



Gilbert Classical Academy
2017-2018 Course Description Booklet
Grades 7-12

GCA curriculum will reflect the GPS implementation of the Arizona College and Career Ready Standards for English Language Arts, Math & Literacy in History/Social Studies, Science and Technical Subjects





Gilbert Classical Academy

**Course Description Catalog
Grades 7-12**

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Notice of Nondiscrimination

Gilbert Public Schools does not discriminate on the basis of race, color, ethnicity, national origin, religion, sex or gender, sexual orientation, disability or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquiries regarding the nondiscrimination policies:

Compliance officer for Title IX

Director of Athletics 480-497- 3300, ext. 363

Compliance officer for Section 504

Director of Special Education 480-497- 3300, ext. 377

Aviso de no discriminación

Las Escuelas Públicas de Gilbert no discriminan basándose en la raza, color, etnia, origen nacional, religión, sexo o género, orientación sexual, discapacidad o edad en sus programas y actividades, y proporcionan acceso en condiciones de igualdad a los Boy Scouts y otros grupos de jóvenes. Las siguientes personas han sido designadas para tratar preguntas en cuanto a las políticas de no discriminación:

Funcionario de Cumplimiento de Título IX

Director de Deportes/Atletismo 4804973300, ext. 363

Funcionario de Cumplimiento para la Sección 504

Directora de Educación Especial 4804973300, ext. 377



Gilbert Classical Academy

The Gilbert Classical Academy (GCA) is an honors level school utilizing one-to-one integrated technology incorporated with Socratic instruction to prepare students for post-secondary education at a university. The six-year curriculum includes core courses in math, science, English, social studies, modern languages, Latin, physical education, music and the arts. All students are required to take AP level courses for their upper class core subject areas. GCA is a small school, which embodies a strong unity amongst students and the community. All students are required to perform 80 hours of community service in order to graduate, thus building a strong sense of responsibility to one's community.

Students at the junior high level are able to participate in various sports and they compete against other GPS junior high schools. High school students are members of the AIA competing in various divisions depending on the sport. All divisions are based on school size to ensure appropriate competition.

For more information, please contact the Registrar at (480) 497-4034

GCA Junior High School Course Plan

Credits:	7 th Gr.	8 th Gr.
Science (2 credits)	Honors Science 7	Honors Science 8
Math (2 credits)	Honors Math 7 (Pre-Algebra)	Honors Math 8 (Algebra 1)
English (2 credits)	Honors English 7	Honors English 8
Social Studies (2 credits)	Honors Social Studies 7	Honors Social Studies 8
Classics (2 credits)	Honors Latin 1	Honors Latin 2
Physical Education (2 credits)	PE 7	PE 8
Music Elective (2 credits)	Band, Choir or Orchestra	Band, Choir or Orchestra



GCA 4-Year High School Course Plan

*Graduation Credits:	9th Gr.	10th Gr.	11th Gr.	12th Gr.	28
Science (4 credits)	Honors Lab Biology	Honors Chemistry	AP Physics I	AP Biology or AP Chemistry or AP Physics 2	4
Math* (4 credits)	Honors Geometry	Honors Algebra II /Trigonometry	Honors Pre-Calculus	AP Calculus (AB or BC)	4*
English (5.5 credits)	Honors English I	Honors English II	AP Language/Composition	AP Literature/Composition	5.5
	Logic (.5)	Creative Writing (.5)	Honors Speech/Debate (.5)		
Social Studies (3.5 credits)		AP World History 10	AP US History 11	Honors American Government (.5)	3.5
			Honors Economics (.5)	Honors Philosophy (.5)	
Fine Arts Elective (2 credits)	Choose 1 Fine Arts	Choose 1 Fine Arts			2
Physical Education (1 credit)	PE 9				1
Foreign Language (2 credits)	Honors Spanish I or Honors Latin III	Honors Spanish II or Honors Latin IV	Honors Spanish III or AP Latin V		2
Service Learning (2 credits)			Service Learning 11 or STEM Service Learning 11	Service Learning 12 or STEM Service Learning 12 (Senior Thesis)	2
Electives (4 Credits)	Academic Workshop 9 (.5)	Academic Workshop 10 (.5)	Choose 1 (may select a Fine Arts elective)	Choose 2 (may select Fine Arts elective/s)	4

In addition to completing two courses in Service Learning, GCA students are required to complete 80 hours of various community service experiences in Junior and Seniors years, prior to graduating.

Beginning with the 2017 cohort, students must obtain a passing score on the American Civics Act Exam to graduate.

* Honors Algebra 1 taken in 8th grade is a prerequisite to Honors Geometry. Beginning with the 2019 Cohort year, this grade will be factored into the student high school GPA. Algebra I does not fulfill one of the 4 years of high school math credits that all GCA students are required to complete for graduation.



Important Information

ENROLLMENT REQUIREMENTS

All Gilbert Classical Academy students are required to be enrolled full time. The Academy has seven academic periods daily.

HONORS COURSES

The GCA honors curriculum is designed to provide academic acceleration and enrichment for all students. These courses prepare the student to take AP courses starting in their 10th grade year. It is recommended that students maintain a “C” or better to continue at the Academy. Students must abide by the Academic Misconduct and Cheating policy as outlined in the student handbook. All GCA Honors and AP courses receive weighted grades. For the purpose of Class Ranking, the unweighted GPA of all courses will be configured. Students will be assessed using the following grading scales:

<u>Grading Scale</u>	<u>GPA</u>	<u>Weighted GPA</u>
• A = 90 - 100%	A = 4.0	A = 5.0
• B = 80 - 89%	B = 3.0	B = 4.0
• C = 70 - 79%	C = 2.0	C = 3.0
• D = 60 - 69%	D = 1.0	D = 1.0
• F = Below 60%	F = No Credit	F=No Credit

Students who earn an “F” on a Semester grade in any course could be dismissed from the Academy.
Please be aware that many Universities will unweight grades for admission and scholarship criteria.

ADVANCED PLACEMENT (AP) COURSES

AP courses prepare students to take the national Advanced Placement examination given in the late spring of each school year. Students may be granted advanced placement status and/or college credit on the basis of how well they perform on these tests. Information regarding advanced placement courses and examinations is available from the counseling office. Students are not required to take an advanced placement course to be eligible to take the advanced placement examination; however, students enrolled in AP courses are expected to take the AP exam. For more information please visit www.apcentral.collegeboard.com.

COLLABORATIVE CREDIT

All courses offered at GCA must be taken to meet graduation requirements. All students must take a math course all four years of high school. Students who are accelerated in math may take courses through collaborative credit to fulfill the requirement to take math all four years. Math courses may be taken at other GPS high schools, community college or online university if courses are not offered at GCA. Any courses taken are subject to prior approval (i.e. before the start of the class) by the counselor and administrator on campus. Classes earning between three (3) and five (5) credit hours will receive one half credit (.5) to be awarded on transcript. GPS will not accept Community College or University classes as weighted grades. Upon successful completion of the college class, it is the student’s responsibility to provide the School Registrar with a copy of the Official Transcript.

DUAL ENROLLMENT classes are not offered at the Academy.

TRANSFER STUDENTS

Transfer students who plan to graduate from Gilbert Classical Academy will be held responsible for graduation requirements. Coursework completed outside the District will be evaluated to determine whether or not credit will be awarded. To receive a Gilbert Classical Academy diploma, a transfer student must meet graduation requirements and have completed 11th and 12th grade at the Academy. Honors courses taken in another district must correlate with Gilbert Classical Academy honors courses in order for weighted credit to be awarded.



FEES/EXPENSES

Please see course descriptions for specific fee and expense information. Fundraising, tax credits, and donations may help defray the cost of participating in extracurricular activities. Non-participation in optional activities will not affect the student's grade. Fees listed will furnish sufficient resources to successfully complete required course activities.

Additional fees that students may incur:

Activity Card \$45.00

Athletic Fee High School \$100.00, Chess \$55.00

Athletic Fee Junior High \$75.00, Chess \$35.00

Student Parking \$60.00

Late Library Fees – Per Day \$.10

AP Courses TBD

Lunch / Combo Lunch TBD

Optional Technology Device Protection Plan (DPP) \$25.00

See below:

Device Repair/Replacement Cost	With DPP	Without DPP
Device Replacement (Lost)	\$172.00	\$172.00
Device Replacement (Stolen)	\$0	\$172.00
Touchpad board	\$0	\$19.00
Battery	\$0	\$44.00
Power connector cable	\$0	\$13.00
Base enclosure	\$0	\$26.00
Display panel (screen)	\$0	\$35.00
Display bezel (front cover)	\$0	\$15.00
Display back cover	\$0	\$30.00
Display video cable	\$0	\$12.00
Keyboard / top cover	\$0	\$50.00
Wifi card	\$0	\$46.00
Speaker kit	\$0	\$8.00
AC Adapter	\$0	\$36.00

A comprehensive list of fees can be found in the back of this book.

Students may contact the school's principal to request a reduction/waiver of course fees.



GILBERT GOLDEN SCHOLARS

Academy students who earn high grades and demonstrate good character traits will be honored at an annual ceremony.

High School Golden Scholars requirements are listed below:

1. A cumulative grade point average of 3.80 or higher at the end of semester one, three, five and seven.
2. No F's or I's on transcripts.

Junior High Golden Scholar Requirements are listed below:

1. An overall grade point average of 3.80 for the first three grading periods (1st nine weeks, semester, 3rd nine weeks).
2. No F's or I's on transcript.

GRADUATION STATE MANDATED ASSESSMENTS

The Arizona State Department of Education requires that students participate in AzMERIT for Writing, English Language Arts, and Mathematics End of Course Assessments in grades 9, 10, and 11. There will no longer be a state graduation requirement related to any state assessment for Cohorts 2017 and forward. For further information, refer to the Arizona State Department of Education website at www.azed.gov.

VALEDICTORIAN/SALUTATORIAN SELECTION

To give all students an equal opportunity to become Gilbert Classical Academy's valedictorian or salutatorian the following guidelines will be used:

Only students in the top 15% of the graduating class will compete for the position of valedictorian and salutatorian.

- These students, at the end of the first nine weeks of second semester, will select the 52 subjects they want to use for their valedictorian/salutatorian GPA. The 52 classes must fulfill the student's GCA graduation requirements.
- GPA will be calculated using unweighted grade.
- No valedictorian or salutatorian candidate will have a grade lower than a "C" in any subject.
- Foreign exchange students will not be eligible for the valedictorian or salutatorian position.
- The valedictorian or salutatorian must have taken a minimum of fourteen (14.5) credits (29 semester courses) at Gilbert Classical Academy, and must be enrolled full time.
- Accelerated Math students may only use Honor/AP math courses taken either at GCA, a Gilbert Public High School or pre-approved Community College or University. Each 4 credit college course counts as 1 GCA semester course. Math must be taken all four years of high school.
- All transfer courses must be at the same level as the *equivalent* GCA course (Honors or AP level).
- Students who have been suspended during their senior year will not be allowed to speak at graduation.

Students who are interested in competing for the valedictorian or salutatorian position are encouraged to discuss this process with the school counselor.

Please keep in mind that the GPA school ranking is not necessarily the same as the rankings under this system.

EDUCATION AND CAREER ACTION PLAN (ECAP)

Students in grades 9-12 shall complete an Arizona Education and Career Action Plan (ECAP) prior to graduation. Students shall develop an Education and Career Action Plan in consultation with their parent or guardian and their counselor. Gilbert Public Schools students develop ECAPs in accordance with State Board Rule # R7.2-302.5: www.azed.gov/ecap. An ECAP reflects a student's current plan of coursework, career aspirations, and extended learning opportunities. The ECAP helps students personalize their education, and enables them to maximize the opportunities available upon high school graduation.



CAREER RESOURCES

Our School Counselors are available to provide information to help students make wise and mature decisions about their future. Information and assistance is provided in the following areas: career information, college entrance requirements, trade and technical school options, financial aid resources, military contacts with recruitment personnel, special programs and youth employment opportunities. Students over the age of 16 may utilize the GPS Youth Employment Services for assistance in obtaining potential job leads. This is a free service provided by the GPS Career and Technical Education Department. Access to the service may be obtained through the GCA Library or [http://www.gilbertschools.net/departments/career technical education/gilbert youth employment/](http://www.gilbertschools.net/departments/career_technical_education/gilbert_youth_employment/)



7thGrade

JSC750 Honors Science 7 (1 Credit-Weighted Grade):

This course will be an inquiry exploration of the natural world through an investigation of the history and nature of Science, Earth Science, and Ecology. Students will examine the composition of, and processes acting upon, the Earth and analyze the relationships among various organisms and their environment.

JMA750 Honors Math 7 (Pre-Algebra) (1 Credit-Weighted Grade):

This course will include a thorough review of basic computational skills as well as an introduction to necessary pre-algebraic skills. Problem solving involves decimals, fractions, sets, percentages, probability, area/volume and graphs in this diverse course.

JEN750 Honors English 7 (1 Credit-Weighted Grade):

This course will focus on reading strategies and writing skills that will be emphasized through the use of a pre-AP curriculum. Students in this course will study composition techniques, literary skills, and grammar usage skills. Literary genres include short stories, poetry, novels, plays, and nonfiction selections.

JSS750 Honors Social Studies 7 (1 Credit-Weighted Grade):

This course will cover key political, social, geographic, and economic events with an emphasis on American history from the mid 1800's through the beginning of WWII. Students will gain a deeper understanding of the events that shape the United States, the decisions leading to America's evolving identity, and the forces driving these decisions. The class will explore concepts that not only led to the development of our country but continue to influence our society today and the future by incorporating current events. Advanced reading strategies and writing skills will be emphasized through the use of a Pre-AP curriculum, focusing on the Arizona College and Career Readiness Standards for reading and writing (AZCCRS). Students will also go more in depth with a focus on activities that involve analysis, reasoning, debate, higher-level discussion, evaluation, and synthesis of content.

Musical Performance (1 credit):

This course will allow students to perform as a member of the Band, Orchestra, or Choir Program. Students will cover music fundamentals in each of the chosen programs. Students will be given the opportunity to perform a minimum of 4 times each year and will gain valuable experience advancing their musical skills and knowledge.

JPE700M/F Physical Education (1 credit):

This course will stress the building of the body and mind through studies of health issues, nutrition, beginning yoga, aerobics, and various team-building activities.

JFL750 Honors Latin I (1 Credit-Weighted Grade):

This course will include a review of English grammar and serves as an introduction to the language of the ancient Romans. Emphasis is placed on vocabulary development, Latin and English grammar and syntax.



8th Grade

JSC850 Honors Science 8 (1 Credit-Weighted Grade):

This course will explore the natural world through an investigation of the history and nature of science, chemistry, physics, heredity, life science and ecology. Students will examine the atom, the physical and chemical properties of matter, investigate the relationship between force and motion, understand the basic principles of heredity, and identify structural and behavioral adaptations of organisms.

JMA850 Honors Algebra I (1 Credit-Weighted Grade):

This course will include the study of numbers, measurement, geometry, data analysis, algebra, patterns and relations, and analytic reasoning with emphasis on communications, problem solving and application.

Please note beginning with the 2019 Cohort year, this grade will be factored into the student high school GPA. Please note that Algebra I does not fulfill one of the 4 years of high school math credits that all GCA students are required to complete for graduation.

JEN850 Honors English 8 (1 Credit-Weighted Grade):

This course will continue the grammatical and writing focus of 7th grade. Reading strategies and writing skills will be enhanced through the use of pre-AP curriculum. Emphasis will be placed on vocabulary development, advanced writing techniques, and literary analysis. Literary genres include short stories, poetry, novels, plays and nonfiction selections.

JSS850 Honors Social Studies 8 (1 Credit-Weighted Grade):

This course will focus on U.S. and Arizona Government and an introduction to Economics and then proceed with a continued study of American history from World War II through present-day. Study skills, note taking, writing and critical thinking skills will continue to be a major focus enabling students to gain a deeper understanding of the forces that continue to shape our country today. Advanced reading strategies and writing skills will be emphasized through the use of a Pre-AP curriculum, focusing on the Arizona College and Career Readiness Standards for reading and writing (AZCCRS). Students will also go more in depth with a focus on activities that involve analysis, reasoning, debate, higher-level discussion, evaluation, and synthesis of content.

Musical Performance (1 credit):

This course will allow students to perform as a member of the Band, Orchestra, or Choir Program. Students will cover music fundamentals in each of the chosen programs. Students will be given the opportunity to perform a minimum of 4 times each year and will gain valuable experience advancing their musical skills and knowledge.

JPE800M/F Physical Education (1 credit):

This course will stress the building of the body and mind through studies of health issues, nutrition, beginning yoga, aerobics, and various team-building activities.

JFL850 Honors Latin II (1 Credit-Weighted Grade):

This course will begin where Latin I concluded. Included will be a comprehensive review of Latin verbs, an introduction of the subjunctive mood and the attendant subordinate grammatical structures.



9th Grade

SC121A/B Honors Biology (1 Credit-Weighted Grade):

This course will explore processes such as photosynthesis, cellular respiration, mitosis and meiosis. This includes an investigation of the organization of living things from cellular to ecological levels.

MA305W/306W Honors Geometry A/Geometry B (1 Credit-Weighted Grade):

This course will emphasize critical thinking skills and the formulation of individual and group problem solving skills. Students will conduct an in-depth study of matrices, vectors, proofs, and three-dimensional graphs.

EN110A/B Honors English I (1 Credit-Weighted Grade):

This course will cover advanced strategies and writing skills through the use of pre-AP strategies and techniques. Emphasis will be on a variety of writing genres: persuasive, literary analysis, narrative, and research.

EN513 Logic (.5 credit):

This course will present the development of a formal system of propositional and predicate logic for the evaluation of reasoning. The general goal is to learn how to differentiate well-reasoned arguments.

EN513 Academic Workshop (.5 credit):

This course will provide assistance for students in achieving academic success. Course content includes self-management, study strategies, digital literacy, and ongoing development of critical thinking skills.

FL106 Honors Spanish I (1 Credit-Weighted Grade):

This course will introduce students to linguistic and cultural structures necessary for basic communication in Spanish. The course is taught entirely in Spanish while the textbook contains explanations and instructions in English.

or

FL310 Honors Latin III (1 Credit-Weighted Grade)

Prerequisite: successful completion of Honors Latin II and teacher recommendation

This course provides an opportunity for students to read Latin in the original text. Students study the following Latin literature genres: mythology, love poetry, history, oratory, theater and medieval works. They read the works in Latin, analyzing the literature critically and analytically. Different figures of speech and poetic devices are analyzed as they apply to the work. The historical and mythological background under which the works were written is pursued.

PE100A/B (Male)/101A/B (Female) Physical Education (1 credit):

This course will stress the building of the body and mind through studies of health issues, nutrition, beginning yoga, aerobics, and various team-building activities.

Fine Arts Elective (1 credit)

Selected from list of Fine Arts electives



10th Grade

SC136A/B Honors Chemistry (1 Credit-Weighted Grade):

This course will include a comprehensive study of all major topics in general chemistry with an introduction to organic chemistry and an intensive study of the fundamentals of biological chemistry.

MA405W/406W Honors Algebra IIA/Algebra IIB (1 Credit-Weighted Grade):

This course will cover the study of algebraic concepts. Topics include sequence and series, exponents and logarithms, and trigonometry, as well as developing the analysis of data through the use of technology.

EN210A/B Honors English II (1 Credit-Weighted Grade):

This course will focus on the essay and language skills required for entry into Advanced Placement coursework in English. World literature will be used as the basis for the reading and writing activities. Critical writing skills will be emphasized.

AW512 Creative Writing 10 (.5 credit):

This course will focus on the development of writing skills through the critical analysis of literature and the student's own compositions. Students will also write in a variety of paradigms including the short story, the informal essay, and poetry.

AW512 Academic Workshop 10 (.5 credit):

This course will provide assistance for students in achieving academic success. Course content includes structured scholastic study, vocabulary development, critical thinking skills and preparation for standardized examinations such as the PSAT.

SS101A/B AP World History (1 Credit-Weighted Grade):

This course will develop greater understanding of the evolution of global processes and contacts in different types of human societies as structured around the investigation from approximately 8000 B.C.E. to the present. This understanding is advanced through a combination of selective factual knowledge including geography and appropriate analytical skills. *Students who complete the course will be prepared to take the AP World History exam.*

FL108 Honors Spanish II (1 Credit-Weighted Grade):

This course will build on all of the skills acquired in level I Spanish and will work toward developing a greater fluency in the language. Reading includes articles, stories and short novels.

or

FL311 Honors Latin IV (1 Credit-Weighted Grade):

Throughout the school year, students will be reading and interpreting the works of many ancient Roman writers. While doing so, students will write a literal English translation of a Latin passage; identify the context and significance of the poems of authors such as Catullus, Ovid, Cicero, Horace, et al.; identify and analyze features of the writer's word choice and placement, imagery, figures of speech, and metrical devices; analyze characters, themes, or situations in specific passages; continue to develop knowledge of ancient Roman life and history by reading the literature of ancient and be able to sight read a Latin passage and be able to answer specific questions about that passage.

Fine Arts Elective (1 credit)

Selected from list of Fine Arts electives



11th Grade

SC151A/B AP Physics I (1 Credit-Weighted Grade):

This course will be an introduction to the basic laws of nature through experiments and problem solving using trigonometry and algebra. Topics include mechanics, energy, electricity sound and light. *Students who complete the course will be prepared to take the AP Physics I Exam.*

MA415A/B Honors Pre-Calculus (1 Credit-Weighted Grade):

This course will be a concentrated study of Algebra, Trigonometry, and Analytic Geometry designed to prepare students for entry into AP Calculus.

EN310A/B AP English III - Language & Composition (1 Credit-Weighted Grade):

This course will develop advanced writing skills and reading of prose written in a variety of rhetorical contexts. Included are interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. *Students who complete the course will be prepared to take the AP Language/Composition exam.*

EN912 Honors Speech/Debate (0.5 Credit-Weighted Grade):

This course will cover the basic methods of speech writing, argumentation, philosophy, research and delivery skills as well as literary analysis, interpretation and current events. It includes studies in reasoned decision making with emphasis on debate propositions, evidence, reasoning, constructing cases and refuting or defending arguments.

SS106A/B AP United States History (1 Credit-Weighted Grade):

This course will enable students to develop a thorough knowledge of historical facts, comprehension of forces of change and causality along with information based analytical skills. This course includes discussions about the 12 major themes in US history focusing on chronology, topical concepts, cause and effect, similarities and differences, major turning points and significant issues and problems. *Students who complete the course will be prepared to take the AP US History exam.*

SS412 Honors Economics (0.5 Credit-Weighted Grade):

This course will study economics both on a large and small scale. Macroeconomics will discuss the principles of economics that apply to an economic system as a whole, emphasizing the study of national income and price level determination. The study of Microeconomics analyzes the functions of individual decision makers, both consumers and producers within the economic system.

SS611 Service Learning 11 (1 credit):

This course will provide an opportunity for students to develop personal and leadership skills through service to others in fulfillment of the GCA graduation requirement for service hours. Students relate the service experience to course objectives through structured reflection and learning activities. Students will also explore educational and career choices as they begin their 'Road to College.'

or

SS612 Stem Service Learning 11 (1 credit):

This class is based on the Engineering Projects in Service curriculum developed at Purdue University and sponsored locally by ASU. Students will learn the human-centered design process and then apply it to solve a real-world problem faced by a partner organization in the community. Students will be expected to develop specifications, design their product, build a working prototype, and present it to their partner. This class will prepare students with technical and communication skills for a possible career in science, technology, engineering, or math. This class also satisfies GCA's service learning and college prep course requirements.

Elective (1 credit):

Selected from list of Electives.



12th Grade

SC122A/B AP Biology (1 Credit-Weighted Grade):

This course will focus on the development and application of conceptual knowledge of the scientific process with hands-on lab application, covering topics such as molecules and cells, heredity and evolution and organisms and population. Students who complete the course will be prepared to take the AP Biology exam.

or

SC137A/B AP Chemistry (1 Credit-Weighted Grade):

This course will provide the equivalent to the first year of college chemistry. Major emphasis will include structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, an in-depth study of basic thermodynamics concepts, reaction writing, and extensive laboratory work. Students who complete the course will be prepared to take the AP Chemistry exam.

or

SC152A/B AP Physics 2 (1 Credit-Weighted Grade):

This course will provide the equivalent to the second semester of algebra based college physics. Major emphasis will include electricity and magnetism, conservation laws, modern physics, light, thermodynamics, fluids, and extensive laboratory work. *Students who complete the course will be prepared to take the AP Physics 2 exam.*

MA416/417A/B AP Calculus AB or BC (1 Credit-Weighted Grade):

This course will cover calculus with analytic geometry as it relates to numbers, limits, continuity, differential and integral calculus of functions in one variable with an emphasis on technology. *Students who complete the course will be prepared to take the AP Calculus AB/BC exam.*

EN411A/B AP English IV - Literature & Composition (1 Credit-Weighted Grade):

This course will increase critical reading skills and analysis of fictional writing by considering a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Continued development of writing skills focuses on the critical analysis of literature and includes expository, analytical, and argumentative essays. *Students who complete the course will be prepared to take the AP Literature/Composition exam.*

SS210 Honors American Government (0.5 Credit-Weighted Grade):

This course will provide an analytical perspective on government and politics in the US. The course involves both the study of general concepts used to interpret US politics and the analysis of specific case studies. Constitutional scholarship is a focus.

SS512 Honors Philosophy (0.5 Credit-Weighted Grade):

This course will introduce students to the Western philosophical tradition, through the study of major figures such as Plato, Aristotle, Descartes, Hume and Kant. Students will observe changes in intellectual outlook over time, and the effect of scientific, religious and political concerns on the development of philosophical ideas.

SS912 Service Learning 12 (1 credit):

This course will provide an opportunity for students to actively develop personal and leadership skills through service to others in fulfillment of the GCA graduation requirement for service hours. Students relate the service experience to course objectives through structured reflection and learning activities. Students will also complete the required Senior Thesis Project.

or

SS913 Stem Service Learning 12 (1 credit)

This class is based on the Engineering Projects in Service curriculum developed at Purdue University and sponsored locally by ASU. Students will learn the human-centered design process and then apply it to solve a real-world problem faced by a partner organization in the community. Students will be expected to develop specifications, design their product, build a working prototype, and present it to their partner. This class will prepare students with technical and communication skills for a possible career in science, technology, engineering, or math. This class satisfies GCA's service learning and college prep course requirements. This class will also require a capstone thesis project to graduate.

Elective (2 credits): Selected from list of Electives.



Fine Arts and Elective Offerings for High School Students

For graduation, GCA High School students are required to take five electives from the list below of which two must be Fine Arts.

NOTICE: Performing arts classes may have additional program costs which are listed as maximum costs within each course. Additional program costs will be due according to a schedule provided by the teacher. Please contact the teacher to determine the actual amount required.

MU900 Beginning Guitar (Guitar I) (1 credit)

FA elective credit will be issued for this course.

Introduction to Guitar is for students who have little or no experience playing guitar or a musical instrument in general. Students will perform beginning solo and ensemble literature for a classroom audience, read simple single line music, and develop basic guitar technique. Public performance may be expected. Students must use their own guitar.

MU901 Intermediate Guitar (Guitar II) (1 credit)

FA elective credit will be issued for this course.

This is an elective for intermediate guitarists who have some experience on the instrument and are able to read standard music notation. Students will learn open chords, power chords, moveable chords, single notes (melody) playing, accompaniment techniques, and a variety of playing techniques and styles, including both pickstyle and fingerstyle approaches to the guitar. This course also includes music fundamentals, theory, songs, performances, listening, improvising, and learning to read standard music notation, as well as tablature. The main focus of this class is ensemble performance. There is also an emphasis on solo classical guitar performance. In addition, students will be required to perform twice each semester and will be encouraged to attend performances. Prerequisites: Successful completion of beginning guitar with at least a B average, or audition. Students must use their own guitar.

PA160A/B Concert Band II (1 credit)

FA elective credit will be issued for this course.

This course will examine standard band literature. Topics will include literature of contemporary and traditional concert band styles. The course will include participation in local concerts and festivals. Appropriate performance attire will be required.

Course Fee \$80 per Year.

Additional program costs may be incurred for optional activities related to the program, not to exceed \$125.00.

PA165A/B Symphonic Band (1 credit)

FA elective credit will be issued for this course.

Symphonic Band is available to students in grades 9-12. The course will focus on improving the students' technical skills on their instrument in conjunction with performing music. The ensemble will perform 4 concerts throughout the year and may compete at a local festival. (Essential Techniques 2000; Book 3 – Teal)

Course Fee \$80 per Year

Additional program costs may be incurred for optional activities related to the program, not to exceed \$800.00

PA170A/B Wind Ensemble (1 credit)

FA elective credit will be issued for this course.

Wind Ensemble is available to students in high school by audition only. Students in this course will perform some of the most recognized pieces in band literature, as well as music by current up and coming composers. The course will focus on improving the overall musicianship of the individual, as well as the ensemble as a whole.

Course Fee \$80 per Year

Additional program costs may be incurred for optional activities related to the program, not to exceed \$800.00



PA101A/B Concert Orchestra II (Chamber Orchestra) (1 credit)

FA elective credit will be issued for this course.

This course will provide students an introduction to advanced string playing skills through methods and traditional and contemporary string literature. Practice and performance preparation are the key concepts of this course, which serve as a feeder into Symphonic Strings. Appropriate performance attire will be required.

Course Fee \$50 per Year

Additional program costs may be incurred for optional activities related to the program, not to exceed \$675.00.

PA105 Symphonic Strings (1 credit)

FA elective credit will be issued for this course.

This course will focus on the great string literature of the Baroque, Classical, Romantic, and Contemporary style periods. It will involve rigorous practice and performance preparation. Appropriate performance attire will be required. This group also participates in Symphony Orchestra and performs a minimum of eight times per year, including after school and weekend festivals.

Course Fee \$50 per Year

Additional program costs may be incurred for optional activities related to the program, not to exceed \$225.00.

PA120A/B Chorale (1 credit)

FA elective credit will be issued for this course.

This advanced mixed choir will provide students the opportunity to study literature of all style periods, advanced vocal techniques and musicianship skills. It will involve a rigorous performance schedule and competition in state and local events. Appropriate performance attire will be required.

Course Fee \$40 per Year

Additional program costs may be incurred for optional activities related to the program, not to exceed \$75.00.

PA130A/B Advanced Women's Chorus (1 credit)

FA elective credit will be issued for this course.

This advanced women's choir course will provide students the opportunity to study literature of all style periods, vocal technique and musicianship skills. The choir will serve as a feeder program for Chorale upon acquisition of skills. Concert performances will be every nine weeks. Appropriate performance attire will be required.

Course Fee \$40 per Year

Additional program costs may be incurred for optional activities related to the program, not to exceed \$700.00.

PA145A/B Men's Chorale (1 credit)

FA elective credit will be issued for this course.

This course will feature a study of tenor and bass literature in a variety of styles with an emphasis on vocal technique and musicianship skills. The choir will serve as a feeder into chorale upon acquisition of skills. Concert performances will be every nine weeks. Appropriate performance attire will be required.

Course Fee \$40 per Year

Additional program costs may be incurred for optional activities related to the program, not to exceed \$75.00

PA175A/B Beginning Theatre Arts (1 credit)

FA elective credit will be issued for this course.

This course will provide students with a study of the various aspects of theatre performance. Topics will include acting, movement, pantomime, improvisation, theatre history, and play production. Students will have the opportunity to participate in class performances. ***Note: This class will have a performance component that will require evening and/or weekend commitments.***

Course Fee \$10 per Year.



PA176A/B Intermediate Theatre Arts (1 credit)

Prerequisite Beginning Theatre Arts

FA elective credit will be issued for this course.

Topics will include acting, voice and movement, improvisation, directing, monologue study and audition techniques, and production. Students will have the opportunity to participate in class performances and perform their work outside of class. After-school, evening and weekend commitments may be expected.

Course Fee \$10 per Year.

PA177A/B Advanced Theatre Arts (1 credit)

Prerequisite Intermediate Theatre Arts

FA elective credit will be issued for this course

This course will explore acting and play performance, including auditioning techniques, voice and diction, dialects, movement specialties, period acting, method acting, improvisation, and performance. Students will have the opportunity to observe professional play performances, perform in class performances, community outreach programs, and various competitions. After-school, evening and weekend commitments may be expected.

Course Fee \$10 per Year.

PA180A/B Introduction to Technical Theatre (1 credit)

FA or CTE elective credit will be issued for this course.

This course will provide students with a study of all fundamentals involved in theatre production. Major topics include scenic design, aesthetic values in theatre, theatre history, sound lighting, costume and makeup design, and stage management. Students will work in the classroom, auditorium, and other venues applying their knowledge to hands-on projects in theatre arts.

Note: After-school, evening, and weekend commitments are expected.

PA182 Intermediate Technical Theatre (1 credit)

FA or CTE elective credit will be issued for this course.

Prerequisite Introduction to Technical Theatre

This course will expand on the fundamental knowledge and skills gained in Introduction to Technical Theatre. Students will apply newly acquired skills during production work and will begin the process of design and theatre management. Major topics include stage management and the production process; advanced construction for scenery, properties and costume; design elements and process in lighting, set, sound, and properties and makeup. Students will work in the classroom, auditorium, and scene shop. After-school, evening, and weekend commitments may be expected as students work on Theatre Arts department productions.

VA100A/B Art & Design I (1 credit)

FA elective credit will be issued for this course.

This course will introduce students to the basic elements and principles of design. Students will learn drawing techniques emphasizing line, positive/negative space, perspective, value, texture, lettering, and portrait proportion by utilizing black and white media. Students will also explore studies in color and advanced drawing and painting techniques.

Course Fee \$20 per Semester.



VA101A/B Art & Design II – Drawing (1 credit)

Prerequisite Art & Design I

FA elective credit will be issued for this course

This course will provide a comprehensive understanding, appreciation, and exploration of drawing, using both wet and dry media in perspective, landscape, portrait, still life, and figure drawing. Historical aspects, contemporary trends, and art criticism will be studied.

Course Fee \$25 per Semester

SS140 Psychology 1 (1 credit)

Elective credit will be issued for this course

Grade 11 & 12 only 1 Semester (0.5 credit)

This course will examine human behavior. Topics will include the history of psychology and explore the topics of learning and memory, methods of research, state of consciousness and analysis of behavior.

SS141 Psychology 11 (1 credit)

Prerequisite Psychology 1

Elective credit will be issued for this course

Grade 11 & 12 only 1 Semester (0.5 credit)

This course will explore infancy and childhood, adolescence, adulthood, personality theories, psychological testing, stress and health, psychological disorders, methods of therapy, social cognition and social interaction.

EN515A/B Journalism I (1 credit)

CTE elective credit will be issued for this course

This course will introduce basic journalism skills. Writing design and layout is emphasized.

EN516A/B Journalism II (1 credit)

CTE elective credit will be issued for this course

This course will incorporate the skills learned in Journalism I through the publication of the school newspaper, magazine or other publications.

FLTBD AP Latin V (1 credit)

Prerequisite Honors Latin IV

Elective credit will be issued for this course

This AP Latin course is designed to give students the experiences needed to be successful on the College Board AP Latin exam. The course's goals are to develop the students' abilities to read aloud and translate the required passages from Caesar's *De bello Gallico* and Vergil's *Aeneid* into English as literally as possible, to help them understand the context of the written passages (including the political, historical, literary, and cultural background of each author and text), and to help them understand the reasons behind the particular style of writing and the rhetorical devices employed. The course should also help students to be successful in analyzing Latin passages to understand how and why the author uses the language in a particular way and the effects he is hoping to produce. Students will learn to analyze the text and draw their own logical conclusions. This course should give students tools to read Latin prose and poetry aloud and with accurate comprehension and appreciation. For the Vergil text, students will learn dactylic hexameter and how it is used to enhance the text and create effect, and students will scan the poetry at least once a week.

This course may be canceled due to master schedule and/or lack of interest.



FL111A/B AP Spanish III (1 credit)

Prerequisite Honors Spanish II

Elective credit will be issued for this course

This course will emphasize oral conversation, grammar, and reading. Students will have the opportunity to study Latin American countries and culture. *Students who complete the course will be prepared to take the AP Spanish Language & Culture exam.*

This course may be canceled due to master schedule and/or lack of interest.

LM106A Culinary Arts 1 (0.5 credit)

CTE elective credit will be issued for this course

This course will provide instruction in meal preparation, basic nutrition and health food selection. Healthy cooking principles, safety and sanitation, proper use of equipment, and basic workplace skills will also be covered.

Course Fee \$25 per Semester

LM107 Culinary Arts 2 (0.5 credit)

Prerequisite Culinary Arts 1

CTE elective credit will be issued for this course

This course will incorporate advanced cooking and baking techniques, i.e., pastries, yeast breads, beef, fish, poultry, and cheese. Students will also use technology for presentations and learn basic cake decorating techniques, as well as continuing development of workplace skills.

Course Fee \$25 per Semester



GCA Reading List

7th grade Honors English

Around the World in 80 Days (Jules Verne)
Tangerine (Edward Bloor)
The Adventures of Tom Sawyer (Mark Twain)
Watsons Go to Birmingham 1963 (Christopher Paul Curtis)
The Prince and the Pauper (Mark Twain)
The Call of the Wild (Jack London)

8th grade Honors English

The Hound of the Baskervilles (Arthur Conan Doyle)
The Giver (Lois Lowery)
Fahrenheit 451 (Ray Bradbury)
Midsummer Night's Dream (William Shakespeare)
Treasure Island (Robert Louis Stevenson)
Holocaust books (originated from district)

9th grade Honors English I

The Hobbit (JRR Tolkien)
A Separate Peace (John Knowles)
To Kill a Mockingbird (Harper Lee)
Romeo and Juliet (William Shakespeare)
A Raisin in the Sun (Lorraine Hansberry)
Animal Farm (George Orwell)

10th grade Honors English II

Oedipus the King (Sophocles)
The Great Gatsby (F. Scott Fitzgerald)
The Aeneid (Virgil) (Translation: Robert Fitzgerald)
Of Mice and Men (John Steinbeck)
The Lord of the Flies (William Golding)
Anthem (Ayn Rand)
Antigone (Sophocles)
Macbeth or Julius Caesar (William Shakespeare)

11th Grade AP Language & Composition

The Scarlet Letter (Nathaniel Hawthorne)
The Grapes of Wrath (John Steinbeck)
The Adventures of Huckleberry Finn (Mark Twain)
A Streetcar Named Desire (Tennessee Williams)
Silent Spring (Rachel Carson)
Man's Search for Meaning (Viktor Frankl)

12th Grade AP Literature & Composition

Billy Budd (Herman Melville)
The Inferno (Dante)(Translation: John Ciardi)
King Lear (William Shakespeare)
The Metamorphosis (Franze Kafka)
Heart of Darkness (Joseph Conrad)
The Stranger (Albert Camus)
Hamlet (William Shakespeare)

For a comprehensive review of each novel on the Board Approved Reading List please visit

<http://gilbert.ss11.sharpschool.com/cms/One.aspx?portalId=63564&pageId=101241>



Required AP/Honors Summer Reading List

7th Grade

Honors English

Around the World in 80 Days (Jules Verne)

8th Grade

Honors English

The Hound of the Baskervilles (Arthur Conan Doyle)

9th Grade

Honors English

The Hobbit (JRR Tolkien)

10th Grade

Honors English

Oedipus the King (Sophocles)

11th Grade

AP Language & Composition

The Scarlet Letter (Nathaniel Hawthorne)

12th Grade

AP Literature & Composition

Billy Budd (Herman Melville)



Comprehensive List of Course Fees

<u>Course #</u>	<u>Course Name</u>	<u>Fee</u>	<u>Term</u>	<u>Purpose of Fee</u>	<u>Additional Program Costs (potentially for optional activities). See teacher syllabus for exact cost and details.</u>
LM106	Culinary Arts 1	\$25	Sem	Supplies	
LM107	Culinary Arts 2	\$25	Sem	Supplies	
PA101	Concert Orchestra 11	\$50	Year	Supplies, Repairs, Registrations, Transportatic	Not to Exceed \$675.00
PA105	Symphonic Strings	\$50	Sem	Supplies, Repairs, Registrations, Transportatic	Not to Exceed \$225.00
PA120	Chorale	\$40	Year	Supplies, Repairs, Registrations, Transportatic	Not to Exceed \$75.00
PA130	Adv. Women's Chorale	\$40	Year	Supplies, Repairs, Registrations, Transportatic	Not to Exceed \$700.00
PA145	Men's Chorale	\$40	Year	Supplies, Repairs, Registrations, Transportatic	Not to Exceed \$75.00
PA160	Concert Band 11	\$80	Year	Supplies, Repairs, Registrations, Transportatic	Not to Exceed \$125.00
PA165	Symphonic Band	\$80	Year	Supplies, Repairs, Registrations, Transportatic	Not to Exceed \$800.00
PA175	Wind Ensemble	\$80	Year	Supplies, Repairs, Registrations, Transportatic	Not to Exceed \$800.00
PA175	Beg. Theatre Arts	\$10	Year	Supplies	
PA176	Interm. Theatre Arts	\$10	Year	Supplies	
PA177	Advanced Theatre Arts	\$10	Year	Supplies	
VA100	Art & Design 1	\$25	Sem	Supplies	
VA102	Art & Design 11-Painting	\$25	Sem	Supplies	

