Algebra I-E	AZ02052
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 Credit
Prerequisite:	IEP directive

This is an alternative to the regular Algebra 1 course. Students will take **2 semesters** to complete the concepts of Algebra 1, semester 1, as well as increase their overall basic math skills. This course is designed for the students not recommended for the regular math program. The curriculum will be based upon number sense, fractions, decimals, scientific notation, percentage, graphs, area, perimeter, and integers. Course may be taken only upon teacher approval. Course contents and instruction will be differentiated to meet the specialized needs of the students.

Geometry-E	AZ02072
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit
Prerequisite:	IEP directive

This course is designed for the students not recommended for the regular math program. The class mirrors skills taught in Geometry. This is the first part of a two-course cycle; credit will be granted after completion of the second part. This course emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurements in triangles.

Course may be taken only upon teacher approval. Course contents and instruction will be differentiated to meet the specialized needs of the students.

Functional Academics	AZ72206
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit toward graduation requirements per IEP Team
Prerequisite:	IEP directive & school location determined by student level of need

Functional Academics is designed for students who are significantly below grade level in one or more of the following areas (reading, writing, math) and they may or may not be eligible to take the AIMS-A. The course is designed to work through The Functional Arizona Academic Standards. The instruction is focused within the functional context of home, school, work, and community environments.

Functional Life Skills	AZ72206
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit toward graduation requirements per IEP Team
Prerequisite:	IEP directive

Functional Life Skills is designed for students who are significantly below grade level in one or more of the following areas (reading, writing, math) and they may or may not be eligible to take the AIMS-A. The instruction is focused within the functional context of home, school, work, and community environments focusing on independence within contexts, self-help and care skills and basic communication and mobility.

Functional Workplace Skills	AZ22152
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit toward graduation requirements per IEP Team
Prerequisite:	IEP directive

Functional Workplace Skills is designed for students who are significantly below grade level in one or more of the following areas (reading, writing, math) and they may or may not be eligible to take the AIMS-A. The instruction is focused within the functional context of home, school, work, and community environments focusing on preparing the student for transitioning to Adult Day Care, Shelter Workshop, Supported Employment, or other options determined by the IEP team and family. Student preferences are considered while developing appropriate work habits and routines.

Next Steps	AZ22152
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit toward graduation requirements per IEP Team
Prerequisite:	IEP directive
<i>(Course may be repeated for credit)</i>	

This course is designed to provide individual instruction in transition and work experience off campus. The course is individualized for each student based on the decisions made by the IEP Team. Students are provided with the basic skills in how to prepare for a job, complete job applications, interview for a job, and secure an off-campus job, based on the Arizona Workplace standards.

Integrated Fine Arts (Adaptive)	AZ05201
Sites:	CG
Grade:	9 – 12 (ESS)
Credit:	1 year – 1 credit
<i>Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the students.</i>	

Integrated Fine Arts courses explore self-expression across the fine arts: any subset or all visual arts, music, drama, theater, and literature may be included in the curriculum for these courses. Students both study and critique the works of others and participate in or produce art themselves. These courses often include comparative study of various art forms over time (i.e., the interrelationship of literature, music, and the performing arts of a particular time period and culture.

Adaptive Music	AZ05149
Sites:	CG, VG
Grade:	9-12
Credit:	1 year – 1 credit toward graduation requirements per IEP Team
Prerequisite:	IEP directive

This course is designed to provide individual instruction in music. Students will experience both choral and instrumental music tailored to meet their individual learning needs as indicated through the student's individual educational plan. Students will be able to perform for peers and family.

ESS On-The-Job-Training	AZ22998
Sites:	CG, VG
Grade:	11-12
Credit:	1 semester-1/2 credit
<i>(Course may be repeated for credit)</i>	

Students who are enrolled in the TOPS program have the opportunity to take this job training course. Students need to be working at least 15 hours per week. Students are paid for working and are evaluated on job performance by his/her supervisor. The TOPS instructor will help students be placed in the work force. Students can be transported during school hours but will need to find transportation home.

Gifted and Talented Education Program (GATE)

CGUHSD maintains that gifted students are found in all walks of life. Exceptional ability can be found in all cultures, linguistic groups, socioeconomic levels, and in individuals with disabilities. We strive to identify a population of gifted students that reflects the residents of our community. Services are provided to any student that meets or exceeds the 97th percentile on a state-approved test, as required per state law. CGUHSD also services students who score in the 95th percentile on the aforementioned tests. Each gifted student is an individual with differing talents, personality, and passions. CGUHSD aims to address the individual learning needs of each of our gifted students so that we may provide the most suitable educational opportunities possible and prepare our students to enter the worlds of both higher education and work. Gifted education in the district focuses on differentiating the content, process and product of curriculum offered to mainstream students while maintaining a focus on mastery of the Common Core Standard.

GATE Seminar**AZ22132****Sites:****VG****Grade:****9-12****Credit:****1 year-1 credit****Prerequisites:**

Students must qualify for the Gifted and Talented Program (GATE).

To be eligible for the GATE program a student must be at the 97th percentile or above on a state-approved test. Common tests include the Cognitive Abilities test, SAT, ACT, PSAT and PLAN.

This course is designed to challenge students to reflect critically on the diversity of knowledge, and the role knowledge plays in a global society. Students will develop Costa's Habits of Mind and apply themselves as learners and thinkers, to become aware of the complexity of knowledge, and to recognize the need to act responsibly in an increasingly interconnected world. The course will be seminar based, with class conducted primarily through discussion. Students will complete an individual research project that will be presented at the end of the year.

AP Seminar**AZ22110****Sites:****CG, VG****Grade:****10 - 11****Credit:****1 year-1 credit****Prerequisites:****Requires course instructor approval**

AP Seminar is the first of two classes required for the AP Capstone Diploma. Designed by the College Board to parallel college level courses in critical thinking and communications, AP Seminar course provides students with the opportunity to explore complex real-world issues through cross-curricular lenses. Course topics vary and may include local, civic, or global issues and interdisciplinary subject areas. Courses typically emphasize research, communication, and critical thinking skills to explore the issues addressed. Students may also examine source materials such as articles and other tests; speeches and personal accounts; and relevant artistic and literary works. This course is designed to challenge students to reflect critically on the diversity of knowledge, and the role knowledge plays in a global society.

AP Research	AZ22110
Sites:	CG, VG
Grade:	11 - 12
Credit:	1 year-1 credit
Prerequisites:	Student must have successfully completed the AP Seminar course

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

***Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate™.**

AP Capstone™ is an innovative diploma program from the College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP courses — AP Seminar and AP Research — and is designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses. In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. AP Seminar is a prerequisite for AP Research. Completing AP Seminar and all its required assessment components is necessary for students to develop the skills to be successful in AP Research. In AP Research, students cultivate the skills and discipline necessary to conduct independent research and inquiry in order to produce and defend their scholarly work. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate™.

Dual Enrollment Opportunities

**Courses will be held in conjunction with Central Arizona College.
Arizona General Education Curriculum (AGEC-A)**

Program Description: The Arizona General Education Curriculum (**AGEC-A**) fulfills lower-division general education requirements for students planning to transfer to an Arizona public university or community college. The AGEC-A transfers as a block of at least 35 credits which meet the target institution's general education requirements provided student earns a grade point average of 2.0 on a 4.0 scale for an Associate degree, and a GPA of 2.5 out of 4.0 for assured admission to the AZ public universities. Students may earn both high school and college credit for these classes.

*Class offerings dependent on the availability of qualified instructors and student enrollment.

CAC Course	CGUHSD Course	Year Offer
English101	English 12 S1	12
English102	English 12 S2	12
History101 US History	US History S1	11
History102 US History	US History S2	11
History103 History of West. Civ.	World History S1	10
History104 History of West. Civ.	World History S2	10
POS101 American Politics	US Government	12
ECM201 Princ. of Macroeconomics	Economics	12
MAT121 Intermediate Algebra Std	Algebra II S1	11 or 12
MAT 151 College Algebra	Precalculus S1	11 or 12
MAT 182 Trigonometry	Precalculus S2	11 or 12
BIO181 General Biology I	Biology S1	10
BIO182 General Biology II	Biology S2	10
CHM151 General Chemistry I	Chemistry S1	11 or 12
CHM152 General Chemistry II	Chemistry S2	11 or 12
PHY111 College Physics I	Physics S1	12
PHY112 College Physics II	Physics S2	12
SPA101 Elementary Spanish I	Spanish I S1	10 or 11
SPA102 Elementary Spanish II	Spanish I S2	10 or 11
SPA201 Intermediate Spanish I	Spanish II S1	11 or 12
SPA201 Intermediate Spanish II	Spanish II S2	11 or 12

Each semester credit will transfer as 1/6 of a high school credit. Therefore, a class earning 3 semester hours will transfer as a 0.5 credit class at CGUHSD. See your guidance counselor prior to enrolling in any CAC courses you intend to transfer for high school credit. If you are not sure if a class will transfer to a university, see your guidance counselor.

PLANNING WORKSHEET

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