

Greenbrier Christian Academy



Course Catalog Grades 6-12

2024-2025

Note to Parents and Students:

This course listing is provided to Academy students and parents to outline course expectations, and to help the student determine the level of interest in various courses offered at Greenbrier Christian Academy. Additional information related to academic expectations and policies may be found in the GGA Student Handbook.

Due to unforeseen changes in enrollment, staffing, and course availability, some classes may not be offered during the current school term. The Academy reserves the right to change or modify course offerings as is necessary.

If you have specific questions or need clarification, please contact the Student Services Office at 757-547-9595.

Table of Contents

(Control-Click to follow link)

Graduation Requirements	4
Academic Course Plan/ Credit Analysis Form	5
Recommended Core Course/Subject Tracks	7
Honors and Advanced Studies.....	10
Academic Endorsements.....	13
Collegiate Academy Course Listing.....	17
Collegiate Academy Course Descriptions.....	18
<i>Bible</i>	18
<i>Business/Professional Arts</i>	19
<i>English</i>	20
<i>Fine Arts</i>	25
<i>Foreign Language</i>	31
<i>History/ Social Sciences</i>	33
<i>Mathematics</i>	37
<i>Physical Education/ Health</i>	41
<i>Practical Arts</i>	42
<i>Science</i>	44
<i>STEP Center (Successful Techniques for Educational Progress)</i>	48

Graduation Requirements

To graduate from Greenbrier Christian Academy, in accordance with established guidelines in the Commonwealth of Virginia, students must complete the following series of credits.

Standard Diploma Course Requirements Subject Area	Credits
English	4
Mathematics (Algebra 1, Geometry, Algebra Functions, Data Analysis, Algebra II)	3
Laboratory Sciences (Earth Sciences, Biology, Chemistry or Physics) *	3
Social Studies (World History, VA/US History, US Government)	3
Health & Physical Education	2
Economics/Personal Finance	1
World Language, Fine Arts or Career/Technical Education*	2
Electives	4
Total=	22

Advanced Diploma Course Requirements Subject Area	Credits
English	4
Mathematics (Algebra 1, Geometry, Algebra II, and Adv elective) *	4
Laboratory Sciences (Earth Sciences, Biology, Chemistry, Physics, Adv elective)*	4
Social Studies (World Studies, Western Civilization, AP Euro History, VA/US History, US Government)	4
Health & Physical Education	2
Economics/Personal Finance	1
Foreign Language (Three years of one language or two years of two languages)	3
Fine Arts/Career and Technical Ed*	1
Electives	3
Total=	26

In addition to the academic requirements stated, the following requirements must be met to graduate from GCA. Each student must:

- Complete and submit proof of 24 hours of approved community service for each year of high school enrollment at GCA.
- Successfully complete the cumulative senior “Worldview Panel Project” (paper and interview) with senior instructors and senior administration.
- Complete one career and/or technical education credential (fulfilled by the ASVAB test or comparable exam.)
- Successfully complete at least one “online course” prior to graduation. (This is facilitated in the context of English 11 and AP English Language. Failure to complete this internal course will require that the student find and complete an approved online course outside of GCA.)
- Complete training in emergency First Aid and CPR/AED use. (This is typically completed during required PE/Health classes. Failure to complete this course will require that the student find and complete certified training outside of the institution.
- Maintain a minimum grade point average of 2.0 (numeric average=73) on a 4.0 scale.

Academic Course Plan/ Credit Analysis Form

Academic planning is coordinated through the Student Services office to create a “four-year plan” for each student. An annual audit of each student’s transcript is completed by the staff in the Student Services Office to ensure that all students earn the necessary credits toward graduation in accordance with the requirements of Greenbrier Christian Academy and the Commonwealth of Virginia. The master copy of the Academic Course Plan/ Credit Analysis is maintained in the office for each student. In the spring of each year of enrollment, students and parents receive an updated copy of this document, along with the information necessary to select classes for the upcoming school term. Below is a brief explanation of the information that is provided.

The courses required at each grade level are pre-printed on the form. Any variation from this, specific to your student, will be noted.

Greenbrier Christian Academy/ Academic Course Plan/ Credit Analysis

Student Name: _____ Class of _____

Diploma type:
 _____ College Preparatory (26 credits)
 _____ General Academic (25 credits)

Middle School School year(s): _____
 School: _____
 1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 Credits: Term _____ Cum _____
 GPA: Term _____ Cum _____

Ninth Grade School year: _____
 School: _____
 1. English 9 _____
 2. Earth Science _____
 3. Health/PE _____
 4. World St/Bible 9 _____
 5. Math _____
 6. FL _____
 7. _____
 8. _____
 Credits: Term _____ Cum _____
 GPA: Term _____ Cum _____

Tenth Grade School year: _____
 School: _____
 1. English 10 _____
 2. Biology _____
 3. Health/PE _____
 4. World St/Bible 10 _____
 5. Math _____
 6. FL _____
 7. _____
 8. _____
 Credits: Term _____ Cum _____
 GPA: Term _____ Cum _____

Eleventh Grade School year: _____
 School: _____
 1. Bible 11 _____
 2. English 11 _____
 3. Chemistry _____
 4. U. S. History _____
 5. Math _____
 6. FL _____
 7. _____
 8. _____
 Credits: Term _____ Cum _____
 GPA: Term _____ Cum _____

Twelfth Grade School Year: _____
 School: _____
 1. Bible 12 _____
 2. English 12 _____
 3. U. S. Government _____
 4. Economics/Bus Fin _____
 5. Math _____
 6. _____
 7. _____
 8. _____
 Credits: Term _____ Cum _____
 GPA: Term _____ Cum _____

Additional Course Work Year: _____
 School: _____
 1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____

Academic Testing

	Date	Date
PSAT		
SAT/ACT		
ASVAB		

Community Service

	Q1	Q2	Q3	Q4
10 th				
11 th				
12 th				

CREDIT ANALYSIS

	11	12			For Lang	1	2	3
Bible	9	10	11	12	PE/High	1	2	
English	A1	Geom	A2		Econ	1	2	
Math	FS	Bin	Chem		Fine Arts			
Science	Geog	WS1/B9	WS2/B10	USH	Art			
History								

Comments: _____

Due to unforeseen changes in enrollment, staffing, and course availability, GCA reserves the right to change or modify elective course offerings as necessary.

In addition to the courses taken, this form will show the latest tally of credits and the student’s grade point average for the current school year (term GPA), and cumulatively for the students’ high school career (cum GPA).

These tables reflect the record of the students’ standardized tests and the hours of community

This grid is used to analyze and track that the credits required for graduation are fulfilled.

Greenbrier Christian Academy/ Academic Course Plan/ Credit Analysis

Student Name: _____ Class of _____

Diploma type:

_____ College Preparatory (26 credits)

_____ Standard Academic (22 credits)

Middle School School year(s): _____

School: _____

1. _____

2. _____

3. _____

4. _____

5. _____

Credits: Term _____ Cum _____

GPA: Term _____ Cum _____

Ninth Grade School year: _____

School: _____

1. English 9 _____

2. Science _____

3. Health/PE _____

4. History _____

5. Math _____

6. FL _____

7. _____

8. _____

Credits: Term _____ Cum _____

GPA: Term _____ Cum _____

Tenth Grade School year: _____

School: _____

1. English 10 _____

2. Science _____

3. Health/PE _____

4. History _____

5. Math _____

6. FL _____

7. _____

8. _____

Credits: Term _____ Cum _____

GPA: Term _____ Cum _____

Eleventh Grade School year: _____

School: _____

1. Bible 11 _____

2. English 11 _____

3. Science _____

4. U. S. History _____

5. Math _____

6. FL _____

7. _____

8. _____

Credits: Term _____ Cum _____

GPA: Term _____ Cum _____

Twelfth Grade School Year: _____

School: _____

1. Bible 12 _____

2. English 12 _____

3. U.S. Government _____

4. Economics/Pers Fin _____

5. Math _____

6. _____

7. _____

8. _____

Credits: Term _____ Cum _____

GPA: Term _____ Cum _____

Additional Course Work Year: _____

School: _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Academic Testing

	Date	Date
PSAT		
SAT/ACT		
ASVAB		

Community Service

9 th		
10 th		
11 th		
12 th		

CREDIT ANALYSIS

Bible	11	12				For Lang	1	2	3	
English	9	10	11	12		PE/Hlth	1	2		
Math	A1	AFDA	A2			Econ	1			
Science	ES	Bio	Chem			Fine Arts				
History	WC/WS	WS/APEuro	USH	Govt		CS/Tech				

Comments: _____

Due to unforeseen changes in enrollment, staffing, and course availability, GCA reserves the right to change or modify elective course offerings as necessary.

Recommended Core Course/Subject Tracks

	6	7	8	9	10	11	12	Electives
English	English 6	English 7	English 8	English 9 OR Honors English 9	English 10 OR AP Seminar	English 11 OR AP English Language OR AP Seminar OR AP Research*	English 12 OR AP Eng Lit OR AP Research* OR DE College English	*AP Seminar is a prerequisite for AP Research
History	History 6	Civics	Economics	Western Civilization OR World Studies	World Studies OR AP Euro	US History OR AP US History	US Government OR AP US Government	
Science	Science 6	Life Science	Physical Science	Biology OR Adv. Biology* OR Environmental Science	Biology OR Adv. Biology* OR Chemistry	Chemistry* AND/OR Honors Anatomy/Physiology* OR Physics	AP Chemistry AND/OR AP Biology * AND/OR Physics	*Chemistry and Anatomy are prerequisites for AP Bio * Advanced Biology is recommended for students seeking AP Bio

Mathematics	Math 6 OR Math 7*	Math 7 OR Pre- Algebra*	Pre- Algebra OR Algebra 1 *	Algebra 1 * OR Geometry * OR Algebra Functions/Data Analysis	Algebra Functions/Data Analysis OR Geometry * OR Algebra 2 *	Algebra 2 OR Math Analysis OR Statistics	Math Analysis OR Statistics OR Quantitative Reasoning OR AP Calculus AB	*Based on testing placement
--------------------	-------------------------	-------------------------------	--------------------------------------	--	--	--	--	--------------------------------

Honors and Advanced Studies

Honors Designation Program

Students who have a particular interest in or ability for a given subject are offered the opportunity to complete honors level work in that subject. For successful completion of these assignments, students earn additional credit value (.5 additional weight as calculated into the student GPA), and the designation of “Honors” on their permanent high school transcript. Students may select to pursue these opportunities on a class-by-class basis.

1. Participation is open to any student at the discretion of the course instructor. Participation is optional and is dictated by the student’s desire to successfully complete the honors credit work. The successful student will have demonstrated previous achievement in the content area.
2. Partial credit towards “honors” will not be granted.
3. Honors credit may not be appended to courses designated as Advanced Placement or Dual enrollment (for college credit). All these classes will automatically carry the extra GPA weighted point designation.
4. Upon successful completion of the class requirements, the weighted average for the course will appear on the student report card and subsequent academic transcript.

Advanced Placement Program

Advanced Placement courses are offered at the Academy in accordance with the curriculum and standards set by the College Board Advanced Placement Program. All the courses are subject to an extensive audit by the College Board, and thereby comply with the rigor and excellence of the national AP program. AP classes are equivalent to college level courses and therefore carry an additional quality point (1.0 calculated into the GPA) in the student’s final cumulative average. Students must make application for admission into the advanced placement courses. Often this requires certain prerequisite courses, minimum grades in affiliated courses, and faculty recommendations. Specific information about each AP course is available from the course instructor. Summer assignments are required in preparation for the upcoming school year.

The following Advanced Placement courses are offered based upon student interest and staffing availability: AP Seminar, AP Research, AP English Literature and Composition, AP English Language and Composition, AP Biology, AP Chemistry, AP Precalculus, AP Calculus AB, AP European History, AP U.S. History, and AP U.S. Government.

Advanced Placement courses require the purchase of additional materials including textbooks. All students enrolled in AP courses are required to pay for and complete the AP examination at the end of the school year regardless of their performance in the class. *Once enrolled in an AP course a student may not drop the class.*

Additional information regarding the courses can be found in the context of the course description, by contacting the course instructor, the Student Services Office, or the AP Program Coordinator.

College Credit/ Dual Enrollment Program

To expand the educational opportunities for the students of Greenbrier Christian Academy, the Academy has entered partnership arrangements with a number of colleges and universities (Liberty University, Regent University, Cedarville University, Grand Canyon University, Asbury University, and Tidewater Community College.) The aim of this program is to provide dual enrollment and/or dual credit opportunities for qualified students during the junior and senior year of high school. The benefits to this program are significant for our students. By participating, GCA students have the privilege of:

- investigating areas of interest with courses that could not be held due to limited staffing.
- studying at the collegiate level in preparation for full time college instruction in the future.
- gaining college credit hours prior to the completion of the high school diploma at a reduced college tuition rate.

Program Admission: Enrollment is open to students who qualify based upon the criteria established by the university or college and by GCA. Administration reserves the right to decline admission to a dual enrollment class based on the student's overall academic performance. Students entering their junior year may pursue the college credit option. The admission requirements vary by institution and are dictated by the college or university. Qualified students must maintain full time status as a student of Greenbrier Christian Academy, fulfill the requirements of the high school diploma program established by the School Board, and comply with any regulations for extra-curricular activities or sports to maintain participation with GCA teams. There is no reduction of high school tuition for students participating in the early college credit program.

Special note: Careful consideration should be given to the participation in dual enrollment/dual credit programs. Each college or university maintains specific policies regarding the acceptance of college courses taken by high school students. In many instances, if the credit is included on the high school transcript, credit IS NOT granted at the college level. Therefore, it is incumbent upon the student/family to consider the student's post high school plans to ensure that the credits will be accepted by the student's choice of college. *Dual enrollment/ dual credit will not be awarded for any class taken outside of GCA without prior permission being granted by the Registrar or Academic Dean.*

Course Delivery: Course delivery methods vary, but can include on-line or distance courses, on campus late afternoon courses, night courses, or hybrid models. Dual enrollment courses may be mounted on the GCA campus with adequate interest. This option allows students to take college courses on the campus of GCA, with a GCA instructor, and earn appropriate credits from the certifying institution.

Schedule: Proof of enrollment with the affiliated institution must be provided to the Student Services Office within the first week of the college class. Students enrolled in distance or on-line

courses will be assigned a daily study period for the express purpose of completing the work associated with the college course. Class session dates vary by course and institution. Students are subject to those timeline expectations.

A student who is granted early dismissal for the purpose of “on-campus” college study must depart the GCA campus at the appointed time unless previous arrangements are made (help class, detention, meeting). Students who fail to comply with this expectation will lose the early dismissal privilege and be placed in the first available supervised setting.

Credits: Rarely, a college course is taken in fulfillment of a core high school requirement that cannot be staffed or offered in the normal curriculum. In that instance, the course taken at another institution may be noted on the high school transcript and incorporated into the student’s cumulative high school grade point average. This requires that an official transcript and verification of attendance from the college or university be sent to GCA.

More often, elective or college courses are taken due to student interest or to gain early college credit. In this situation, the college credits are maintained *separately* from the high school transcript. *These are not calculated into the high school GPA.* Students and their families must request that the early college transcript be sent from the institution where they were earned to prospective four-year colleges being considered for attendance after graduation.

Academic Endorsements

The administration, faculty, and staff of Greenbrier Christian Academy believe that as unique individuals, students are gifted in different ways and should be recognized for their various strengths within the academic, spiritual, and social realms. Students may elect to demonstrate their areas of interest and gifting by working toward recognitions to be associated with their high school diploma and transcript. The following designations are appended to the cumulative transcript and are recognized at graduation if the criteria are met.

To receive any of these distinctions, the student must file a *Transcript Review Request Form* with the Student Services office by the end of the third quarter of study prior to graduation. The transcript is then reviewed for compliance so that the award can be conferred.

Distinguished Scholar Endorsement

To be named as a “Distinguished Scholar”, a student must complete all the requirements of an advanced diploma to include 8 honors credits, 4 AP credits and an overall cumulative grade point average of 3.5.

Advanced diploma with Subject distinction(s)

Students may be recognized for accomplishment in one or more areas of study based upon completion of courses and activities emphasizing these interests or talents.

Bible

1. Overall cumulative grade point average of 3.25
2. Average of 90 or higher in all required Bible courses
3. 48 community service hours focused on mission work or service to the local church
4. Superior performance (85% or higher) on the cumulative senior Worldview Panel project

Math

1. Overall cumulative grade point average of 3.25
2. Average of 90 or higher in all required Math courses
3. Minimum of two honors endorsements in required Math courses
4. Successful completion of AP Calculus AB or higher with a final course average of at least 83.00 (B)
5. Participation in at least one of the following math related activities:
 - a. One semester of peer tutoring in math (minimum of 18 hours)
 - b. Participation in math camp (minimum one week) with an accredited school, college, or university
 - c. Participation in an approved local, state, or national competition in math
 - d. Other pre-approved math related activity

English

1. Overall cumulative grade point average of 3.25
2. Average of 90 or higher in all required English courses
3. Minimum of one honors endorsement in required English courses
4. Successful completion of at least one AP English course with a final course average of at least 83.00 (B)

5. Participation in at least one of the following English related activities:
 - a. Participation in an approved essay, poetry, or other writing competition
 - b. Serve as member for at least one year on Parchment (Yearbook) staff.
 - c. One semester of peer tutoring in language arts (minimum of 18 hours)
 - d. Other pre-approved language arts related activity

Foreign Language

1. Overall cumulative grade point average of 3.25
2. Average of 90 or higher in all credited foreign language classes
3. Successful completion of honors Spanish 4 with a final course average of at least 83.00 (B)
4. Participation in at least one of the following foreign language activities:
 - a. One semester of peer tutoring in foreign language (minimum of 18 hours)
 - b. Participation in an enrichment program for foreign language (Governor's school, immersion program, community outreach, etc.)
 - c. Participation in mission work (minimum of one week of service) in a location where the student's elective language is predominantly spoken
 - d. Other pre-approved foreign language related activity

Science

1. Overall cumulative grade point average of 3.25
2. Average of 90 or higher in all required science classes
3. Minimum of two honors endorsements in required science classes
4. Successful completion of at least one AP Science course **or** two advanced science electives (Honors Anatomy & Physiology, Astronomy, Physics, Oceanography) with final course averages of at least 83.00 (B)
5. Participation in at least one of the following science related activities:
 - a. One semester of peer tutoring in science (minimum of 18 hours)
 - b. Participation in science camp (minimum one week) with an accredited school, college, or university
 - c. Participation in an approved local, state, or national competition in science
 - d. Other pre-approved science related activity

Social Sciences/ Humanities

1. Overall cumulative grade point average of 3.25
2. Average of 90 or higher in all required social studies classes
3. Successful completion of at least one AP social science course (AP European History, AP US History or AP US Government) with a final course average of at least 83.00 (B)
4. Participation in at least one of the following social science related activities:
 - a. One semester of peer tutoring in social science (minimum of 18 hours)
 - b. Participation in local, state, or national social science competition or event (Great Bridge Waterways Foundation, Mayor's Youth Day, Veterans of Foreign Wars Essay contest, Mock Trial competition, Debate/Forensics, etc.)
 - c. Participation in a local, state, or national political campaign
 - d. Other pre-approved social science related activity

Arts

1. Overall cumulative grade point average of 3.25
2. Average of 90 or higher in all art courses taken (visual, choral, band, theatre)

3. Minimum of two credits in visual Art, Choral Ambassadors, or Theatre
4. Evidence of utilization of artistic ability outside of school activities via mission work, church related activities or community service opportunities.
5. Participation in at least two or more of the following art related activities
 - a. Participation in annual GCA art show
 - b. Participation as cast or crew in at least one GCA theatre arts production
 - c. Participation in a Choral Ambassadors event
 - d. Participation in regional district choir or band activities

Academic Endorsement- Transcript Evaluation Request

Student name	
Date of request for review	
Anticipated graduation date	
Desired Academic endorsement(s)	

I have/am currently completing all of the requirements for a college prep diploma.	<input type="checkbox"/> YES <input type="checkbox"/> NO
Classes missing/pending completion	
Overall cumulative grade point average (GPA for all credited classes taken)	

Content Area	Course Name	Year taken	Final grade
<input type="checkbox"/> Art <input type="checkbox"/> Bible <input type="checkbox"/> English <input type="checkbox"/> Foreign Lang <input type="checkbox"/> Math <input type="checkbox"/> Science <input type="checkbox"/> Social Studies			

Additional activities or requirements completed: *(Attach documentation/verification letter, certificate of participation, program, itinerary, etc.)*

Name of activity	Location	Date

Collegiate Academy Course Listing

BIBLE

Bible 6
Bible 7
Bible 8
Bible 9
Bible 10
Bible 11
Bible 12

BUSINESS/PROFESSIONAL ARTS

Economics/Personal Finance
Entrepreneurship - Boss Club Jr (6-8)
Entrepreneurship – Boss Club Sr (9-12)
Office/ Teacher Aide
High School Study Hall
Money Smart/Stock Market (6-8)

ENGLISH

English 6
English 7
English 8
English 9
English 10
English 11
English 12
Honors English 9
AP Seminar (10/11)
AP Research (11/12)
AP English Language and Composition (11)
AP English Literature and Composition (12)
Yearbook/Publications

FINE ARTS

Ceramics (7-8)
Exploratory Art (6-8)
Intro to Art (7-8)
Art (I-IV)
Pottery & Sculpture
Choral Ambassadors (Auditioned)
Acapella Ensemble (9-12, Auditioned)
Exploratory Theatre (6-8)
Theatre I
Actor's Craft
Advanced Acting Techniques
Theater/Directing Internship
Introduction to Speech/Debate
Textile Art (6-8)

FOREIGN LANGUAGE

Spanish 1
Spanish 2
Spanish 3
Spanish 4

HISTORY/SOCIAL SCIENCE

History 6
Civics (7)
Economics (8)
Western Civilization
World Studies
U.S. History
AP European History (10)
AP U.S. History (11)
U.S. Government
AP U.S. Government (12)
Psychology

MATHEMATICS

Math 6
Math 7
Pre-Algebra
Algebra 1
Algebra Functions/Data Analysis
Geometry
Algebra 2/Trigonometry
Math Analysis
Statistics
Quantitative Reasoning
AP Calculus AB

PHYSICAL EDUCATION/ HEALTH

Phys Ed- (6-8)
Phys Ed – 9-12
Health**

PRACTICAL ARTS

Leadership & Communication
Early Childhood Internship
Overcoming Obstacles (6-8)
Class Act (6-8)
Board Games (6-8)

SCIENCE

Life Science 7
Physical Science 8
Environmental Science
Biology
Advanced Biology
Chemistry
Physics
Honors Anatomy/Physiology
AP Biology
AP Chemistry
Exploratory Science (6-8)

Career/Tech Ed

Microsoft Applications (6-8)
Foundations of Programming*
Digital Information Technology*
Robotics (6-8)
Robotics (9-12)
Aviation 1 (9-12)
Aviation 2 (9-12)

STEP

Resource Accountability
Resource Language
Resource Math
Language Therapy
Language Therapy Transition
Language Therapy/Tutorial

This list reflects courses that may be available for students at GCA. Due to unforeseen changes in enrollment, staffing, and course availability, some classes may not be offered during the current school term. The Academy reserves the right to change or modify course offerings as is necessary.

Collegiate Academy Course Descriptions

Bible

Bible 6 (BI106)

Grade Level: 6

Elective: No

Credit: None

Prerequisites: None

Course Description: Bible 6 provides students with an overview of the entire Bible, with an emphasis on God's attributes, His history with His people, biblical characters, and what it means to know Jesus Christ and live for Him.

Bible 7 (BI107)

Grade Level: 7

Elective: No

Credit: None

Prerequisites: None

Course description: From cover to cover, the Bible is the story of God's plan to redeem sinful man through the sacrificial and substitutionary death of Jesus Christ, the Son of God. Throughout the year, the seventh grade will be studying the first three volumes of the Gospel Foundations curriculum.

Bible 8 (BI108)

Grade Level: 8

Elective: No

Credit: None

Prerequisites: None

Course description: From cover to cover, the Bible is the story of God's plan to redeem sinful man through the sacrificial and substitutionary death of Jesus Christ, the Son of God. In eighth grade we will spend the year continuing our study in the Gospel Foundations curriculum, specifically volumes 4-6.

Bible 9 (BI209)

Grade Level: 9

Course description: Old Testament Survey

This course is designed as a year-long survey of the Old Testament. The aim of this class is to equip students with a knowledge of the overarching story of the Bible, a clear theology, and skills in biblical interpretation.

Bible 10 (BI210)

Grade Level: 10

Course description: New Testament Survey

This course is designed as a year-long survey of the New Testament. The aim of this class is to equip students with a clear understanding of the Gospel, a theology & worldview

grounded in Scripture, and a proper hermeneutical approach to the varied genres of the New Testament.

Bible 11/12 (BI211)

Grade Level: 11-12

Elective: No

Credit: 1 unit

Prerequisites: None

Course description: This course is designed to study different culturally relevant topics with the goal of building a biblical worldview on each subject. During each unit the students will study what the Bible says about the topic and what the culture says about it. Students will journal their thoughts, look up Bible verses and make applications, listen to guest speakers who are knowledgeable in each area, and be encouraged to evaluate their own beliefs. Regular Scripture memorization will be used to reinforce the biblical worldview on each topic.

Business/Professional Arts

Economics and Personal Finance (ELPF001)

Grade Level: 12

Elective: No

Credit: 1 unit

Prerequisites: Co-requisite with US Government

Course description: Through this course, students will describe and demonstrate how economic forces affect consumer and producer decisions (households, businesses, trade, economic development, government institutions, and policies). Students are introduced to micro and macroeconomic concepts and theories. The course focuses on economic decision-making and financial literacy, with the emphasis placed on developing skills to analyze and evaluate personal and global economic choices. Students continue to develop a reasoned commitment to the principles and beliefs contained in the Constitution and Bill of Rights and to apply these to economic situations. Students are encouraged to be educated fiscal citizens, and to analyze the impact of economic decisions and their consequences.

Office/ Teacher Aide (ELTA001)

Grade Level: 11, 12

Elective: Yes

Credit: None

Prerequisites: By application and administrative approval

Course description: Students selected to serve as aides to a faculty member or office cooperate with the supervising adult to assist in the administration of common tasks in the office or classroom setting.

Additional info: Students entrusted in these roles are expected to comply with assignments as instructed and are evaluated quarterly in the areas of punctuality and attendance, cooperation, attitude, ability to work under authority, diligence/time utilization, and initiative. The privilege of serving in this capacity may be revoked if

warranted. Per school policy, the grade awarded for aide positions is not used in the calculation of the student's overall grade point average.

Study Hall (ELSH)

Grade Level: 6-12

Elective: Yes

Credit: None

Prerequisites: None

Course description: Study Hall is designed to allow students to accomplish assignments during the school day under the supervision of an assigned teacher. Preference is given to those students who may need additional work time or who, because of a heavy course load, have additional homework to complete.

Entrepreneurship – Boss Club (BOSS-J, BOSS-C)

Grade Level: 6-8

Grade Level: 9-12

Elective: Yes

Credit: No (6-8) Yes (9-12)

Prerequisites: None

Course Description: This curriculum is designed to teach students the basics of entrepreneurship through actually creating a small business over the course of a semester. Not only will students learn the basics of starting a small business, students will also learn what the Bible says about financial stewardship, business ethics, and the Christian view of work.

English

English 6 (EN106)

Grade Level: 6

Elective: No

Credit: None

Prerequisites: None

Course Description: The sixth grade English course encourages students to communicate clearly and effectively by being proficient in learning and understanding different words, sentences, and essays. By studying different literature and writing genres, and examining different types of grammar mechanics, students will learn to effectively communicate to fulfill God's purpose. Grammatical studies include the eight parts of speech, capitalization, punctuation, parts of a sentence, and editing. Students will write various essays including expository, persuasive and compare contrast and incorporate the essential elements of writing in each. The value of thinking is supported through the writing and research process. This course will also help students grow in their independent reading skills by reading a set number of pages each grading period. During the study of numerous literature selections, students will analyze and discuss literary elements and will practice higher level thinking as they infer from the text and apply biblical integration of the text to their own lives.

English 7 (EN107)**Grade Level:** 7**Elective:** No**Credit:** None**Prerequisites:** English 6

Course description: The seventh grade English course challenges students to effectively communicate God's love to others through writing and speaking. It is also designed to help students acquire independent reading strategies. Through the literature presented, the students come to understand that God's values, standards, and life principles are evident in good literature. This course is also designed to help students acquire independent reading skills by reading a set number of pages each grading period. Reading is completed during class time and at home. Grammar, and writing are also incorporated into the course. Grammatical studies will include all eight parts of speech, capitalization, parts of the sentence, and punctuation. By writing analytical essays and class discussions, students analyze literature from a writer's perspective for the varied text structures and creative use of language, and then use the literature selections as a model for their own writing. The value of thinking is supported through the writing and research process.

English 8 (EN108)**Grade Level:** 8**Elective:** No**Credit:** None**Prerequisites:** English 7

Course description: The eighth grade English course challenges students to effectively communicate God's love to others through writing and speaking. It is also designed to help student acquire independent reading strategies through classroom reading and at home reading. Through the literature presented, the students come to understand that God's values, standards, and life principles are evident in good literature. The course encourages student to read a wide variety of high literary quality materials through novels, poetry, short stories, essays, and plays. Students analyze literature from a writer's perspective for the varied text structures and creative use of language, and then use the literature selections as a model for their own writing. Grammar instruction includes parts of the sentence, phrases, clauses, capitalization, and punctuation. Students also begin a vocabulary curriculum that helps prepare them for the SAT. The writing process develops the students' critical thinking skills as they generate ideas, plan, and organize their work, create drafts, reflect on their efforts, and make decisions regarding revisions.

English 9 (EN209) * Honors available for weighted credit**Grade Level:** 9**Elective:** No**Credit:** 1 unit**Prerequisites:** English 8

Course description: English 9 challenges students to communicate God's love to others via effective writing. It is also designed to help students acquire critical thinking skills through the analysis of literature. Students come to understand that God's values, standards, and life principles apply to people everywhere and are evident in good literature. Students continue to read independently as well as during class time. The literature covered in the course begins with Creation and continues to the Reformation. Grammar instruction

continues as students master the parts of the sentence, phrases, clauses, capitalization, and punctuation. The vocabulary curriculum is designed to help students prepare for the SAT. Writing instruction teaches the students to organize their work, create drafts, and make decisions regarding revision. The appropriate approach to research is emphasized through the development of a formal research paper.

English 10 (EN210)

Grade Level: 10

Elective: No

Credit: 1 unit

Prerequisites: English 9

Course description: The tenth grade English course challenges students to trace literary worldviews by studying literature from the Reformation to the Enlightenment. Students respond to literature through oral discussion and through analytical writing. This course is also designed to help students acquire critical thinking skills through the literature they read. Students come to understand that God's values, standards, and life principles apply to people everywhere and are evident in good literature. Students analyze literature from a writer's perspective for the varied text structures and creative use of language, and then use the literature as a model for their own writing. The development of critical thinking is supported through the writing process as students generate ideas, plan, and organize their work, create drafts, reflect on their efforts, and make decisions regarding revision. Students are required to develop two research papers. A vocabulary program focusing on commonly found SAT words rounds out the sophomore year program.

English 11 (EN211)

Grade Level: 11

Elective: No (EAP211/AP English Language may be substituted for qualified students)

Credit: 1 unit

Prerequisites: English 9 and 10

Course description: The eleventh grade English course continues to challenge students to trace literary worldviews from colonial settlement through the racial conflicts of the twentieth century. Students will respond to literature through oral discussion and analytical writing. The program is also designed to help students acquire critical thinking skills through the literature they read. Students come to understand that God's values, standards, and life principles apply to people everywhere and are evident in good literature. This course encourages students to read a wide variety of high literary quality materials: novels, poetry, short stories, and essays. Students analyze literature from a writer's perspective for the varied text structures and creative use of language. The development of thinking is supported through the writing process as students generate ideas, plan and organize their work, create drafts, reflect on their efforts, and make decisions regarding revision. The conventions of writing such as grammar, usage, and mechanics are connected to the proofreading stage of the writing process. Students construct a research paper in collaboration with their United States History course. A vocabulary program focusing on commonly found SAT words rounds out the junior year program. Additionally, students complete a "mini online course" examining the definitions, examples, and issues of plagiarism.

English 12 (EN212)

Grade Level: 12

Elective: No (EAP212/ AP English Literature or dual enrollment college courses may be substituted for qualified students)

Credit: 1 unit

Prerequisites: English 10, 11

Course description: English 12 is a college preparatory course which incorporates the literary worldview of Naturalism, Realism, and Existentialism. Students respond to the literature using Scripture. Discussion, student presentation, and analytical writing are used in the course. Students read inside and outside of the classroom on a regular basis. Students in English 12 review the grammar concepts that have been presented in previous English courses and apply those concepts to in-class essays and journal entries. Students are presented with twenty new vocabulary words every two weeks and are expected to use the new words in various written and oral assignments to reinforce the importance of a diverse, applicable vocabulary. English 12 students complete a research paper, which defines and applies their worldview as a component of the cumulative Worldview Panel project required for all seniors. Critical thought is encouraged at every stage of the paper's development: analysis, research, organization, drafting, reflection, revision, and publication.

Advanced Placement Seminar (APSEM)

Grade Level: 10 or 11

Elective: No/ either English 10 or AP Seminar is required.

Credit: 1 unit (weighted by 1.0 quality points)

Prerequisites: English 9 or Honors English 9

Course Description: Develop and practice the skills in research, collaboration, and communication that you'll need in any academic discipline. You'll investigate topics in a variety of subject areas, write research-based essays, and design and give presentations both individually and as part of a team.

Advanced Placement Research (APRES)

Grade Level: 11 or 12

Elective: yes

Credit: 1 unit (weighted by 1.0 quality points)

Prerequisites: AP Seminar

Course Description: Build on what is learned in AP Seminar to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students will design, plan, and conduct a year-long research-based investigation to address a research question.

Advanced Placement English Language and Composition (EAP211)

Grade Level: 11 or 12

Elective: Yes

Credit: 1 unit (weighted by 1.0 quality points)

Prerequisites: English 9, English 10, Application/Faculty approval, other criteria apply

Course description: AP English Language and Composition is a college level course offered to juniors (or seniors) who have shown great achievement in their previous high school English courses. In May, the students take the AP English Language and Composition exam

which may enable them to receive college credit for English. This course enables students to use their knowledge of rhetoric to analyze a variety of nonfiction materials. The students also apply the rhetorical devices to their own writings. Students in this course also read a variety of high-quality literary materials by American authors including novels, short stories, poetry, and essays. Students can apply their knowledge of worldviews to the selections read and to realize God's hand in the development of America. Students respond to their reading in essays throughout the school year. Proper grammar, usage, and mechanics of written English are incorporated into the writing and proofreading stages of the process. A comprehensive vocabulary program is incorporated into the course. Twenty new vocabulary words are presented every two weeks. This vocabulary program stresses the importance of using new vocabulary in various written and oral assignments. Additionally, students complete a "mini online course" examining the definitions, examples, and issues of plagiarism.

Additional info: Application for AP English Language & Composition is made in the spring of the student's sophomore year (Summer transfer students will be considered upon admission). Students are granted admission to the course based upon their application, proven desire to undertake the course requirements, previous grades in English, and recommendation from other instructors. Please note that students who are selected for AP may not drop the course after they are officially placed on the roster. Preparatory work is required during the summer before the course begins and is considered integral to the successful beginning of the class. **Stringent attendance** expectations are explained in the application materials and enforced regarding the course.

Additional fees: \$200 AP Fee, and cost of additional books that become part of the student's personal library and some supplemental materials used in the course. Additional information is made available to students in the application materials.

Advanced Placement English Literature and Composition (EAP212)

Grade Level: 12

Elective: Yes

Credit: 1 unit (weighted by 1.0 quality points)

Prerequisites: English 10, English 11, Application/Faculty approval, other criteria apply

Course description: AP English is a college preparatory class designed for students who have shown exceptional achievement in the previous English classes. In this course students analyze and respond to a variety of writings of world authors. Students are required to read inside and outside of class on a regular basis. These writings, plays, short stories, poems, novels, and essays, reflect the dominant worldviews in literature. Students use their knowledge of a biblical worldview in their analyses of the literature. Writing is an integral part of the course. Students are required to complete at least one essay each week together with various writing assignments that coincide with the literature that is being read. Students are presented with twenty new vocabulary words every two weeks and are expected to use the new words in various written and oral assignments to reinforce the importance of a diverse, applicable vocabulary. AP English Literature students complete a research paper, which defines and applies their worldview as a component of the cumulative Worldview Panel project required for all seniors. Critical thought is encouraged at every stage of the paper's development: analysis, research, organization, drafting, reflection, revision, and publication. In early May, the students take the AP English exam, which may enable them to receive college credit in English.

Additional info: Application for AP English is made in the spring of the student's junior year. (Summer transfer students will be considered upon admission). Students are granted admission to the course based upon their application, proven desire to undertake the course requirements, previous grades in English and Bible, and recommendation from other instructors. Please note that students who are selected for AP may not drop the course after they are officially placed on the roster. Preparatory work is required during the summer before the course begins and is considered integral to the successful beginning of the class. **Stringent attendance** expectations are explained in the application materials and enforced regarding the course.

Additional fees: \$200 AP Fee and cost of additional books which become part of the students' personal library and some supplemental materials. Specific information is included in the application materials for the course.

Yearbook/ Publications (ELPU001)

Grade Level: 8-12

Elective: Yes

Credit: 1 unit

Prerequisites: Application to Yearbook sponsor and a history of successful accomplishment in English classes. Proven ability to meet deadlines and manage time and workloads independently.

Course description: Yearbook is a year-long course designed to introduce the fundamentals of scholastic journalism. The contents of yearbooks, different copy writing formats, copy-editing, proofreading, and beginning photojournalism techniques will be studied. Students in the Yearbook course are the central producers of two Greenbrier yearbooks, one for both the lower and upper schools.

Additional info: Students interested in serving on the Parchments staff should contact the Yearbook sponsor to obtain answers to specific questions and to get additional information. Some highly recommended students may be invited to apply.

Fine Arts

Ceramics (ELARCER1)

Grade Level: 7-8

Elective: Yes

Credit: None

Prerequisites: None

Course description: Ceramics is a 1-semester course that serves as an introduction to the basic skills and processes of working with clay. The focus is primarily on hand building techniques using three methods: pinch, coil, and slab. Students will employ effective slip and score technique, reinforce clay structures, learn to control pressure application, maintain/determine/adjust various moisture conditions, glaze application, work with various moisture content. A student will strengthen their responsibilities, hand dexterity, creativity, and patience via the medium clay.

Additional fees: Students will be required to purchase additional supplies.

Exploratory Art (ELAREXP)

Grade Level: 6-8

Elective: Yes

Credit: None

Prerequisites: None

Course Description: Exploratory 2D art is a semester class designed to help develop students' basic art skills in drawing, and painting. Students will be challenged daily to use creativity, self-expression, and observation while using a variety of media and techniques. Students will learn the importance of art and that God is our original creative artist, "In the beginning God created the Heavens and the Earth" Genesis 1:1. Students will realize God has blessed each of them with different artistic gifts and abilities and with time, practice, and hard work, they will learn to use and strengthen these God given gifts.

Additional fees: Students will be required to purchase additional supplies.

JRC Intro to Art (ELARINTRO)

Grade Level: 7-8

Elective: Yes

Credit: none

Prerequisites: Exploratory Art

Course Description: Intro to art is a class designed for students who have already taken Exploratory art and want to be more prepared for the Collegiate level of art I. This class will be an in-depth study of the Elements of art and design with a focus on Drawing and painting.

Additional fees: Students will be required to purchase additional supplies.

Art I-IV (ELAR101, ELAR102, ELAR103, ELAR104)

Grade Level: 9-12,

Elective: Yes

Credit: 1 unit

Prerequisites: None

Course description:

Art I

The elements and principles of design are explored as a form of communication and expression. Students will apply design ideas while creating original artwork. The emphasis will be on; line, form, space, shape, texture, and color, their variations and how they relate. Students will also learn to think about the visual arts from a combined personal, historic, and cultural point of view. This course is a prerequisite for all other art classes.

Art II

Art II explores a variety of basic techniques and materials with emphasis on individual expression. Students will explore historic and contemporary models of drawing and painting. By creating original artwork, they will build upon the design ideas introduced in Art I.

Art III

Art III offers students the opportunity to build on techniques learned in introductory art classes. A variety of media will be used to explore advanced techniques and develop individual portfolios. This class is recommended for students who are serious about

pursuing a career in art after high school as well as students who enjoy drawing and wish to develop their techniques and ideas.

Art IV

Art IV is designed to allow the experienced and serious art student to investigate specific areas of art in depth. Students will choose from a variety of art areas from self-directed and designed art experiences. Students who elect to take this course should be self-motivated and self-directed as well as cooperative, responsible art students. This course is especially directed toward those preparing portfolios focused on the use of mark-making, line, surface, space, light and shade, and composition. Students should consider marks that can be used to make drawings, the arrangement of marks, the materials and processes used to make marks, and relationships of marks and ideas. Critiques, written analyses, artist statements and completion of an art portfolio will be required.

Additional fees: Students are required to purchase the student art kit (sketchbook and paintbrushes) and matte board for displaying their work during the annual art show. Note that parents may wish to have student artwork framed or otherwise preserved at their own expense.

Collegiate Ceramics I-III (ELAR201, ELAR202, ELAR203)

Grade Level: 9-12

Elective: Yes

Credit: 1 unit

Prerequisites: None

Course description:

Ceramics 1: Beginning Ceramics 1 is all about learning about the basic principles of art through experiential learning through the media of clay. Students will explore a variety of ceramic construction methods that include basic pottery skills and hand-building methods. This course introduces students to the four basic methods of hand-building clay construction – coil, slab, drape, and pinch pot. Students will employ effective slip and score technique, reinforce clay structures, learn to control pressure application, maintain/determine/adjust various moisture conditions, glaze application, work with various clay bodies and their stages of moisture content. Students will be able to utilize, identify and name ceramic tools/clay bodies/construction techniques. Lastly, students will become familiar with ceramic terminology, the firing process and the design process and implementation. A student will be able to identify various levels of and employ good craftsmanship. A student will strengthen their responsibilities, hand dexterity, creativity, and patience via the medium clay.

Ceramics 2: Advanced

Advanced Ceramics expands on the ideas and skills gained in Beginning Ceramics. As in other art courses, studio work will develop and reinforce student understandings of the elements and principles of art, which is an integral part of a strong portfolio. Students are encouraged to develop creative thinking and personal expression as well as skills, techniques and understanding needed to create quality work. Students will explore and expand on a variety of ceramic techniques, including more complex hand-building, sculptural ceramics, and a variety of wheel-throwing. Student's interest in the subject strongly influences the curriculum.

Prerequisite: Ceramics I: Student must have maintained at least a 90 average in Ceramics I to take this course.

Ceramics 3: Sculpture

Sculpture is a studio experience designed to broaden the student's concept of art media and creativity. Sculpture is recommended for the art student who is serious about pursuing art in college and beyond. A wide range of less familiar materials and techniques will be explored and utilized in the sculpture processes to encourage creative problem solving. Emphasis is placed on individual idea development and inventive use of media. As in other art courses, studio work will develop and reinforce student understandings of the elements and principles of art and design, which is an integral part of a strong portfolio. There is an emphasis on developing creative thinking and personal expression as well as skills, techniques and understanding needed to create quality work.

Prerequisite: A maintained 90 averages in both Ceramics 1 & Ceramics 2

Additional fees: Students may be asked to bring class supplies to use for various projects.

Choral Ambassadors (ELCH002)

Grade Level: 8-12 auditioned

Elective: Yes

Credit: 0.5 units

Prerequisites: Audition and faculty references

Course description: Membership in the Choral Ambassadors is offered to auditioned students who have the desire to participate in various musical presentations with an emphasis towards missions and sharing the gospel through song and testimony. The instructional emphasis is on individual vocal development, music reading skills, four part-singing, and correct vocal production. Students are encouraged to audition for All-District Chorus. The Choral Ambassadors participate in the various concerts, graduation, church concerts, and chapels throughout the school year.

Additional info: Students interested in securing an audition for Choral Ambassadors should contact the Choir Director for the answers to specific questions and additional information.

A Capella Ensemble (ELCH003)

Grade Level: 9-12 Auditioned

Elective: Yes

Credit: 1 unit

Prerequisites: None

Course Description: The GCA A Cappella Group (to be named) is a 9th-12th grade audition only 8–10-person ensemble which focuses on contemporary, pop, musical theatre, and Christian a cappella arrangements.

Exploratory Theatre 1 (ELTHEXP)

Grade Level: 6-8

Elective: Yes

Credit: None

Prerequisites: None

Course description: Students will participate in activities and exercises intended to introduce them to various aspects of the world of theatre arts. These may include improvisation, theatre games, open scenes, script analysis, performance techniques, and behind the scenes production. Students may participate in one or more Fine Arts department productions throughout the term.

Theatre 1 (ELTH001)

Grade Level: 9-12, 8th grade with permission of the instructor

Elective: Yes

Credit: 1 unit

Prerequisites: None

Course description: This introductory course provides a foundational understanding of theatre arts. Students will be introduced to a broad spectrum of theatrical activity and opinions through the study of various genres and styles of plays, as well as other components that comprise a theatre event including acting, directing, design, costuming, lighting, and playwriting. Through a variety of cooperative and individual projects, the student will be challenged to not only apply an understanding of the course principles, but also formulate a philosophy of theatre's purpose and parameters based upon biblically based core beliefs and values.

Actor's Craft (ELTH002)

Grade Level: 9-12, 8th grade with permission of the instructor

Elective: Yes

Credit: 1 unit

Prerequisites: Theater 1 (or comparable)

Course description: A concentrated study on the basics of acting. Students will be introduced to and develop acting techniques that focus on concentration characterization, stage movement, voice and body control, motivation, and interaction with others through various theatrical exercises, improvisations, and scenic studies.

Advanced Acting Techniques (ELTH003)

Grade Level: 10-12, contingent on completion of prerequisites

Elective: Yes

Credit: 1 unit

Prerequisites: Theater 1 and Actor's Craft (or comparable)

Course description: Students will take an in-depth look into the art of acting. The course will include monologue prep, scene work, audition techniques, musical theatre, and the study of various other acting techniques and styles (Meisner, Stanislavski, Adler, etc.) Students in this class are required to audition for at least one production during the school year and will be involved in each department production in some way.

Theatre/Directing Internship (ELTH004)

Grade Level: 10-12, contingent on completion of prerequisites

Elective: Yes

Credit: 1 unit

Prerequisites: Theater 1, Actor's Craft, Advanced Acting Techniques (or comparable)

Course description: The Theatre Internship provides the opportunity for the advanced theater student to learn about "other" aspects of theater production, incorporating such topics as how to select a play, casting, blocking, creating stage pictures, concept creation, coaching and directing of actors, etc. Additionally, students will be exposed to the "business" of theater and the costs and preparatory tasks for putting on a show. Students in this internship will work with the instructor to direct their own one act play, including the application for production rights and creation of a budget for production. Students will be

named as a student director for at least one Theater Arts mainstage production during the school year.

Additional information: Application and personal interview with course instructor required.

Speech/Debate (ELSP001)

Grade Level: 9-12

Elective: Yes

Credit: 1 unit

Prerequisites: None

Course description: Speech is an introductory Communication Arts course. This course challenges the student to effectively communicate God's love to others via interpersonal and group communication. The student will learn that the model for true communication was established by God in the garden prior to the fall of man; however, due to sin, the student is now confronted with overcoming the breakdown of communication within a variety of communication situations. Designed not only to educate the student about the communication process, this course challenges the student to better his/her communication skills – through a variety of in-class, assigned speeches. Students will gain proficiencies from this course to prepare for communicating in future endeavors. Emphasis is placed on poise, confidence, and articulate speaking skills.

Textile Art (ELTEXT)

Grade Level: 6-8

Elective: Yes

Credit: None

Prerequisites: None

Course Description: Students will learn various techniques in constructing functional and decorative objects, both 2D and 3D, including but not limited to a variety of material, felt, yarn, thread, beads, and found objects. Students will utilize additional mediums in some projects such as paper or paint. Historically, students will learn about different types of materials, techniques, and creative purposes within different cultures and time periods, including Biblical, Celtic, African, and Hispanic.

Foreign Language

Spanish 1 (FLSP001)

Grade Level: 8-12

Elective: Yes

Credit: 1 unit

Prerequisites: None

Course description: Spanish 1 is an introductory course that focuses on learning vocabulary and grammatical principles of the Spanish language, while emphasizing conversation abilities, listening, and reading comprehension, and written expression. God's word says that one day "every knee will bow, and every tongue confess that He is Lord." Through the study of Spanish, students will be more equipped to engage Spanish speakers to build relationships and share the gospel of Jesus globally. To be able to communicate with others in Spanish, students will increase their working vocabulary by learning new words from text, short readings, and conversations on various everyday topics. A major grammar component includes an introduction to verb conjugations. Much of the class will be conducted in Spanish, however English may be used from time to time. Students are expected to listen, take notes, and participate in Spanish. This will help students improve their proficiency with listening comprehension, reading comprehension, writing, and speaking the language.

Spanish 2 (FLSP002)

Grade Level: 8-12

Elective: Yes

Credit: 1 unit

Prerequisites: Successful completion of Spanish 1 and demonstration of minimum cumulative competencies (present tense of all verbs-regular, irregular, stem-changing, and reflexive verbs.)

Course description: Spanish 2 is an intermediate course that builds on the learning from Spanish 1. This course focuses on learning vocabulary and grammatical principles while emphasizing conversation abilities, listening, and reading comprehension, and written expression. God's word says that one day "every knee will bow, and every tongue confess that He is Lord." Through the study of the Spanish language and the ability to build relationships and share the gospel of Jesus globally. Students increase their working vocabulary by learning new words from texts, short readings, and conversation. A major grammar component includes learning the two past tenses (preterit and imperfect.) Mastery of past tenses will aid the students in the ability to share what has happened and how God has worked in their lives. One of the projects in this course includes sharing the gospel in Spanish using a multi-colored "salvation" bracelet. The majority of the class will be conducted in Spanish; however, English may be used from time to time. Students are expected to listen, take notes, and participate by speaking Spanish. This will help students improve their proficiency with listening comprehension, reading comprehension, writing, and fluency.

Spanish 3 (FLSP003)

Grade Level: 9-12

Elective: Yes

Credit: 1 unit

Prerequisites: Successful completion of Spanish 2 and demonstration of minimum cumulative competencies. (These include present, preterit, imperfect tenses. Students should also be able to issue commands in Spanish and use various types of pronouns correctly.)

Course description: Spanish 3 is an intermediate course that focuses on a review of grammatical principles from Spanish 1 and Spanish 2 while emphasizing conversational abilities, listening, and reading comprehension, and written expression. God's word says that one day "every knee will bow, and every tongue confess that He is Lord." By developing the ability to communicate in Spanish, students will be more equipped to engage Spanish speakers, to build relationships, and to share the gospel of Jesus globally. Students increase their vocabulary by learning new words from texts, short readings, and conversation on various everyday topics. Students will delve further into the various grammatical structures to be able to have a more thorough conversation in Spanish. They will learn and master concepts such as commands, the conditional tense, the future tense, and the various perfect tenses. They will also focus on the Subjunctive Mood and its various uses. The majority of the class will be conducted in Spanish; however English may be used from time to time to ensure comprehension of the grammatical concepts. Students are expected to listen, take notes, and participate in Spanish. This will improve the students listening, reading, written and oral proficiency in the target language.

Spanish 4 (FLSP004)

Grade Level: 10-12

Elective: Yes

Credit: 1 unit; weighted by 0.5 quality points

Prerequisites: Successful completion of Spanish 3 and demonstration of minimum cumulative competencies.

Course description: God's word says that one day "every knee will bow, and every tongue confess that He is Lord." Through the study of the Spanish language and acquiring the ability to communicate in Spanish, students will be more equipped to engage Spanish speakers to build relationships and share the gospel of Jesus globally. Spanish 4 students will focus on developing further in the four primary language skills (listening comprehension, conversational speaking proficiency, reading comprehension, and written proficiency.) An emphasis is placed on facilitating oral communication in everyday situations and on improving writing skills through a process that includes self-correction and rewriting for accuracy. Students will demonstrate their mastery of grammatical concepts covered in Spanish 1-3 by reviewing the concepts and peer-teaching. Students will further enhance their understanding of Hispanic culture through reading works of literature and researching various cultural aspects of Spanish-speaking countries and their people. Instruction is held entirely in Spanish, and students are expected to participate in Spanish. The students are also expected to facilitate group discussions in Spanish on various topics. By gaining a more in-depth knowledge of the Hispanic culture and Spanish language and becoming more comfortable with conversational Spanish, Spanish 4 students

will be more prepared to share the gospel of Jesus with those who speak Spanish in their native tongue.

History/ Social Sciences

History 6 (HI106)

Grade Level: 6

Elective: No

Credit: None

Prerequisites: None

Course Description: Sixth grade history is a review of American history from 1865 to present times. The course focuses on how these events have shaped our nation and how citizens today can learn from history.

History 7 (HI107) Civics

Grade Level: 7

Elective: No

Credit: None

Prerequisites: None

Course description: The intention of the Civics course at GCA is to introduce the workings of federal and state governments, citizenship, and historical events in the United States from a biblical world view. By developing an awareness of the lessons of the past, students will be challenged to impact their culture. Emphasis is placed on the foundation of our government to explain why the founding fathers designed the government system that we have today, the mechanisms of government and the role of the responsible citizen.

Economics (HI108E)

Grade Level: 8

Elective: No

Credit: None

Prerequisites: None

Course description: This course is designed to familiarize students with the study of scarcity and how scarcity affects our world. Learning to understand the conflict between unlimited wants and limited resources and how these affect all aspects of life.

Western Civilization (HIWC209)

Grade Level: 9

Elective: No

Credit: 1 unit

Prerequisites: None

Course description: This course introduces western civilization from the first humans to the early modern world. Topics include ancient Greece, Rome, and Christian institutions of the Middle Ages, the Renaissance, Reformation, and Religious Warfare. Students will learn the significant political, socioeconomic, and cultural developments in early western civilization upon completion of the course.

World Studies (HI210)

Grade Level: 9 or 10

Elective: No

Credit: 1 unit

Prerequisites:

Course description: World Studies is an introductory course into the recorded history of the known world from a biblical perspective. Emphasis is given to the rise, fall, and major contributions of the major kingdoms and countries. Students will be familiar with the names and impact of major influences of world history and the geographical locations of each of the major kingdoms studied.

Advanced Placement European History (HIAP210)

Grade Level: 10

Elective: No (World Studies or AP Euro History for qualified students)

Credit: 1 unit

Prerequisite: Western Civilization or World Studies

Course description: Study the cultural, economic, political, and social developments that have shaped Europe from c. 1450 to the present. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.

Psychology (ELPS01)

Grade Level: 11, 12

Elective: Yes

Credit: 1 unit

Prerequisites: None

Course description: This introductory course is a survey of the field of Psychology. Consideration is given to the biological basis of behavior, sensory and perceptual processing, learning and memory, human growth, and the development of normal and abnormal social behaviors. Emphasis is placed on the impact of a biblical versus secular worldview in the study of these issues.

United States History (HI211)

Grade Level: 11

Elective: No (HIAP211/ AP US History may be substituted for qualified students).

Credit: 1 Unit

Prerequisites: None

Course description: U.S. History is an intermediate course of study regarding the formation of the United States from its earliest settlement to the present era. Units covered include the separation from England to the establishment of a republic; the origins and adoption of the Constitution; political, economic, and intellectual development; sectional and ethnic differences; Civil War and Reconstruction, the political, economic, and military development of the U.S. from the Post-Reconstruction Era to the present. Emphasis is given to the review of historical events from a biblical perspective to determine the impact of history upon the position of the U.S. today.

Advanced Placement United States History (HIAP211)

Grade Level: 11, 12

Elective: Yes

Credit: 1 unit, weighted by 1.0 quality points

Prerequisites: Application/Faculty approval

Course description: AP U.S. History is a college-level course introducing students to the in-depth study of American history from the formation of the United States until the current era. The content is dictated by the College Board and qualifies the student to take the Advanced Placement test in U.S. History. In addition to exposing students to historical content, the course emphasizes analytical and interpretive skills in reference to primary sources (documents, maps, and data) and the ability to write and verbalize themes and ideas with clarity.

Additional info: Application for AP U.S. History is made in the spring of the sophomore or junior year for the subsequent school term. (Summer transfer students will be considered upon admission). Students are granted admission to the course based upon their application, proven desire to undertake the course requirements, previous grades in History and English, and recommendations from other instructors. Please note that students who are selected for AP may not drop the course after they are officially placed on the roster. Preparatory work is required during the summer before the course begins and is considered integral to the successful beginning of the class. **Stringent attendance** expectations are explained in the course application materials and enforced regarding the course.

Additional fees: \$200 AP Fee (includes the cost of May AP Exam), and cost of any additional books as recommended by the instructor which become part of the students' personal library. Specific information is included in the application materials for the course.

U.S. Government (HI212)

Grade Level: 12

Elective: No (HIAP212G/ AP US Government and Politics may be substituted for qualified students)

Credit: 1 unit

Prerequisites: Application/ Faculty approval

Course description: The U.S. Government course is intended as a survey of the history and inner workings of civil government. Students will evaluate and discuss the three branches of the United States Government as they seek to further their understanding of politics and law. The study of government is essential in promoting citizenship and a factual knowledge of our history as a country and a culture. Therefore, this study will integrate biblical truth and critical thinking skills to evaluate the subject area considering a Christ-centered worldview. Class time will consist of discussion, debate, group projects, lecture, evaluation, and a weekly consideration of current events.

Advanced Placement U.S. Government and Politics (HIAP212)

Grade Level: 12

Elective: Yes

Credit: 1 unit; weighted by 1.0 quality point

Prerequisites: U.S. History, Application/ Faculty approval

Course description: AP U.S. Government is a college-level course which allows the student to investigate the inner workings of our government while developing an analytical perspective of government involvement. The content is dictated by the College Board and qualifies the student to take the Advanced Placement test in U.S. Government and Politics. The study of government is essential in promoting citizenship and a factual knowledge of our history as a country and a culture. This course is designed to integrate biblical truth and critical thinking skills to evaluate the subject area considering a Christ-centered worldview. Class time will consist of discussion, debate, group projects, lecture, evaluation, and a weekly consideration of current events. Extensive practice in writing and argumentation will also be utilized as students prepare for the AP exam. In addition to exposing students to content, the course emphasizes analytical and interpretive skills in reference to primary sources (documents, maps, and data) and the ability to write and verbalize themes and ideas with clarity.

Additional info: Application for AP U.S. Government is made in the spring of the junior year for the subsequent school term. (Summer transfer students will be considered upon admission). Students are granted admission to the course based upon their application, proven desire to undertake the course requirements, previous grades in History and English, and recommendations from other instructors. Please note that students who are selected for AP may not drop the course after they are officially placed on the roster. Preparatory work is required during the summer before the course begins and is considered integral to the successful beginning of the class. **Stringent attendance** expectations are explained in the course application materials and enforced regarding the course.

Additional fees: \$200 AP Fee (includes the cost of May AP Exam), and cost of any additional books as recommended by the instructor which become part of the student's personal library. Specific information is included in the application materials for the course.

Mathematics

Math 6 (MA106)

Grade Level: 6

Elective: No

Credit: none

Prerequisites: none

Course description: Sixth grade mathematics focuses on four critical areas:

- 1) connecting ratio, rate, and percentage to whole number multiplication and division to solve problems
- 2) division of fractions and system of rational numbers
- 3) writing, interpreting, and using expressions and equations
- 4) developing understanding of statistical thinking.

Math 7 (MA107)

Grade Level: 7 or by placement

Elective: No

Credit: Required (unless bypassed by advanced placement into Pre-Algebra or Algebra 1)

Prerequisites: Successful completion of Math 6 or equivalent

Course description: Math 7 emphasizes the foundations of algebra. Topics in grade seven include proportional reasoning, integer computation, solving two-step linear equations, and recognizing different representations for relationships. Students will apply the properties of real numbers in solving equations, solve inequalities, and use data analysis techniques to make inferences, conjectures, and predictions.

Math 8/ Pre-Algebra (MAPA08)

Grade Level: 8 or by placement

Elective: No

Credit: Required

Prerequisites: Successful completion of Math 7 or equivalent.

Course description: Provides students with additional instruction and time to acquire the concepts and skills necessary for success in Algebra 1. Students will gain proficiency in computation with rational numbers and will use proportions to solve a variety of problems. New concepts include solving multistep equations and inequalities, graphing linear equations, visualizing three-dimensional shapes represented in two-dimensional drawings, and applying transformations to geometry shapes in the coordinate plane. Students will verify and apply the Pythagorean Theorem and represent relations and functions, using tables, graphs, and rules.

Algebra I (MA209) * Honors available for weighted credit

Grade Level: 8, 9 or by placement

Elective: No

Credit: 1 unit

Prerequisites: Successful completion of Math 8/ Pre-Algebra or placement based upon previous performance in mathematics and cumulative assessment of skills.

Course description: Algebra 1 has the students use the tool of algebra to represent and solve a variety of practical problems. Tables and graphs will be used to interpret algebraic expressions, equations, and inequalities and to analyze behaviors of functions.

Algebra Functions and Data Analysis (MAAFDA)* Honors available for weighted credit

Grade Level: 9 or 10

Elective: No

Credit: 1 unit

Prerequisites: Successful completion of Algebra 1

Course description: Algebra Functions and Data Analysis is a class that takes what students have learned in Algebra 1 and extended them to different applications. This class will also include content from a College Algebra course to help ensure students are prepared for college. Students who are enrolled in this course will within the context of mathematical modeling and data analysis will study functions and their behaviors, system of inequalities, probability, experimental design and implementation, and analysis of data. Data will be generated by practical applications arising from science business, and finance. Students will solve problems that require the formulation of linear, quadratic, exponential, or logarithmic equations or a system of equations.

Honors: This course is designed for those students who are academically motivated and proven to be proficient in mathematical processing. Students will have a more rigorous quicker paced class with applicational and analytical skills put to the test in line with the objectives of Algebra Functions and Data Analysis. This course will also have a project which is aligned with applying the objectives of this course to real-life problems.

Geometry (MA210)

Grade Level: 9-12

Elective: No

Credit: 1 unit

Prerequisites: Successful completion of Algebra I.

Course description: Geometry includes, among other things, properties of geometric figures, trigonometric relationships, and reasoning to justify conclusions. Methods of justification will include paragraph proofs, two-column proofs, indirect proofs, coordinate proofs, algebraic methods, and verbal arguments. A gradual development of formal proof will be encouraged. Inductive and intuitive approaches to proof as well as deductive axiomatic methods should be used.

Algebra 2/Trigonometry (MA211) * Honors available for weighted credit

Grade Level: 9-12

Elective: No

Credit: 1 unit

Prerequisites: Successful completion of Algebra I.

Course description: Algebra 2 will cover a study of functions, “families of functions”, equations, inequalities, systems of equations and inequalities, polynomials, rational and radical equations, complex numbers, and sequences and series. Emphasis will be placed on practical applications and modeling throughout the course. Oral and written communications concerning the language of algebra, logic procedures, and interpretation of results will permeate the course.

Trigonometry will cover a study of trigonometric definitions, applications, graphing, and solving trigonometric equations and inequalities. Emphasis will be placed on using connections between right triangle ratios, trigonometric functions, and circular functions. Applications and modeling will be included throughout the course along with oral and written communications concerning the language of mathematics, logic of procedure, and interpretation of results.

Math Analysis (MA-ANALYSIS)

Grade Level: 11,12

Elective: Yes

Credit: 1 unit

Prerequisites: Completion of Algebra 2/Trigonometry

Course Description: Mathematical Analysis will cover how to help students' understanding of algebraic and transcendental functions, parametric and polar equations, sequences and series, and vectors. The content will serve as an appropriate preparation for the calculus course. Graphing calculators will provide a powerful tool for solving and verifying solutions to equations and inequalities as well enhances the understanding of realistic applications through modeling and aid in the investigation of functions and their inverses.

Probability and Statistics (MA212A)

Grade Level: 10-12

Elective: Yes

Credit: 1 unit

Prerequisites: Successful completion of Algebra 2

Course description: Statistics will cover how to present basic concepts and techniques for collecting and analyzing data, drawing conclusions, and making predictions.

Quantitative Reasoning (MAQuant)

Grade level: 10-12

Elective: Yes

Credit: 1 unit

Prerequisites: Algebra II/Trigonometry

Course Description: The Quantitative Reasoning course is organized around big mathematical concepts. The course's nontraditional treatment of content will help students develop conceptual understanding by supporting them in making connections between concepts and applying previously learned material to new contexts. The course will help to prepare students for success in future courses, gain skills for the workplace, and participate as productive citizens in our society. Encourage students to do mathematics with real data. This includes recognizing the real world often has less than perfect data, ambiguities and multiple possible solutions. It also means equipping students to be intelligent consumers of quantitative data and reports. Encourage students to engage in productive struggle to learn mathematics and make connections to the world in which they live.

Advanced Placement Calculus AB (MAAP212)

Grade Level: 11, 12

Elective: Yes

Credit: 1 unit; weighted by 1.0 quality point

Prerequisites: Honors Trigonometry/ Pre-Calculus or equivalent and demonstration of mastery and proficiency with minimum competencies

Course description: AP Calculus is a rigorous mathematics equivalent to the level of mathematics typically encountered in a semester of calculus in college. The content is dictated by the College Board and qualifies the student to take the Advanced Placement test in Calculus in the spring of the school term.

Additional info: Application for AP Calculus is made in the spring for the subsequent school term. (Summer transfer students will be considered upon admission). Students are granted admission to the course based upon their application, proven desire to undertake the course requirements, and previous grades in mathematics. Please note that students who are selected for AP may not drop the course after they are officially placed on the roster. Preparatory work is required during the summer before the course begins and is considered integral to the successful beginning of the class. **Stringent attendance** expectations are explained and enforced regarding the course.

Additional fees: \$200 AP Fee (includes the cost of May AP Exam) and cost of any additional books (as recommended by the instructor) which become part of the students' personal library. Specific information is included in the application packet for the course.

Physical Education/ Health

Physical Education 6-8 (PE108B, PE108G)

Grade Level: 6-8

Elective: Yes

Credit: Non-credited elective

Prerequisites: None

Course description: PE is structured to allow students to be exposed to a wide variety of physical education activities as well as physical fitness. Emphasis is placed on the establishment of a lifestyle that includes proven concepts of wellness and fitness as well as fitness goal setting.

Physical Education (PE209B, PE209G, PE210B, PE210G)

Grade Level: 9-10

Elective: No; two credits required for graduation

Credit: 1 unit per year

Prerequisites: None

Course description: Two credits in Physical Education are required for all students graduating GCA in accordance with state requirements. Normally, these credits are taken in the 9th and 10th grades but may be taken at any time during the student's four years of high school. Students participating in two separate sports per year will earn one PE credit for their participation.

Additional info: PE uniforms are purchased from the school. Additional information will be provided by the instructor.

***Health (Health)**

Grade Level: 9-10

Elective: No, 1 credit required for graduation

Credit: 1 unit

Prerequisites: none

Course Description: The health course is an asynchronous online course. Students work with an instructor for information related to the online coursework but complete classwork and assessments on their own schedule, outside of normal class time.

Practical Arts

Leadership and Communication (ELCA001)

Grade Level: 11, 12

Elective: Yes

Credit: 1 unit

Prerequisites: None

Course description: This course is designed to provide the student with an opportunity to be an educated consumer of “communications” as well as an active participant in “leadership,” while understanding the overlap of the two. Students will survey multiple disciplines including the arts, television, film, radio, and various fields of mass communication from cave drawings to the internet. Emphasis is placed on the analysis of the messages being delivered from the various types of media. Through this analysis, the students will further learn to think critically about the message and messengers to decipher the worldview of the message and the Biblical truth of subjects being discussed. Additionally, students will focus on the nuances, habits, practices, traits, and characteristics of leaders, beginning with the study of “followship.”

Additional information: Each month there will be special guests who are known as “leaders” the community or business world welcomed to class. To prepare for the guest, students will follow the principles of matrix-management. At some time during the year, everyone will be required to carry out various roles to prepare for the guest. On the day of the visit, it is required that all male students wear coats and ties, and the ladies will wear their equivalent in appropriate apparel.

Early Childhood Center Internship (ECC01)

Grade Level: 11, 12

Elective: Yes

Credit: 1 unit

Prerequisites: None

Course description: Students enrolled in the Early Childhood Internship class will be exploring Early Childhood development and ways that adults (parents and teachers) can enhance the learning process. Through preparatory reading assignments, research, classroom observation and assisting faculty and staff, the student is exposed to the development of the preschool child in the classroom setting. The course is intended to foster the desire to care for and mentor the young in practical and spiritual ways.

Overcoming Obstacles (ELOO)

Grade Level: 6-8

Elective: Yes

Credit: No

Prerequisites: None

Course description: This semester course covers essential skills such as communicating effectively, making decisions, managing personal resources, setting goals, studying effectively, resolving conflicts and more.

Class Act (ELCLASS)**Grade Level:** 6-8**Elective:** yes**Credit:** none**Prerequisites:** none

Course Description: This semester course takes students beyond yes ma'am, and no, sir, learning how to succeed in school and beyond. Manners matter when you are texting, on social media, and talking with your friends. This class will teach how to make good first impressions, how to set a table, have good table manners and much more in a fun and interactive environment.

Board Games (EL-BG)**Grade Level:** 6-8**Elective:** yes**Credit:** none**Prerequisites:** none

Course Description: Students will increase critical thinking skills, communication skills, and deductive reasoning skills through board games.

Science

Science 6 (SC106)

Grade Level: 6

Elective: No

Credit: none

Prerequisites: None

Course Description: *Science 6* reveals the incredible intricacies of cells and organisms, matter and energy, astronomy, heredity, the nervous system, and the immune system. This elementary science educational materials include exciting, but manageable science experiments and science projects.

Science 7 Life Science (SC107)

Grade Level: 7

Elective: No

Credit: No

Prerequisites: None

Course description: *Life Science* surveys the structures and functions of living things such as plants, animals, and human beings. All these concepts are unfolded as a quest to understand the life that God has created. Case studies, webquests, lab activities, ethics boxes, and questions help students think like scientists and see life science from a biblical perspective

Science 8 Physical Science (SC108)

Grade Level: 8

Elective: No

Credit: No

Prerequisites: None

Course description: This science course meets the students where they are: in the cafeteria, on the sports field, on the roads, and in the music room. Through physical science, students will learn how everything they do relates to chemistry and physics. In the chemistry chapters they will see the wonder in how matter and energy interact in the food we eat, the drinks we drink, and the matter that makes up our world. In physics chapters, they will see how things move, why things move, and why objects behave as they do.

Environmental Science (SC209)

Grade Level: 9 - 12

Elective: No

Credit: 1 unit

Prerequisites: None

Course description: Environmental Science helps shows students how Earth's systems function and how individuals influence these systems. Students will study how individuals and society create environmental problems and how these problems may be solved.

Biology (SC210)**Grade Level:** 9**Elective:** No**Credit:** 1 unit**Prerequisites:** None

Course description: Biology is the study of living systems characterized by a basic knowledge of the process of scientific thinking. Through a combination of class activities, students will examine the characteristics of “life” as created by God, with an emphasis on critical thinking, problem solving, and laboratory techniques. Students become well versed in the commonly held beliefs relative to Evolutionary philosophy with an aim toward developing the ability to discern truth based upon scripture and differentiate it from humanistic philosophy commonly presented as “scientific”.

Advanced Biology (SC210ADV)**Grade Level:** 9-10**Elective:** No**Credit:** 1 unit, weighted by 0.5 quality point**Prerequisites:** None

Course Description This course was built to prepare students for advancement in biological sciences. Most students who participate in advanced biology are preparing to move into anatomy/physiology and then advanced placement biology. The course mimics the AP biology course in units and themes and meets all SOL's for biology as determined by the VDOE. AP Biology takes the themes from Advanced Biology and develops them more fully. This course is foundational.

Chemistry (SC211)**Grade Level:** 11**Elective:** No**Credit:** 1 unit**Prerequisites:** None

Course description: Chemistry is the study of the mechanisms and processes God used in creating all matter, and the processes of chemical change that are constantly at work in our environment. This is an introduction to the specific science of Chemistry, emphasizing the structure, composition, and properties of matter. Students explore areas such as forms of energy, chemical reactions, stoichiometry, physical and chemical states, gases, acids and bases, solutions, equilibrium, and electrochemistry. The course includes extensive laboratory experiments and explorations using proper laboratory techniques, calculations, and measurements which employ the scientific method.

General Physics (SCP212)

Grade Level: 11, 12

Elective: Yes

Credit: 1 unit

Prerequisites: Successful completion of Algebra 2, Earth Science and Chemistry.

Trigonometry is helpful, but not required.

Course description: This is a comprehensive introductory course of “how the world works” as created by God, and how these mechanisms can be employed in daily life through technology. The history of the study of Physics is included (Newtonian physics) as well as modern day Physics (Einstein, nuclear reactions; Edward Teller, Fusion Reactions; Charles Townes, The Laser; Mike Griffin, Space and Astrophysics; Lawrence Livermore, High Energy atom smashers). This course covers physics as a whole but emphasizes up to date, recent advances in the field.

Human Anatomy and Physiology (SC212H)

Grade Level: 11, 12

Elective: Yes

Credit: 1 unit; weighted by 0.5 quality point

Prerequisites: Successful completion of Biology with a grade of “B” or higher and completion or concurrent enrollment in Chemistry.

Course description: The Human Anatomy and Physiology course at GCA focuses on the structure and function of the human body, a singularly unique organism created by God and in His image. As humans are the pinnacle of God’s hierarchy of living things, and are supernaturally designed for life on earth, the course examines the perfection of design that is demonstrated when the body is functioning properly. During the course, major structure and systems of the body are studied with an emphasis on normal health and functioning, diseased states, and variations in health.

Additional info: Students are required to purchase the textbook and associated laboratory manual. These become the property of the student and serve as additions to the student’s personal library.

Advanced Placement Biology (SCAP212B)

Grade Level: 12

Elective: Yes

Credit: 1 unit; weighted by 1.0 quality points

Prerequisites: Successful completion of Biology and Chemistry with a “B” or higher. Successful completion of Human Anatomy and Physiology highly recommended.

Course description: AP Biology is the equivalent of a college entry-level course, the content of which is dictated by the College Board and qualifies the student to take the Advanced Placement test in Biology. Primary themes of biological study are dealt with in depth using various methodologies of instruction, the specifics of which are detailed in the course syllabus. Successful application of laboratory experimentation techniques is a core expectation of the course. Because Evolution is a primary theme in the secular study of the biological sciences, it is discussed in detail with an aim toward establishing a working knowledge of this information and belief system. Students are challenged intellectually to examine and think critically about these concepts as these ideas formulate the foundation for postmodernism and common “scientific” theory. Moreover, students are challenged

personally to contrast these ideas with the facts of Creation as the origin of life and to develop discernment and logic to refute the theories of Evolution. This provides an excellent opportunity for students to culture their belief in Scripture and to defend it within a supportive environment before defending it against secular worldview in future settings.

Additional info: Application for AP Biology is made in the spring of the junior year for the subsequent school term. (Summer transfer students will be considered upon admission). Students are granted admission to the course based upon their application, proven desire to undertake the course requirements, previous grades in Science and English, and recommendations from other instructors. Preparatory work is required during the summer before the course begins and is considered integral to the successful beginning of the class. **Stringent attendance** expectations are explained in the course application materials and are enforced regarding the course.

Additional fees: \$200 AP Fee (includes cost of May AP Exam) and cost of the textbooks which become part of the students' personal library. Specific information is included in the application materials for the course.

Advanced Placement Chemistry (SCAP212C)

Grade Level: 12

Elective: Yes

Credit: 1 unit; weighted by 1.0 quality point

Prerequisites: Successful completion of Biology and Chemistry with a grade of "B" or higher. Successful completion of Algebra 1 and Algebra 2 recommended.

Course description: AP Chemistry is a two-semester, elective course in advanced chemistry for students who have done exceptionally well in general Chemistry. The course is designed to be the equivalent of a general chemistry course usually taken during the first year of college. The course content is dictated by the College Board and qualifies the student to take the Advanced Placement test in Chemistry. Deeper conceptual understandings in the organization of chemistry, chemical structure, equations, reactions, equilibrium, acid/base properties, and electrochemistry are investigated. These principles are developed through lecture and discussion and are reinforced with laboratory work. An emphasis is placed on mathematical computations to describe chemical processes.

Additional info: Application for AP Chemistry is made in the spring of the junior year for the subsequent school term (Summer transfer students will be considered upon admission to the Academy.) Students are granted admission to the course based upon their application, proven desire to undertake the course requirements, previous grades in Science and Mathematics, and recommendations from other instructors. Preparatory work is required during the summer before the course begins and is considered integral to the successful beginning of the class. **Stringent attendance** expectations are explained in the course application materials and are enforced regarding the course.

Additional fees: \$200 AP Fee (includes cost of May AP Exam) and cost of the textbooks which become part of the students' personal library. Specific information is included in the application materials for the course.

Exploratory Science (SCEXP)**Grade Level:** 7-8**Elective:** Yes**Credit:** none**Prerequisites:** none

Course description: Separating truth from fiction can be a real challenge. Students will strive to discover truth as we explore, research, and investigate a variety of scientific claims and urban legends. Inspired by the hit TV show “MythBusters,” students will problem-solve, collaborate, analyze data, and formulate conclusions as they make new discoveries.

Career/Tech Ed**Microsoft Applications (Microsoft)****Grade Level:** 6-8**Elective:** No**Credit:** none**Prerequisites:** none

Course Description: This course provides an overview of some of the Microsoft applications in the Office suite: Word, Excel, and PowerPoint. The course also incorporates Google applications. The goal is for the students to be able to use each of these applications proficiently throughout their education careers.

Foundations of Programming (ELProg)*Grade Level:** 9-12**Elective:** Yes**Credit:** one unit**Prerequisites:** Digital Information Technology

Course description: This virtual course teaches students the skills required to be competitive in today’s high-tech workforce. Foundations of programming teaches them the fundamentals of programming using the computer language Python. The course provides students with the concepts, techniques, and processes associated with computer programming and software development. They also explore the many programming career opportunities available in this high-demand field.

Digital Information Technology (ELDIG)*Grade Level:** 9-12**Elective:** Yes**Credit:** one unit**Prerequisites:** none

Course Description: This virtual course provides students with the foundational skills needed for exciting careers like game development, military defense, web design, and software engineering. Students explore Microsoft Office online applications, web design, emerging technologies, operating systems, project management, communications methods, information technology careers, and much more while recognizing the value of these to the practice of biblical stewardship.

Robotics (Rob)**Grade Level: 6-8****Elective: Yes****Credit: none****Prerequisites: none**

Course Description: Robotics is not only the future, but also the present. By familiarizing students with programming, sensors, and automation, they hone critical computational thinking skills needed to succeed in both the 21st century's workforce and in everyday life. Students in this course use the VEX IQ robotic program to study the engineering process, coding, and build competition skills.

Robotics (ROB HS)**Grade Level: 9-12****Elective: Yes****Credit: one unit****Prerequisites: none**

Course Description: Robotics is not only the future, but also the present. By familiarizing students with programming, sensors, and automation, they hone critical computational thinking skills needed to succeed in both the 21st century's workforce and in everyday life. Students in this course use the VEX EXP and VEX V5 robotic programs to study the engineering process, coding, and build competition skills.

Aviation 1 (Avia101)**Grade Level: 9-12****Elective: yes****Credit: one unit****Prerequisites: none**

Course Description: Semester 1: Launching into Aviation - This course provides the foundation for advanced exploration in flying, aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will look at the problem-solving practices and innovative leaps that transformed space exploration from the unimaginable to the common in a single generation. Students will also gain a historical perspective, from the earliest flying machines to various modern aircraft.

Semester 2: Exploring Aviation and Aerospace -This core aerospace and aviation course provides students with a clear understanding of career opportunities (both civilian and military) in aviation and aerospace and the critical issues affecting the industry. Students will explore modern innovations and develop their own innovative ideas to address real-world challenges facing the aviation industry. Students will observe real-world aviation operations in action via our local airports, air-traffic control facilities, and military bases.

Aviation 2 (Avia 201)**Grade Level:** 9-12**Elective:** yes**Credit:** one unit**Prerequisites:** none

Course Description: Semester 1: Introduction to Flight - Students will explore many of the different types of aircraft in use today, specifically learning how they are made and how they fly. Students will study aircraft design and construction techniques, aircraft categorization, aerodynamic stability, aircraft controls, and flight characteristics. Additionally, students will focus on career skills related to these topics.

Semester 2: Aircraft Systems and Performance - Students will examine operating systems which make crewed and un-crewed aircraft work, including powerplants, fuel systems, electrical, pitot-static, and vacuum systems. Throughout the course, they will learn about the flight instruments associated with each system and how to identify and troubleshoot common problems.

STEP Center (Successful Techniques for Educational Progress)**Resource Accountability (RESACC)****Grade Level:** 6-12**Elective:** Yes**Credit:** No**Prerequisites:** None

Course description: Accountability is a monitored, daily study meeting with a faculty member intended to assist students with organization, completing assignments, and preparation for tests and quizzes. The student to teacher ratio is one to three for this session.

Additional info: Contact the STEP Center Director for additional information and contract materials.

Additional fee: Accountability is contracted through the STEP center on a space available basis. Please refer to the annual Fee Schedule for the current cost of this course.

Resource Instruction – Math/English (RESMA*, RESENG*) *grade level**Grade Level:** 6-12**Elective:** Yes**Credit:** Yes

Prerequisites: Educational evaluation indicative of student need.

Course description: Resource instruction is offered for Collegiate Academy students based upon student need and staff availability. These self-contained classes are designed for students who may find it difficult to keep the pace of the regular classroom. Each class is limited to six students. Enrollment is contracted for a full school year.

Additional info: Resource classes are contracted through the STEP center on a space/resource available basis. Contact the STEP Center Director for additional information and contract materials.

Additional fee: Please refer to the annual Fee Schedule for the current cost of this program.

Language Therapy (Language Science I, II, III) (RESLTH)

Grade Level: 7-12

Elective: Yes

Credit: 1.0 (per year of study)

Prerequisites: Diagnosed language deficit

Course description: Language deficits are addressed by a certified academic language therapist using the Orton-Gillingham approach to therapy, which emphasizes phonetic, sequential, and multi-sensory instruction. Students meet daily for individualized sessions of approximately forty-five minutes. Therapy is individualized to secure and master concepts of the alphabet, written and verbal expression, fluency, listening, sequence, accuracy, reading, vocabulary, and spelling.

Additional info: Language Therapy services are contracted through the STEP center on a space/resource available basis. Contact the STEP Center Director for additional information and contract materials.

Additional fee: Please refer to the annual Fee Schedule for the current cost of this program.

Language Therapy Transition (RESLTT)

Grade Level: 7-12

Elective: Yes

Credit: 0.5 credits

Prerequisites: Previous language therapy (minimum 3 years)

Course description: Language Therapy Transition is a capstone course intended to provide additional academic guidance and techniques for the application of previously learned language therapy skills. Students who have completed three or more years of language therapy meet in classes of up to four students (one therapist) to transition out of individualized study.

Additional info: Language Therapy services are contracted through the STEP center on a space/resource available basis. Contact the STEP Center Director for additional information and contract materials.

Additional fee: Please refer to the annual Fee Schedule for the current cost of this program.

Language Therapy Tutorial (RESLTT2)

Grade Level: 7-12

Elective: Yes

Credit: No

Prerequisites: Diagnosed language deficit

Course description: This course blends tutoring and study skills together while addressing weak performance with language skills (comprehension, composition, problem-solving skills). Techniques and means of application are modeled in a therapist: student ratio of 1:4.

Additional info: Language Therapy services are contracted through the STEP center on a space/resource available basis. Contact the STEP Center Director for additional information and contract materials

Additional fee: Please refer to the annual Fee Schedule for the current cost of this program.

*Greenbrier Christian Academy
311 Kempsville Road
Chesapeake, Virginia 23320*

Phone: 757-547-9595

Fax: 757-547-9569

Email: info@gcagators.org

Website: www.gcagators.org

Where the Heart of Education is the Education of the Heart