

2023-2024



GROVE CITY CHRISTIAN SCHOOL

MIDDLE AND HIGH SCHOOL COURSE REQUIREMENT GUIDE

“THE MISSION OF GROVE CITY CHRISTIAN SCHOOL
IS TO PARTNER WITH BIBLE-BELIEVING FAMILIES
AND THEIR CHURCHES IN PROVIDING THE
SPIRITUAL AND ACADEMIC FOUNDATION THAT
CULTIVATES, TRANSFORMS AND PREPARES
STUDENTS TO BE CHRISTIAN LEADERS WHO
IMPACT THEIR WORLD.”

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***Course offerings at GCCS each year are determined by student interest and the availability of staff to teach each course.**

Graduation Requirements

GCCS Credits

	9th	10th	11th	12th
Bible- 4 Credits				
English- 4 Credits				
Social Studies- 3 Credits <i>Must include World History, US History, Government & Economics</i>				
Math- 4 Credits <i>Must include Algebra I, Geometry & Algebra II</i>				
Science- 3 Credits <i>Must include Physical Science, Biology & Chemistry or equivalent</i>				
Health- .5				
PE- .5 <i>Student may opt out of PE by completing 2 PE Waivers approved by GCCS</i>				
World Language- 2 <i>At least 2 credits must be in the same language</i>				
Fine Art- 1				
Other Credits- 2				
Total Credits (24) _____				

Ohio Seals

Must earn 2 of the following Seals. At least one is required to be an Ohio Seal.

Ohio Seals	Date	Score or Evidence
Ohio Means Jobs		
Industry Credential		
College Ready		
Military Enlistment		
Citizenship		
Science		
Honors Diploma		
Biliteracy		
Technology		
Local Seals	Date	Score or Evidence
Community Service		
Student Engagement		
Fine & Performing Arts		

Testing

Required State End of Course Tests	Score
Geometry	
US History	
Government	
Biology	

State End of Course Tests- 684 Required	Score
Algebra I	
English II	

If a student does not meet the 684 minimum score, they are required to see their School Counselor for additional options.

Community Service

70 Hours Required	9th	10th	11th	12th
Grade Level Requirements	10	15	20	25
Total Hours _____				

Honors Graduation Requirements

Student must meet all but one of the criteria to qualify for an Honors Diploma. Minimum graduation requirements must also be met.

Subject Area	Academic HD	STEM HD	Arts HD	Social Science & Civic Engagement HD
Math*	4 credits	5 credits	4 credits	4 credits
Science	4 credits (including 2 units of adv. science)	5 credits (including 2 units of adv. science)	3 credits	3 credits (including 1 unit of adv. science)
Social Studies	4 credits	3 credits	3 credits	5 credits
World Languages	3 credits (or 2 credits of each of 2 languages)	3 credits (or 2 credits of each of 2 languages)	3 credits (or 2 credits of each of 2 languages)	3 credits (or 2 credits of each of 2 languages)
Fine Arts	1 credit	1 credit	4 credits	1 credit
Electives		2 credits (with a focus in STEM)	2 credits (with a focus in Fine Art)	3 credits (with a focus in Social Studies)
GPA	3.5 UGPA	3.5 UGPA	3.5 UGPA	3.5 UGPA
ACT/SAT	27 ACT (composite) 1280 SAT (verbal/math)	27 ACT (composite)/ 1280 SAT (verbal/math)	27 ACT (composite)/ 1280 SAT (verbal/math)	27 ACT (composite)/ 1280 SAT (verbal/math)
Field Experience		Complete a field experience and document the experience in a portfolio specific to the student's area of focus.		
Portfolio		Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus that is reviewed and validated by external experts.		

*Math Criteria: 4 or 5 units, Algebra I, Geometry, Algebra II (or equivalent), and 1 or 2 other higher level courses

Test Scores		
ACT		
SAT		

GPA	
Unweighted	
Weighted	

Courses	Credits
Mathematics	
Science	
Social Studies	
World Language	
Electives	
Fine Arts	

Non- Course Requirements
Field Experience
Portfolio



Graduation Diploma Seals

State law created 12 diploma seals for students to demonstrate academic, technical and professional readiness for careers, college, the military or self-sustaining professions. Each seal allows students to demonstrate knowledge and skills essential for future success in their chosen post-high school paths. Students will demonstrate readiness by earning at least two diploma seals, one of which must be state defined. Seals help students develop an array of critical skills that are valuable to them as they transition to the next steps after high school.



Science (Ohio)

- Must meet ONE of the following:
 - Earn a proficient score (3 or higher) on Biology End of Course exam
 - Earn a proficient score (2 or higher) on AP exam
 - Earn a "B" or higher on qualifying science CCP course



Seal of Biliteracy (Ohio)

- Eligibility for an HS diploma
- Demonstrate English language proficiency
- Demonstrate world language proficiency



Citizenship (Ohio)

- Earn a score of proficient (3 or greater) on US History & Government End of Course tests; OR
- Earn a "B" or higher in qualifying CCP course – 3 credit hour; OR
- Can mix and match to meet the requirement but must satisfy something for American History and something for Government



Industrial-Recognized Credential (Ohio)

- Either earn a 12-point industry-recognized credential; OR
- Earn a group of credentials totaling 12 points in a single career field – as outlined by the Ohio Department of Education



Technology (Ohio)

- CCP Qualifying course – earn a B or higher in a minimum of 3 credit hour class
- Credit Flex
- Technology course here at GCCS that meets state requirements



OhioMeansJobs Readiness (Ohio)

- Demonstrate proficiency in each of the 15 identified professional skills
- Use OMJ Readiness Seal form to record demonstration of each skill
- Work with a mentor to validate each skill across two of the three environments (school, work, community)

Find out more here!



College-Ready (Ohio)

- Must meet ONE of the following:
 - ACT sub-scores: English: 18+, Reading: 22+, Math: 22+
 - SAT: ERBW: 480+, Math: 530+



Military Enlistment (Ohio)

- Show evidence of enlistment of the armed services
 - Signed copy of the Department of Defense (DD Form 4) enlistment contract; OR
- Participate in a JROTC program for at least 2 years



Honors Diploma (Ohio)

- Earned by qualifying for an Ohio Honors Diploma:
 - Academic, STEM, Arts, Civics & Social Studies



Community Service (Local)

- Complete 70 hours of community service hours required at GCCS + 10 extra
- Develop and implement "See a need, fill a need" project
- Document project in a follow-up report



Fine and Performing Arts (Local)

- Earn 100 points throughout high school
- Activities to earn points: year-long fine arts class (20 points); other activities are 5 points each: participate in OMEA Solo & Ensemble; ACSI Art Festival; honors ensemble; band or choir officer; additional ensembles/clubs; student chosen/created community activity or project; theater production; band, choir, or art mentorship program; and preparing for a college audition or preparing an art portfolio (10 points)



Student Engagement (Local)

- Earn 100 points throughout high school
- Activities to earn points: sports, marching band, small group leader, student ambassador, student government, on-campus clubs, honor societies, school-sponsored gatherings (prom, bonfires, etc.), and school trips/retreats

GCCS Accelerated Courses

This will be helpful to you in determining what classes require the online Academic Request Form

English Language Arts:	
8th Honors Language Arts	NA
Honors English 9	1.1
Honors English 10	1.1
AP Literature	1.3
AP Language	1.3
Fine Arts:	
Symphonic Band	NA
Foreign Language:	
8th grade-French I or Spanish I or German I	NA
Honors Spanish II	1.1
Honors French III	1.1
Honors Spanish III	1.1
Honors French IV	1.2
AP Spanish	1.3

Mathematics:	
7th grade Pre-Algebra	NA
8th grade Honors Algebra	1.1
Honors Algebra I	1.1
Honors Geometry	1.1
Honors Algebra II/Trigonometry	1.1
Intro to Statistics	1.1
Advanced Statistics	1.2
Pre-Calculus	1.2
AP Pre-Calculus	1.3
AP Calculus	1.3
Science:	
8th grade Honors Physical Science	1.1
Honors Biology	1.1
Honors Chemistry	1.2
Honors Physics	1.2
Anatomy & Physiology	1.2
AP Chemistry	1.3
Social Studies:	
Honors World History	1.1
AP Psychology	1.3
AP European History	1.3
AP US History	1.3

Unweighted						
A+	100-97 (4.0)	B+	89-87 (3.25)	C+	79-77 (2.25)	D+ 69-67 (1.25)
A	96-93 (4.0)	B	86-83 (3.0)	C	76-73 (2.0)	D 66-63 (1.0)
A-	92-90 (3.75)	B-	82-80 (2.75)	C-	72-70 (1.75)	D- 62-60 (.75) F 59-0 (0.0)
Weighted 1.1						
A+	100-97 (4.4)	B+	89-87 (3.575)	C+	79-77 (2.475)	D+ 69-67 (1.25)
A	96-93 (4.4)	B	86-83 (3.3)	C	76-73 (2.2)	D 66-63 (1.0)
A-	92-90 (4.125)	B-	82-80 (3.025)	C-	72-70 (1.925)	D- 62-60 (.75) F 59-0 (0.0)
Weighted 1.2						
A+	100-97 (4.8)	B+	89-87 (3.9)	C+	79-77 (2.7)	D+ 69-67 (1.25)
A	96-93 (4.8)	B	86-83 (3.6)	C	76-73 (2.4)	D 66-63 (1.0)
A-	92-90 (4.5)	B-	82-80 (3.3)	C-	72-70 (2.1)	D- 62-60 (.75) F 59-0 (0.0)
Weighted 1.3						
A+	100-97 (5.2)	B+	89-87 (4.225)	C+	79-77 (2.925)	D+ 69-67 (1.25)
A	96-93 (5.2)	B	86-83 (3.90)	C	76-73 (2.6)	D 66-63 (1.0)
A-	92-90 (4.875)	B-	82-80 (3.575)	C-	72-70 (2.275)	D- 62-60 (.75) F 59-0 (0.0)

Grove City Christian uses a 4.0 grading scale.

Honors, AP and CCP classes are weighted to reflect the extra time, effort and work that will be required for the course.

There are 3 weights that are assigned to reflect these courses: 1.1 1.2 1.3

Each of these weights should be multiplied to the grade earned for the particular class. For example, if a student earns an 85% in a course, that is a "B" which on a traditional scale is a 3.0.

Using the weighted system the course would now reflect one of the following: 3.3 3.6 3.9

Department of Biblical Studies

Vision Statement:

It is the mission of the Grove City Christian School Department of Biblical Studies to cultivate proactive followers of Jesus by teaching sound biblical principles, modeling an authentic faith walk and inspiring our students to advance God's Kingdom in the world.

Philosophy and Guiding Principles:

The Grove City Christian Department of Biblical Studies exists to inspire our students to a mature faith walk by engaging their minds, awakening their hearts and shaping their lives with the message of the Gospel. Students will be challenged through a curriculum that focuses on intensive biblical study, open discourse, and times of personal reflection and meditation, giving them the opportunity to both appreciate and experience God's grace and holiness. Utilizing a variety of teaching methods, integrating relevant technology, giving students opportunities to use their unique gifts, and relying on the Holy Spirit's guidance, we seek to cultivate proactive followers of Jesus who will take personal responsibility for their continued spiritual development as they carry out the mission of advancing God's Kingdom in the world.

The Bible department of Grove City Christian School has a five-fold focus to cultivate quality Christian leaders:

- **K-4: Informational:** Helping our students learn the basics of Christianity through the truth of God's Word.
- **5th & 6th grade: Relational:** Helping our students apply the truth of the Bible to their everyday lives.
- **7th & 8th grade: Connectional:** Guiding our students to make lasting connections between major Old and New Testament themes
- **9th & 10th grade: Formational:** Encouraging our students to form, develop and cultivate their personal beliefs into a deep-rooted relationship with Christ.
- **11th & 12th grade: Transformational -Mentoring** our students as they own their faith and impact their world for Christ.

7th Grade-Bible 7-Full Year

The purpose of this course is for students to learn how to connect the stories of God's early covenants with Israel, the teachings of the Prophets and the struggles of the Israelites to stay faithful to God, to their own personal struggles. By making these connections, students gain a better understanding of why God sent Jesus into the world. Throughout the course of study, students will be required to memorize various Bible verses, which will help them make practical connections to the central biblical themes discussed in the classroom.

8th Grade-Bible 8-Full Year

The purpose of this course is for students to examine in detail the earthly life of Christ. Together they learn about the teachings, miracles, ministry, and fulfillment of his role as Messiah. Then, through Spiritual Disciplines, the students develop understanding on how to connect the example of Christ to their own lives by accepting the call to personal discipleship and holiness. Throughout the course of study, students will be required to memorize various Bible verses, which will help them make practical connections to the central biblical themes discussed in the classroom.

9th Grade-Introduction to Theology & Foundation (201)- Semester

This course will look at what a healthy, mature, Christ-centered Theist believes and how they live. Students will answer the following questions:

- | | |
|------------------|--------------------------------|
| • What is faith? | • What is the purpose of life? |
| • What is real? | • Is the Bible true? |
| • What is true? | • What do I trust? |

9th Grade-Introduction to Theology & Semester (202)-Semester

This course will build on the previous one and will look at what a healthy, mature follower of Christ believes and how they behave as a result of their beliefs. Students will answer the following questions:

- How do I understand the Bible?
- How does God reveal His plan from Adam to Abraham? From Abraham to Moses? From Moses to David? From David to Christ? From Christ to Commission? From Commission to Culmination?
- What do I believe?

10th Grade-Spiritual Formation-Semester

This course will help students look at how they can grow to reflect Christ in every area of their lives and at how they can equip others to grow to reflect Christ. Students will answer the following questions:

- What is the desired outcome of spiritual formation?
- What is the path for spiritual growth?
- How do I understand and apply Christ's invitation to repent? Believe? Follow? Love and deny? To go and teach?

10th Grade-Life of Christ-Semester

This course will look at who Jesus is and what their response to His invitation will be. Students will answer the following questions:

- Who do others say that He is?
- How do I view Jesus?
- Is Jesus the Messiah?
- Is Jesus fully God?
- Was Jesus fully human?
- Why did Jesus die on a cross?
- Did Jesus rise from the dead?
- What will happen when Jesus returns?
- Who do I say He is?

11th Grade-Philosophy & Theology-Semester

This course combines the study of the basic philosophy and Christ-centered theology with the exploration of the highly influential works of G.K. Chesterton, C.S. Lewis and J.R.R. Tolkien, including Orthodoxy, Mere Christianity, The Great Divorce and selections from The Silmarillion, The Hobbit and Lord of the Rings. Students also study original works from world-renowned philosophers such as Plato and Nietzsche. Class discussion is centered on becoming a "real Christian" and choosing to make one's faith personal, dynamic, active and joy-filled. Students will answer the following questions:

- What is really real?
- What are the four main worldviews?
- What is Perichoresis? Why is Paradox essential for the fullness of reality?
- What is Christ-Centered incarnational worldview? What is the fullness of Christ?
- What is your quest?

11th Grade-Doctrine & Apologetics STChristian Doctrine THE-197-Semester**

This course is designed to equip the Christian with answers to the most difficult questions posed by both believers, and unbelievers. Within the theological framework students will study major doctrines pertaining to the existence and nature of God, evil, the nature of man, Scripture as the source of truth and the church as the body of Christ. Students will understand and apply those doctrines in the context of living out one's faith in a contemporary culture of competing worldviews and relativism.

- What do I believe?
- Why do I believe?
- How will I communicate my beliefs to others?

12th Grade-Christ & Culture-Semester

This class will challenge students with the eternal plan and purpose of God for the earth and their role in fulfilling His mission. Students will build a solid theological foundation for the biblical history of the cultural interaction and response of the plan of God, examine key New Testament interactions in the early church to identify early conflicts and victories; examine key historical witnesses and events up to the modern-day challenges faced by this generation. Finally, students will be challenged to reflect on God's plan for integration and develop a personal plan for responding to the invitation to participate in the mission of God beyond the walls of their classroom and to reflect Christ in their circle of influence.

12th Grade-Leadership/Evangelism & Discipleship-Semester

This class challenges students with the eternal plan and purpose of God for the earth and their role in participating in His mission. Students will be equipped with the keys to discover, align, and invest their talents and gifts in ministry and life. Students will unpack their unique talents and learn to steward them into strengths, while gaining a deep understanding of God's perspective on their life. Students will develop skills to equip others to discover and their unique personal calling and leverage their talents through coaching relationships. Students will be challenged to reflect on God's plan for personal integration and develop a personalized plan for responding to the invitation to participate in the mission of God beyond the walls of their classroom and reflect Christ in their circles of influence.

Department of English Language Arts

Vision Statement:

The English Language Arts (ELA) Program at Grove City Christian School seeks to create a community of learners engaged in the process of reading, writing, speaking, and listening. These are essential elements for communication, knowledge acquisition, and critical thinking. By applying these language skills and concepts, students enhance and refine their knowledge to gain the insight, confidence, and independence to succeed in all academic realms. Through ELA courses, students develop an awareness of, and gain empathy for, the human condition, resulting in Christian leaders who can successfully communicate the Biblical worldview.

Philosophy and Guiding Principles:

The ELA curriculum at GCCS weaves together concepts and skills to challenge and support student learning in all areas. A diverse learning approach using current technology is used in order to deepen understanding, communicate meaning, and apply learning to other contexts.

Students receive a rigorous, high quality curriculum in a safe and motivating environment.

They learn to read and evaluate works of literature from a Biblical worldview, develop vocabulary, use proper grammar and spelling, and recognize language is a gift from God, who is the Supreme Communicator. Our ultimate goal is to prepare Christian leaders who view, interpret, and share information, both oral and written, through the light of God's Word.

- **1Peter 3:15** *But in your hearts revere Christ as Lord. Always be prepared to give an answer to everyone who asks you to give the reason for the hope that you have. But do this with gentleness and respect.*
- **Romans 12:2a** *Do not conform to the pattern of this world but be transformed by the renewing of your mind.*

7th Grade-English-Full Year

Students in this course will interpret literature and utilize the English language through a Christian worldview. Through the use of biblical principles and the Christian mindset, students will identify, compare and contrast, and analyze a variety of text, considering the historical and cultural context. The framework includes six forms of literature – novel, short story, nonfiction, poetry, drama, and folk literature. In seventh grade, special emphasis is placed on novels, dramas, and poetry. In addition, students will explore various writing types, with an emphasis on vocabulary, spelling, grammar and punctuation. Students will be able to clearly communicate their thoughts, feelings, ideas, and researched information to a variety of audiences, with a special emphasis on oral communication. Students are expected to be able to work at or above grade level

8th Grade-English-Full Year

Students in this course will interpret literature and utilize the English language through a Christian worldview. This course is designed to extend all the concepts learned in seventh grade language arts. Students are expected to have a firm grasp of annotating, effective public speaking skills, and the characteristics of the six forms of literature with special emphasis on nonfiction, short story, and folk literature. In addition, students will explore various writing types, with an emphasis on vocabulary, spelling, grammar, and punctuation. Students will spend more time in eighth grade writing informational text. Students are expected to be able to work at or above grade level.

8th Grade-Honors English-Full Year

Students in this course will interpret literature and utilize the English language through a Christian worldview. Students will be able to read, annotate, and comprehend multiple forms of literature, including the six forms of literature, novel, short story, nonfiction, poetry, drama, and folk literature. In addition, the elements of effective speech and listening will be emphasized, and students will consider the historical and cultural context of literary pieces, as well as author's intent. Embedded throughout this course is the understanding and use of higher order thinking skills and the use of effective questioning. This course is designed to prepare students for Honors English in high school and by the end of this course, students should be performing at the highest end of their grade level.

Prerequisite: Minimum of 90% average for the year in 7th grade language arts classes, and a completed online Academic Request form.

9th Grade-English-Full Year

This course will allow students the opportunity to analyze literature from several genres. The instructor will guide literature selection, and biblical integration will be applied throughout the course. Students will explore various writing types with an emphasis on literacy analysis and conventions. Outside reading is necessary to increase knowledge and broaden perspective. Extension projects, grammar usage, vocabulary enrichment, and integrated technology will complete this course.

9th Grade-Honors English-Full Year

This accelerated course will allow students the opportunity to analyze literature from several genres. The instructor will guide literature selection, and biblical integration will be applied throughout the course. A strong emphasis will be placed on the writing process, and students will learn expository, narrative, and persuasive writing. Emphasis will also be placed on critical reading and deeper analysis of texts. Outside reading is crucial and required to increase knowledge and broaden perspective. Extension projects, grammar usage, vocabulary enrichment, Greek and Latin roots, and integrated technology will complete this course.

Prerequisite: A minimum MAP Reading test score of 230 or a minimum MAP Language score of 225.

10th Grade-English-Full Year

Sophomore English exposes students to literature from a range of genres and cultures. Students will critically analyze the structure of texts, assessing point of view, purpose, and theme, and learn to respond to various types of text. Students are expected to become proficient analyzers of increasingly complex fiction and non-fiction texts. Using these works as models, students will examine key ideas and details in literature and then integrate this into their own works. Students will also read, respond, and discuss weekly choice readings. Additionally, students will conduct research projects demonstrating their understanding of the writing process as well as enriching the expository, narrative, and persuasive styles of writing. Developing and strengthening writing will be stressed as students continue to increase technical mastery.

Prerequisite: English 9 or Honors English 9

10th Grade-Honors English-Full Year

Honors Sophomore English is a rigorous, fast-paced learning environment that exposes students to literature from a range of genres and cultures. Students are expected to complete reading assignments outside of class in order to utilize class time for analysis of the characteristics of literary forms. Students will also need to demonstrate proficiency in reading comprehension and interpretation. Students are expected to become proficient analyzers of increasingly complex fiction and non-fiction texts. Formal and informal writing techniques will be expanded upon. Additionally, students will conduct research projects demonstrating their understanding of the writing process as well as expository, narrative, and persuasive styles of writing. Developing and strengthening writing will be stressed as students continue to increase technical mastery. Students will work together to move beyond superficial, surface-level responses to literature to a deeper understanding and discover how literature and writing are relevant to their lives.

Prerequisite: A minimum MAP Reading test score of 230 or a minimum MAP Language score of 225.

11th Grade-American Literature-Full Year

This course will study literature of different genres, eras, movements, time periods, and purposes. The class will focus on American literature. Our study will range from the fables of the Native Americans, through the writing of our forefathers, and up to the literature of the 21st century. Students will become proficient in analyzing others' and their own writing, finding and critiquing point of view, diction, and other literary devices. The students' writing ability will grow as they learn to use informative, explanatory, and analytical approaches to interpreting text. Students will use technology to research, produce, and support their literary endeavors.

Prerequisite: English 10 or Honors English 10

12th Grade-British Literature-Full Year

This course will examine British literature from Anglo-Saxon writers to contemporary authors. By reading drama, poetry, satire, novels, and other genres, students will refine their reading comprehension, style analysis, and rhetorical insight. Additionally, students will mature as writers, researchers, speakers, listeners, and critical thinkers. We will study British Literature from a biblical perspective.

Prerequisite: American Literature (11)

11th & 12th Grade-AP Literature and Composition-Full Year

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

Prerequisite: Honors English 10, CCP English teacher approval and completed online Academic Request form. All students enrolled are expected to take the AP exam at a cost of \$95.

10 to 12th Grade-Public Speaking-Semester

Public Speaking is the study of the basic principles and techniques in research, composition, organization and delivery of speeches for various purposes. The course concentrates on practical experience in developing speaking and listening abilities to enable the student to communicate orally in clear, coherent language appropriate to the purpose, occasion, and audience.

10 to 12th Grade-Creative Writing-Semester

In this course, students will explore the art of creative writing within the context of their Christian faith. Through various writing exercises and assignments, students will develop their skills in crafting engaging and meaningful pieces of fiction, poetry, and nonfiction. The course will also emphasize the importance of writing as a means of expressing one's faith, values, and beliefs. Throughout the semester, students will engage with a variety of texts and literary genres, including Biblical narratives, Christian literature, and contemporary works of fiction and poetry. They will also learn to analyze and evaluate the effectiveness of different writing techniques and styles and apply these strategies to their own writing. In addition to developing their writing skills, students will also have the opportunity to reflect on the role of creativity in the Christian life and consider how their writing can be used to serve God and share their faith with others. The course will emphasize the importance of writing with integrity and authenticity, and encourage students to use their writing as a means of glorifying God and inspiring others. Overall, this course will provide students with a supportive and engaging environment in which to explore their creativity and deepen their understanding of the Christian faith. By the end of the course, students will have a portfolio of original pieces of writing that reflect their unique voice and perspective as Christian writers.

Department of Fine Arts

Vision Statement:

The Grove City Christian Fine Arts Department seeks to teach, model, and encourage our students in the Fine Arts to study, use and explore their God given talents and abilities. Students are encouraged to develop a lifelong love of music and art through participation in both study and performance.

Philosophy and Guiding Biblical Principles:

God created a physical world for human life. God displays His own artistry not only in a “creation from nothing” in Genesis 1, but also through His direct interest in human artistry. As for humans, artistic expressions reveal their maker’s personal beliefs, which inform the way they view their world. That which is invisible (a person’s beliefs) becomes visible through one’s artwork, drama and music. (Colossians 1:16-17) We believe students should be exposed to a variety of artistic forms, evaluated through the Word of God. We believe that our role is to prepare our students to develop and use those talents to the best of their ability, so they may reach out into their church, community and school sharing their gifts and the message of God’s love to all, giving him worship, and bringing him glory, and helping to impact the culture of the world. (Psalm 19:1-3)(Revelation 4:11) “Each one should use whatever gift he has received, to serve others faithfully administering God’s graces in its various forms.” (1 Peter 4:10)

7th & 8th Grade-Art-Semester

The course is designed to introduce students to techniques, tools, and methods as they pertain to different art media. Developing both technique and creativity will be emphasized. Students will explore the idea of self-expression through developing various art concepts. Students will learn the mechanics of drawing, painting and sculpting through hands-on studio experiences. Biblical integration will be emphasized, and students will understand historical and cultural context.

9th to 12th Grade-Drawing-Full Year

The drawing course is designed to introduce students to techniques, tools and methods as they pertain to drawing. Developing both technique and creativity will be emphasized. Students will explore the concept of self-expression through developing the art of drawing and understanding the basics of the principles of art and design. Students will learn the mechanics of drawing through hands-on studio experiences. Biblical integration will be emphasized, and students will understand historical and cultural context.

9th to 12th Grade-Painting-Full Year

The painting course is designed to introduce students to methods, media and tools as they pertain to painting. Developing both technique and creativity will be emphasized. Students will explore the concept of self-expression through developing the art of painting and design. Students will gain understanding in the basics of the principles of art and design. Students will experiment and practice various painting techniques and concepts through hands-on studio experiences. Biblical integration will be emphasized, and students will understand historical and cultural context.

9th to 12th Grade-Sculpture/Ceramics-Full Year

The sculpture/ceramics course is designed to introduce students to basic techniques as it pertains to ceramics and sculptural forms. Through the emphasis on technique and creativity, students will explore the concept of self-expression through working with clay and various materials. Students will learn the mechanics and construction, representational and non-representational sculptural or ceramic forms. Biblical integration will be emphasized, and students will understand historical and cultural contexts.

7th & 8th Grade-Choir-Full Year

Students will learn and use correct singing techniques (diaphragmatic breathing; articulation; posture), improve basic music reading and sight-reading skills, learn and use basic music notation and markings, using his/her own part in small groups, execute two and three part singing, memorize all performance music. Students are required to attend all scheduled concerts listed on the school calendar (Christmas, Fine Arts Night, Spring), as well as any concerts during the school day.

9th to 12th Grade-Choir-Full Year

Students will learn and use correct singing techniques (diaphragmatic breathing; articulation; posture), improve basic music reading and sight-reading skills, learn to use basic music notation and markings, sing his/her own part in small groups, execute a cappella singing, memorize all performance music. Students are required to attend all scheduled concerts as listed on the school calendar (Christmas, Night of Fine Arts, Spring, Graduation) as well as any concerts during the school day or special events such as ACSI or community performances.

7th to 12th Grade-Show Choir-Full Year

Students will learn and use correct singing techniques (diaphragmatic breathing; articulation; posture), improve basic music reading and sight-reading skills, learn to use basic music notation and markings, sing his/her own part in small groups, execute two and three part singing and memorize all performance music. In addition, students will learn appropriate, choreographed movements and dance routines that enhance their vocal and overall performance. Students are required to attend all scheduled concerts as listed on the school calendar (Christmas, Night of Fine Arts, Spring, Graduation) as well as any concerts during the school day or special events such as ACSI, OMEA Solo and Ensemble or community performances. Students in show choir may also be required to attend after-school choreography rehearsals leading up to major concert performances.

MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA."

7th to 12th Grade-Strings-Full Year

A more in-depth study of playing will be pursued. We will transition from playing mostly in our Essential Elements 200 book to more advanced music, sheet music, and religious music. There will be an increasing demand of difficulty in the music.

- Students will be expected to practice outside of class in order to master music for the class.
- Students will be asked to perform in class for the director, so that progress may be monitored.
- Students will be required to be in all performances, to include, but not be limited to the Christmas Concert, Night of Fine Arts and the Spring Concert.

Prerequisites: Prior string experience. An application, audition, and interview process. MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.



7th to 9th Grade-Concert Band-Full Year

A more in-depth study of playing will be pursued. We will transition from playing mostly in our band book (Measures of Success) to sheet music literature. Students will be expected to practice regularly outside of class to learn material for in-class rehearsal. Students will be asked to perform in-class regularly as individuals so that the band director can monitor progress. Out of class practice cards may also be utilized to help monitor and encourage practice. After-school sectionals may be utilized. Students are required to be at all performances. They will be given a calendar at the beginning of the school year with a contract to sign and return. Field trip and off campus performances may be available in certain school years. Additional performance opportunities include: jazz band, marching band, and pep band

Prerequisites: Membership in band as an intermediate school student (grades 5-6). MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA. Certain instrumentalists may play a school owned instrument; please check with the band director for availability. There is a fee to rent the instrument for use during the school year. Fee of \$80 a year.

8th to 12th Grade-Symphonic Band-Full Year

A more in-depth study of playing will be pursued. Music literature will include pieces with an increased demand of difficulty and be on a level equal to selections from the OMEA Class "C" HS Band contest list. Students will be expected to practice regularly outside of class to learn material for in-class rehearsal. After-school sectionals may be utilized. Students are required to be at all performances. They will be given a calendar at the beginning of the school year with a contract to sign and return. Students may also be required to participate in the OMEA solo and ensemble festival.

Field trip and off-campus performances may be available in certain school years. Additional performance opportunities include: jazz band, marching band, and pep band.

Prerequisite: Admission is audition only. MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA. Certain instrumentalists may play a school owned instrument; please check with the band director for availability. There is a fee to rent the instrument for use during the school year. Fee of \$80 a year.

7th to 12th Grade-Jazz Band-Full Year

Students will participate in a performance based ensemble that is primarily focused on the style of jazz. However, students may also perform other genres such as rock or pop music. The primary focus will be on the correct techniques required to play jazz at a high level. A secondary focus will be the retention of information regarding the history of jazz music.

Students are expected to make weekly progress on the music provided to them. They will be completely focused and engaged during rehearsals and are expected to practice their music outside of class in order to be properly prepared for their class work.

Prerequisite: Must be currently enrolled in Concert or Symphonic Band. MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.

9th to 12th Grade-Chapel Band-Full Year

High School Chapel Band will work together to learn the art of worship and how to lead in a chapel service. Students will lead chapel music during scheduled events. Students will meet to practice during Flex period.

Prerequisite: Students must make application to this class involving a written form and interview.

7th to 12th Grade-Beginning Band-Semester

This course covers all the fundamentals for learning a band instrument at the Middle School and High School level. Beginning Band is for all students who are interested in learning an instrument, but did not have the opportunity to start in 5th grade. This class is also perfect for students who are interested in learning a secondary instrument. This class will prepare students for Concert or Symphonic Band in a short period of time, so they can continue the rest of their musical journey with the rest of their peers.

MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.

9th to 12th Grade-Music Theory-Full Year

Music Theory covers the building blocks of music. This course is designed to build music fundamentals and enhance musical skills. The essential aspects of melody, harmony, rhythm, and form are studied. Students will learn basic composition and how to apply these skills to any music that they will encounter outside of school.

Department of Foreign Language

Vision Statement:

Through the study of Foreign Language, Grove City Christian students will develop a global mindset, a compassionate heart, and a linguistic skill set that facilitates meaningful and culturally appropriate communication in order that they might be equipped to fulfill the Great Commission.

Philosophy and Guiding Biblical Principles:

The GCCS Foreign Language Department seeks to open students' minds to world languages and cultures through a Biblical worldview with a global perspective. We will introduce and equip students with beginning and advanced linguistic skills and cultural perspectives. Students will be challenged as they use critical thinking skills, integrate technology, make connections to other disciplines and are offered travel experiences (both local and abroad) to broaden their worldview and shift their focus away from self to others. Our desire is that GCCS students will develop a global mindset and a compassionate heart, realizing that God's people are connected in many ways regardless of our differences.

Biblical Basis:

Ps. 96:3, I Chron. 16:24, Matt. 28:19-20, Acts 1:8, Mark 16:15, 3 John 1:8

7th Grade-World Languages-Semester

This class is designed to introduce the students to learning a world language.

In this class, we will take a look at what the Bible says about language and then how languages are related. After that, the students will be introduced to some French and Spanish. We will be mainly focused on vocabulary and culture, with an introduction to some grammar. The goal is to teach them strategies to learn a world language, as well as giving them a Biblical Worldview.

8th to 12th Grade-French I-Full Year

This course covers the basic knowledge of vocabulary, forms, structures, and concepts of the French language through thematic chapters or units. It also teaches the skills and tools to use that knowledge in aural comprehension and in reading, writing and speaking. Verb tenses related to the present and near future are learned at this level. Students will be exposed to French history, heritage, culture and geography in a historical and contemporary context.

Students will also be presented with well-known literary and historical figures and will study their relationship to the formation of the current French society.

Prerequisite: 8th graders must have an 90% or better in Language and a completed online Academic Request form. MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.

9th to 12th Grade-French II-Full Year

This course continues to teach the development of listening, speaking, reading and writing skills. There will be a stronger emphasis on pronunciation and conversational skills. The passé compose and the imperfect verb tenses are learned. The foundations of French history and culture will be built upon and expanded to include a more global outlook of the francophone world. Students will also read various condensed poems, short stories and novels written by famous French authors that reflect historical movements and societal issues (i.e. Alexandre Dumas' Le Comte de Monte Cristo which illustrates the struggle between vice and vertu).

Prerequisite: French I

10th to 12th Grade-Honors French III-Full Year

This course continues to build upon listening, speaking, reading and writing skills. Continual practice of pronunciation and conversational skills will be emphasized through projects often incorporating technological elements. The imperfect, conditional, and future tenses are learned as well as an introduction to the subjunctive verb tense. Students will also read various condensed poems, short stories and novels written by famed French authors that reflect historical movements and societal issues.

Prerequisite: 85% or better in French II and a completed online Academic Request form

11th to 12th Grade-Honors French IV-Full Year

This course continues to build upon listening, speaking, reading and writing skills. Continual practice of pronunciation and conversational skills will be emphasized through projects, often incorporating technological elements. The imperfect, conditional and future tenses are learned as well as introduction to the subjunctive verb tense. Students will also read various condensed poems, short stories and novels written by famed French authors that reflect historical movements and societal issues. We will also focus on more contemporary issues in France.

Prerequisite: 85% or better in French III and a completed online Academic Request form. All students enrolled are expected to take the AP exam at a cost of \$95

8th to 12th Grade-Spanish I-Full Year

This course is designed to provide students the basic knowledge of form and function of Spanish. The students will be developing all skills in the target language: listening, reading, writing, and speaking. The focus is to be able to communicate in everyday situations at a novice low level to a novice mid-level and to understand the basics of the Hispanic cultures.

Prerequisite: 8th graders must have a 90% or better in language class and a completed online Academic Request form. MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.

9th to 12th Grade-Spanish II-Full Year

This course is to provide students an intermediate knowledge of form and function of Spanish. The students will be developing all skills in the target language: listening, reading, writing, and speaking. The focus is to be able to communicate in everyday situations at a novice-high to intermediate-low level and understand the basics of the Hispanic cultures.

Prerequisite: Spanish I

9th to 12th Grade-Honors Spanish III-Full Year

In Spanish III, the students will be taking second language learning to the next level by increasing communication, understanding different cultures, making connections with other subjects, comparing Spanish and English, and functioning in our increasingly diverse community. The reading, writing, listening and speaking skills will not only be enhanced with class activities and projects, but because the students are immersed in a Spanish-speaking environment (our classroom), This will prepare them to use the knowledge in college courses, most occupations, and the rest of the Spanish-speaking world. This class will be taught mostly in Spanish, with English used to discuss difficult grammatical concepts only, or to clarify confusion. This course is required before taking AP Spanish Language and Culture. Spanish 3B and AP Spanish are currently all taught in one year. There is a summer reading selection prior to course beginning.

Prerequisite: 85% or better in Honors Spanish II, or teacher recommendation and a completed online Academic Request form.

11th to 12th Grade-AP Spanish IV-Full Year

This course is conducted almost exclusively in Spanish. The goal of this course is to provide the students with an environment where they can develop a command of the Spanish language by giving them daily opportunities to improve their reading, listening, speaking, writing, and develop their understanding of the Hispanic cultures. In writing and speaking, they will enhance their organizational and argumentative skills. This course provides students with preparation for the AP exam and for advanced college courses. There is a summer reading selection prior to course beginning. (AP National Examinations are in May).

Prerequisite: 85% or better in Spanish III and a completed online Academic Request form.

All students enrolled are expected to take the AP exam at a cost of \$95

8th to 12th Grade-German I-Full Year

This course is designed to provide students with the basic knowledge of form and function of the German language. Students will be developing all skills in the target language including listening, reading, writing and speaking. The desired outcome of the course is for students to be able to communicate in everyday situations at a beginning level and to have exposure to the German culture.

Prerequisite: 8th graders must have an 90% or better in Language and a completed online Academic Request Form. MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.

9th to 12th Grade-German II-Full Year

This course is designed to continue students with the more knowledge of form and function of the German language. Students will be developing all skills in the target language including listening, reading, writing and speaking. More complex sentence structure will be a part of the course. The desired outcome of the course is for students to be able to communicate in everyday situations at an intermediate level and to have continued exposure to the German culture.

Prerequisite: German I

Department of Mathematics

Vision Statement:

The Grove City Christian School Mathematics Department seeks to teach students to view mathematics through a Christ-centered lens, understanding that God in His very nature possesses order and created the earth with order. Our goal is that students at each level will develop the necessary knowledge and skills to be better prepared for their next mathematical experience.

Philosophy and Guiding Biblical Principles:

Our teachers will guide students to pursue academic excellence in uncovering traditionally valued mathematical subject matter including basic math skills, algebra, geometry, trigonometry, statistics, pre-calculus, and calculus, while encouraging students' ability in critical and logical thinking in problem solving. In doing so, we believe this type of thinking is truly part of God's nature, and He desires it for us also. Our ultimate goal in teaching math is that students would leave GCCS with an understanding of how mathematics is truly a part of God's design in our world and equips us to serve Him and our world. And we pray this in order that you may live a life worthy of the Lord and may please Him in every way: bearing fruit in every good work, growing in the knowledge of God. (Colossians 1:1) They know the truth about God because he has made it obvious to them. For ever since the world was created, people have seen the earth and sky. Through everything God made, they can clearly see his invisible qualities—his eternal power and divine nature. So they have no excuse for not knowing God. (Romans 1:19-20)

7th Grade-Mathematics-Full Year

One of the first goals of Mathematics 7 is to help students apply and extend their previous understanding of mathematics and use this to explore new patterns in algebra and geometry. Another goal is to help students reason and communicate with each other about mathematics, and to develop conceptually and computationally. Last of all, students should have a solid foundation of algebraic and geometric concepts at the end of Mathematics 7 to help them transition from middle school to high school.

7th & 8th Grade-Pre-Algebra-Full Year

Pre-Algebra demonstrates the connections between mathematics and the student's own world, it also helps students to make connections between different areas of mathematics, including algebra and geometry. Students are introduced to a wide variety of mathematics including the basics of trigonometry, statistics and probability. Pre-Algebra will help students investigate new concepts in mathematics. The goal of Pre-Algebra is to provide a solid foundation for both algebra and geometry.

9th & 10th Grade-Algebra IA & IB-Two Year

This course will build upon the algebraic concepts introduced in Pre-Algebra.

Topics will include properties of real numbers, simplifying numeric expressions and word problems, solving inequalities, polynomials, rational expression, fractional equations, and irrational numbers, radical expressions, graphing, solving linear systems and quadratic equations.

Prerequisite: 35 or lower percentile MAP score and teacher recommendation.

9th Grade-Algebra I-Full Year

This course will build upon the algebraic concepts introduced in Pre-Algebra.

Topics will include properties of real numbers, simplifying numeric expressions and word problems, solving inequalities, polynomials, rational expression, fractional equations, and irrational numbers, radical expressions, graphing, solving linear systems and quadratic equations.

Prerequisite: 8th graders only-must have an 80% or better in Pre-Algebra and a completed online Academic Request form. Also, MAP score of 36 to 74 percentile.

8th & 9th Grade-Honors Algebra I-Full Year

This course is fast-paced and will build upon the algebraic concepts introduced in Pre-Algebra. Topics will include properties of real numbers, simplifying numeric expressions and word problems, solving inequalities, polynomials, rational expression, fractional equations, and irrational numbers, radical expressions, graphing, solving linear systems and quadratic equations.

Prerequisite scoring: The prerequisites for Honors are an overall grade of 85% from (previous math class) and 75 percentile or higher MAP score. MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.

10th Grade-Geometry Concepts-Full Year

This course emphasizes logical reasoning and spatial visualization skills in a small group setting. Students build on the fundamental concepts of points, lines, and planes to discover relationships and properties of triangles, quadrilaterals, circles, and regular polygons. Students develop analysis and reasoning skills as they apply postulates and theorems regarding parallelism, congruence, similarity and inequality. The course also includes construction, transformation, area and volume.

Prerequisite scoring: MAP score of 35 or lower percentile on Algebra 1 or Math 6+ or took Algebra 1A & 1B or Credit Recovery Algebra 1. Also, teacher recommendation.

9th & 10th Grade-Geometry-Full Year

This is a comprehensive course in geometry that emphasizes logical reasoning and spatial visualization skills. Students build on the fundamental concepts of points, lines, and planes to discover relationships and properties of triangles, quadrilaterals, circles, and regular polygons. Students develop analysis and reasoning skills as they apply postulates and theorems regarding parallelism, congruence, similarity and inequality. The course also includes construction, transformation, area and volume.

Prerequisite: Algebra I and MAP score of 36 to 79 percentile on Algebra 2 or Math 6+.

9th & 10th Grade-Honors Geometry-Full Year

This is a more in-depth comprehensive course in geometry that emphasizes independent logical reasoning and spatial visualization skills. Students build on the fundamental concepts of points, lines, and planes to discover relationships and properties of triangles, quadrilaterals, circles, and regular polygons. Students are challenged in their analysis and reasoning skills as they apply postulates and theorems regarding parallelism, congruence, similarity and inequality. The course also includes construction, transformation, area and volume.

Prerequisite scoring: The prerequisites for Honors are an overall grade of 85% from (previous math class), MAP score of 80 or higher percentile on Algebra 1, and online Academic Request Form.

11th Grade-Algebra II Concepts-Full Year

This course will build on the concepts taught in Algebra I. Students will continue their study of relations and functions, linear and quadratic equations, inequalities, systems of equations, polynomials, rational expressions, and irrational numbers. Students begin study of linear programming, matrices, the complex number system, polynomial functions, radical functions, exponential and logarithmic functions, rational functions, probability and statistics, the Binomial Theorem, and trigonometric functions. A TI-84 calculator is needed for this class.

Prerequisite: 35 or lower percentile MAP score on Algebra 1 or completed Algebra 1A & 1B or Geometry Concepts. Also, teacher recommendation.

10th & 11th Grade-Algebra II-Full Year

This course will build on the concepts taught in Algebra I. Students will continue their study of relations and functions, linear and quadratic equations, inequalities, systems of equations, polynomials, rational expressions, and irrational numbers. Students begin study of linear programming, matrices, the complex number system, polynomial functions, radical functions, exponential and logarithmic functions, rational functions, probability and statistics, the Binomial Theorem, and trigonometric functions. A TI-84 calculator is needed for this class.

Prerequisite: 36 to 79 percentile MAP score on Algebra 1. Also completed Algebra 1 and Geometry.

10th & 11th Grade-Honors Algebra II-Full Year

This fast-paced course will build on the concepts taught in Algebra I. Students will continue their study of relations and functions, linear and quadratic equations, inequalities, systems of equations, polynomials, rational expressions, and irrational numbers. Students begin study of linear programming, matrices, the complex number system, polynomial functions, radical functions, exponential and logarithmic functions, rational functions, probability and statistics, the Binomial Theorem, and trigonometric functions. A TI-84 calculator is needed for this class.

Prerequisite scoring: The prerequisites for Honors are an overall grade of 85% from (previous math class) and 80 or higher percentile on MAP Score (Algebra 1).

12th Grade-Algebra III-Full Year

This course will build on the concepts taught in Algebra I and 2. Students will continue their study of relations and functions, linear and quadratic equations, inequalities, systems of equations, polynomials, rational expressions, and irrational numbers. Students continue the study of linear programming, matrices, the complex number system, polynomial functions, radical functions, exponential and logarithmic functions, rational functions, probability and statistics, the Binomial Theorem, and trigonometric functions. A TI -84 calculator is needed for this class.

Prerequisite : Algebra 2

11th & 12th Grade-Introduction to Statistics-Full Year

Students who wish to study education, business, psychology, or medicine in college should take this class as it provides a basic framework in the study of statistics. This course teaches students to collect, organize, and draw conclusions from data. Students will design surveys, perform probability experiments, study sampling distributions, make statistical inferences, and test significance levels. A TI -84 calculator is required for the successful completion of this class.

Prerequisite: 75% or higher in Algebra 2 and 75% or higher in previous English class (70% or higher in previous Honors/AP/CCP English class).

11th & 12th Grade-Advanced Statistics-Full Year

Students who wish to study education, business, psychology, or medicine in college should take this class as it provides a basic framework in the study of statistics. This course teaches students to collect, organize, and draw conclusions from data. Students will design surveys, perform probability experiments, study sampling distributions, make statistical inferences, and test significance levels. A TI-84 calculator is required for the successful completion of this class.

Prerequisite: 90% or better in Algebra 2 and 90% or better in previous English class.

11th & 12th Grade-Pre-Calculus-Full Year

Pre-Calculus continues the study of algebra, geometry, and trigonometry learned in previous high school courses. Students deepen their understanding of functions, including polynomials and rational functions, exponential and logarithmic functions, and trigonometric functions. Students begin study of polar functions, vectors, conic sections, trigonometric identities, the complex plane, discrete math topics, and limits to prepare for work in calculus and other higher-level math courses. A TI-84 calculator is required for the successful completion of this class.

Prerequisite: 85% or better in Algebra II and a completed online Academic Request form.

11th & 12th Grade-AP Pre-Calculus -Full Year

AP Pre-Calculus continues the study of algebra, geometry, and trigonometry learned in previous high school courses. Students deepen their understanding of functions, including polynomials and rational functions, exponential and logarithmic functions, and trigonometric functions. Students begin study of polar functions, vectors, conic sections, trigonometric identities, the complex plane, discrete math topics, and limits to prepare for work in calculus and other higher - level math courses. A TI -84 calculator is required for the successful completion of this class.

All students enrolled are expected to take the AP exam at a cost of \$95.

Prerequisite: 85% or better in Pre-Calculus and a completed online Academic Request form.

11th & 12th Grade-AP Calculus AB-Full Year

The primary goal of this course is to help students see and interpret the world through the lens of integral and differential calculus. A focus is placed on providing a strong conceptual foundation including the concepts of a limit, a derivative, and an integral. With a strong foundation and extensive practice with applications and problems, students become prepared for the AP Calculus AB Exam and additional coursework in Calculus. A TI-84 calculator is needed for the successful completion of this class.

All students enrolled are expected to take the AP exam at a cost of \$95.

Prerequisite: 85% or better in Pre-Calculus and a completed online Academic Request form.

Department of Physical Education/Health

Vision Statement:

The Grove City Christian Physical Education Department's desire is to teach students the skills necessary to develop a lifetime of physical activity, wellness and fitness. We seek to use the teaching of sports, wellness, and movement concepts to complete the total education process. It is our goal that Physical Education and Health will be viewed equally important as all other subject matter. As Christians in the physical education department, we desire to make Christ the reason and focus behind our goals and objectives.

Philosophy and Guiding Biblical Principles:

We believe, a "physically-educated" person is one who has learned the skills necessary to develop a lifetime of physical activity, wellness and fitness. Physical education and wellness education enables us to keep our bodies in good condition so that we can glorify God in all we do (I Corinthians 10:31). Each student should also develop Christ-like attitudes and actions by having the opportunities to interact with other students while feeling the emotions of "success" (winning) and "failure" (losing). Finally, each student should develop an awareness and appreciation for the human body, which was created by God, in the image of God and for God.

7th Grade-Physical Education-Semester (1/4 credit)

Students will work to develop physical fitness, physical skills and sports skills.

Materials required: PE uniform & tennis shoes

8th Grade-Health-Semester (1/2 credit)

A Christian understanding of total health is presented in the course. The students will focus on mental, spiritual, and emotional well-being. Also, students will learn about the digestive system, nutrition, social health, reproductive system, and personal hygiene.

Materials required: Folder and notebook.

9th to 12th Grade-Online Physical Education-Semester (1/4 credit)

This is a semester class given during the regular school year. Students must have access to internet using a computer or smartphone to take this course to take video of workouts. All assignments are submitted on Canvas with the use of Google Docs. Students may work at their own pace, but all assignments must be turned in on or before the due date. Students will work to develop physical fitness and daily physical activities by completing workouts 3x a week and completing fitness activities. Also, article reviews for certain activities will be submitted during this course.

9th to 12th Grade-Weight Training-Semester (1/4 credit)

This class is designed to help students train for their specific sport(s). The course will help students become more aware of the benefits of weight training and how it can help them as they mature. This class is for students who want to lift weights and over time increase muscle strength and power. We will focus on all body parts as we create an individualized plan to meet each student's individual needs. The student's plan will depend on the student's previous knowledge and ability levels at the start of the course. Attention will be given to safe lifting techniques and spotting. Grades will be based on daily participation, bringing the proper gym clothes and completing workouts on time each day.

Materials required: PE uniform & tennis shoes

11th & 12th Grade-Health-Semester (1/2 credit)

This is an exploratory course that covers such topics as: spiritual health, mental/emotional health, nutrition and physical fitness, disease and disorders, drug education, first aid and safety, relationships, body systems, growth and development, and safety and environmental health. It is the aim of this course to help students gain basic knowledge and attitudes that will aid them in making intelligent decisions regarding their health and wellness.

11th & 12th Grade-Hybrid Online Health-Semester (1/2 credit)

This is a semester class given during the regular school year. This is mainly an online course with the students coming in to take the tests and final with a teacher. The student must set up the time when they will come in to take the test prior to the day of the test. All other assignments will be submitted on canvas in a Google Doc (picture of written work). Anything not submitted correctly will result in a missing assignment. Students will be able to work at their own pace but must get assignments submitted on time on or before the due date. This is an exploratory course that covers such topics as spiritual health, mental/emotional health, physical fitness, drug education, first aid/CPR, relationships, body systems, growth and development and reproduction. It is the aim of this course to help students gain basic knowledge and attitudes that will help them in making intelligent decisions regarding their health and wellness.

9th to 12th Grade-Hybrid Summer Online Health (1/2 credit)

This is a 6-week online course during the summer. Students must have access to the Internet using a computer to take this course. All weekly assignments and activities are submitted on Canvas. Students may work at their own pace, but all assignments must be turned in on/before the due date. This is an exploratory course that covers such topics as: spiritual health, mental/emotional health, nutrition and physical fitness, disease and disorders, drug education, first aid and safety, relationships, body systems, growth and development, and safety and environmental health. It is the aim of this course to help students gain basic knowledge and attitudes that will aid them in making intelligent decisions regarding their health and wellness.

Materials required: Computer with internet access.

Fee: \$100.00

Department of Science

Vision Statement:

Grove City Christian School science program seeks to foster our students' innate curiosity about God's Creation to cultivate an ongoing desire to actively learn science. As students mature, critical thinking will be developed and reinforced to naturally lend itself to problem-solving. GCCS students will learn to formulate questions to further their understanding, and then logically and creatively solve problems using the scientific method. Students will use technology and effective communication skills to demonstrate their understanding and application of science. We view science as a process, which will be developed in a continuum from Discovery kindergarten through twelfth grade. Learning science content and skills through active, inquiry-based experiments and classroom activities are central to the GCCS science program.

Philosophy and Guiding Biblical Principles:

Beginning with our youngest of students, kindergarteners, our program seeks to develop independent learners and to support students in their application and understanding of science as it continues to expand. Utilizing their natural curiosity, students will be encouraged to critically think and to apply new ideas, knowledge and data in light of what they already know, both scientifically and Biblically. Throughout their years at GCCS, students will explore the different areas of science, gaining scientific knowledge as their teachers guide them to discuss, analyze and evaluate their experiences. Students will have a keen awareness of the relevance of science and how it applies to their lives and environment, resulting in service to God through stewardship of His amazing creation.

We believe the following global biblical themes are essential for study in the GCCS science curriculum:

- Time, space, and matter came into existence in an instant from nothing (ex nihilo). (Genesis 1:1; Colossians 1:16,17)
- Of all life created, both plant and animal, man is God's ultimate Creation, having been created in His image. (Genesis 2:7)
- Mankind was designed to be responsible for nature and to function in stewardship over all living things. (Genesis 1:26,27)
- The world that we live in (earth) is orderly and abides by laws that are designed for the good of mankind and all living things. (Romans 1:20; James 1:17)
- Life only comes from life in God's design, and there is a genetic continuity to life. (Genesis 1:11-12, 1:20-22)
- The universe as we know it has fallen into decay and, according to the Second Law of Thermodynamics, matter and life are devolving rather than improving and becoming more orderly. But, in due season, all will be made whole again. (Romans 8:22; 2 Peter 3:4-9)
- Therefore, the earth and its resources are finite. (2 Peter 3:10-11a)
- Mankind should be engaged in understanding and cooperating with the complexities of design that exist to achieve a balanced standard of living which does not sacrifice long-term environmental health. (Genesis 1:26)
- In order to demonstrate the love of Christ, we should be seeking to improve the quality of life for people in America and around the world through improvements and application of science and its technologies, allowing us to fulfill the great commission. (Matthew 28:19-20)
- As Christians, we should be able to defend the biblical standpoint on scientific issues using both biblical and scientific evidence to support their position, in a way that glorifies God and draws people to them. (1 Peter 3:15) The universe as we know it has fallen into decay and, according to the Second Law of Thermodynamics, matter and life are devolving rather than improving and becoming more orderly. But, in due season, all will be made whole again. (Romans 8:22; 2 Peter 3:4-9)
- Therefore, the earth and its resources are finite. (2 Peter 3:10-11a)
- Mankind should be engaged in understanding and cooperating with the complexities of design that exist to achieve a balanced standard of living which does not sacrifice long-term environmental health. (Genesis 1:26)
- In order to demonstrate the love of Christ, we should be seeking to improve the quality of life for people in America and around the world through improvements and application of science and its technologies, allowing us to fulfill the great commission. (Matthew 28:19-20)
- As Christian, we should be able to defend the biblical standpoint on scientific issues using both biblical and scientific evidence to support their position, in a way that glorifies God and draws people to them. (1 Peter 3:15)

7th Grade-Life Science-Full Year

This is a survey science class exploring life processes and man's stewardship of the earth. An introduction to dissection and other clinical processes will be included. This class will develop the student's knowledge of creation vs. evolutionary theories. The scientific method will also be developed.

8th Grade-STEM-Full Year

This course will use inquiry-based investigations to help students develop necessary lab skills and promote critical thinking skills. Students will explore topics such as plate tectonics, weather phenomena, coding, and robotics.

8th Grade-Honors Physical Science-Full Year

This class introduces students to the physical sciences: chemistry and physics. It provides the foundation for more detailed study later and familiarizes the students with how the physics world operates. Topics include matter, substances, motion, and energy, as well as selected topics in earth science.

The honors section will allow students to explore the topics at a more in-depth level, focusing on the application of the principles and math skills that come with chemistry and physics. Additionally, the honors sections move at a slightly faster pace.

Prerequisite: An 85% or higher average in Life Science and a 90% or higher average in Math 7 (or 85% or higher in Pre-Algebra). MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.

9th to 12th Grade-STEM 101-Full Year

This course will use inquiry based investigations to help students develop necessary lab skills and promote critical thinking skills. Students will explore topics such as the Engineering Design Process, architecture, coding, robotics, and circuitry through Arduino boards, and programming Raspberry Pi.

9th Grade-Physical Science-Full Year

This course introduces students to the fundamentals of chemistry and physics, providing a firm foundation for more advanced science courses. Chemistry topics include the classification of matter, atomic structure, periodic table, bonding, and reactions. Physics topics include motion, force, energy, waves, and electricity. In addition, students will be given a thorough grounding in measurement, the metric system, and graphing. Students will learn to collect, analyze, and report data. Physical science is a hands-on course in which students develop the necessary skills to do math-based science

9th Grade-Honors Biology-Full Year

This course is designed to introduce students to basic concepts of life science and push them to analyze relationships, determine cause and effect, explain the regulation of biological processes in depth, explore the continuity of life's diversity, research scientific information and make practical applications. The basic material is covered at a faster pace and more in depth than in biology, and students will be expected to develop and demonstrate critical thinking skills. This will be accomplished while exploring the core standards of scientific inquiry, biochemical organization, levels of biological organization, characteristics of living things, cells, the relationship of structure to function, classification and comparison of living things, energy transfer, heredity, biotechnology, ecology and interdependence of organisms and their environment, evolution, intelligent design, and the origins of life.

Prerequisite: An 85% average in Honors Physical Science, and a completed Academic Request Form are required. Additionally, an 90% average in Pre-Algebra or an 85% average in Algebra I is required.

10th Grade-Biology-Full Year

This course is designed to introduce students to basic concepts of life science and push them to analyze relationships, determine cause and effect, explain the regulation of biological processes in depth, explore the continuity of life's diversity, research scientific information and make practical applications.

Students will be expected to develop and demonstrate critical thinking skills.

This will be accomplished while exploring the core standards of scientific inquiry, biochemical organization, levels of biological organization, characteristics of living things, cells, the relationship of structure to function, classification and comparison of living things, energy transfer, heredity, biotechnology, ecology and interdependence of organisms and their environment, evolution, intelligent design, and the origins of life.

10th Grade-Honors Chemistry-Full Year

Honors Chemistry is a rigorous and fast-paced course designed to prepare students to succeed in college science courses. This course is an excellent choice for those students who desire a deeper understanding of science and/or plan to major in a STEM field in college. Students will learn to think abstractly and use proportional reasoning strategies to solve problems. Topics include laboratory procedures, metric system, density, atomic structure, the mole, periodic table, bonding, formulas, chemical reactions, acids/bases, gas laws, and much more. Students will perform inquiry-based laboratory experiments in which they will learn to apply chemical principles.

Prerequisite: Prerequisites: An average grade of 85% in Algebra 1, Physical Science, and Biology.

11th Grade-Chemistry-Full Year

Chemistry is a lab-based course focused on the study of the composition, properties, and changes associated with matter and energy. Chemistry comprises a systematic study of the predictive physical interactions of matter and subsequent events that occur in the natural world. The course will cover in depth, a broad range of chemistry topics. This course will include mathematical analysis of physical relationships between variables associated with chemical reactions and bonding. Investigations are used to understand and explain the behavior of matter in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. Some course topics include atomic theory, the periodic table, states of matter, chemical bonding, chemical reactions, stoichiometry and acid/base chemistry.

Prerequisites: Algebra I, Biology, IPS, or Physical Science.

11th & 12th Grade-Chemistry II-Full Year

Chemistry 2 is a lab-based course that continues the focus on the study of the composition, properties, and changes associated with matter and energy.

Chemistry 2 comprises a systematic study of the predictive physical interactions of matter and subsequent events that occur in the natural world. The course will cover in depth, a broad range of chemistry topics including mathematical analysis of physical relationships between variables associated with chemical reactions and bonding. Some course topics include atomic theory, the periodic table, states of matter, chemical bonding, chemical reactions, stoichiometry and acid/base chemistry.

Prerequisites: Chemistry I

11th & 12th Grade-AP Chemistry-Full Year

AP Chemistry is designed to be the equivalent of an introductory college chemistry course. Students will be expected to develop both a deep conceptual and mathematical understanding of core concepts. The AP Chemistry curriculum is centered around six big ideas: 1) Atoms and Elements, 2) Structure and Properties of Matter, 3) Chemical Reactions, 4) Kinetics, 5) Thermodynamics, and 6) Equilibrium. Students will perform a number of inquiry-based labs throughout the year, which include formal lab write-ups. Students will be required to take the AP exam in the spring, which may result in college credit.

Prerequisites: An average grade of 85% in Honors Chemistry and Algebra II (or concurrent enrollment)

11th & 12th Grade-Honors Physics-Full Year

This course is an introduction to the principles of physics, with an emphasis on problem-solving using algebra and trigonometry. Topics covered will include motion, forces, momentum, energy, waves, electricity, and magnetism. This course is ideal for students desiring to major in science, engineering, or math, and is academically challenging and interesting.

Prerequisite: 85% or better in Algebra II and Chemistry and a completed online Academic Request form.

11th & 12th Grade-Anatomy and Physiology-Full Year

This course provides a basic study of the anatomy and physiology of the human body. Students will begin with an introduction to the human body using terminology that will provide the foundation for the study of biochemistry, cells and tissues, body membranes, along with the following systems: skeletal, muscle, nervous, cardiovascular, digestive, urinary and respiratory. Diseases and disorders of the systems will also be discussed.

Classes involve workbook activities, labs and dissections.

Prerequisites: Biology, Chemistry, and Algebra

Department of Social Studies

Vision Statement:

Students will apply Biblical principles as they interact with history to examine the past and present of their community, state, nation, and world and the relationships between them. Students will develop an appreciation for a personal heritage and respect for cultural differences which is asked us of in Luke 6: 31- Do to others as you would like them to do to you (NLT), and evaluate their role and responsibility as caretakers of God's creation and to tell others about Christ.(Matt 28:19- Therefore, go and make disciples of all the nations, baptizing them in the name of the Father and the Son and the Holy Spirit.)

Philosophy and Guiding Biblical Principles:

We believe that students learn best through a balanced program of diverse assessments and experiences such as: small groups, research, class or group discussion, hands-on experiences, lecture and travel. By using collaborative and interactive teaching styles, we plan to instill an appreciation for people and the world around them. With the use of technology in the classroom from Discovery Kindergarten through high school, we will assist the students in connecting the past, present and future. We believe in presenting all material so that every student sees how God has moved through history (Dan 2:21- He controls the course of world events; He removes kings and sets up other kings. He gives wisdom to the wise and knowledge to the scholars) (Romans 13:1- Everyone must submit to governing authorities. For all authority comes from God, and those in positions of authority have been placed there by God.), and we plan to inspire our students to change history around them by leading through Christ's example. (Acts 1:8- But you will receive power when the Holy Spirit comes upon you. And you will be My witnesses, telling people about me everywhere—in Jerusalem, throughout Judea and Samaria, and to the end of the earth.)

7th Grade-World History-Full Year

This will be a study of the history of people groups and cultures from the Dark Ages through the 20th century. Students will examine the Biblical beginnings of history and continue with a study of other peoples and cultures through a Biblical world life view. A study of the geography of the world and how it has shaped and continues to have an effect on the lives of the people is also included. Students will use textbooks, primary and secondary resource materials, and technology in their study of world history.

8th Grade-American History-Full Year

Students will study the heritage of America from colonization through the Civil War. The overview of people and events will be evaluated from a Christian perspective.

9th Grade-World History-Full Year

From the Age of European Absolutism to present day, students will learn to interpret historical events through a biblical worldview. Students will develop an understanding of the past and its relevance to the world around us today through lecture, media, and group interaction.

9th Grade-Honors World History-Full Year

From the Age of European Absolutism to present day, students will learn to interpret and openly discuss historical time periods and their effects through a biblical worldview. Students will be required to research topics, form their own opinions and be able to present their side of history in a debate or written format. Students will develop an understanding of the past and its relevance to the world around us today through lecture, media, and group interaction. Outside reading and research will be imperative to the classroom environment. This class will follow the same outline as the other world history course, however, will require in depth research of certain topics throughout the year.

Prerequisites: An 85% or better in 8th grade History and completed online Academic Request form.

10th Grade-U.S. History-Full Year

This course is a survey of United States History from the Reconstruction to the present. The contributions of Americans and their impact on U.S. History will be examined, as well as the important historical developments and the changing role of the United States and its relationship to the rest of the world.

10th to 12th Grade-AP U.S. History-Full Year

Study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.

*All students enrolled are expected to take the AP exam at a cost of \$95
Completed online Academic Request form is required.*

11th & 12th Grade-Civil Rights/Current Events-Semester

First quarter, students will research and discover why there was a need for a Civil Rights Movement, the Movement itself and the effects of the Movement. Using documentaries, videos and interviews, students will develop their own understanding of the Civil Rights Movement. We will also discuss how events in US History, as well as World History, played a part in the Civil Rights Movement. Parents should be aware that some documentaries and/or films may contain graphic material that relates to this movement. This course will use lecture, media, interviews, test and student presentations to facilitate and assess student knowledge. Second quarter, students will be challenged to think critically about the events that are happening in the world around them through a Christian Worldview. Topics covered will depend on current local, national and world events.

11th & 12th Grade-History of World War II-Semester

WWII is a semester course that will cover the history of anti-Semitism, the actions that lead to WWII, and the aftermath of WWII. We will also extensively cover all three arenas that WWII took place. The film series Band of Brothers, and clips from other documentaries and films, will be used to compare and contrast to the real events of WWII. Through discussion, lecture, video and research, students will discover the different facets of WWII and the Holocaust. Also, discussions of faith and Christianity in the context of war will be discussed.

11th & 12th Grade-Economics and Financial Literacy-Semester

This course teaches the science of economics. Students will understand how and why people make certain economics choices. The topics include the Bible and economic principles and concepts, personal finances and creating a budget. Students will then apply this information in a final project. The course addresses financial literacy standards on both a state and national level and meets the Ohio high school graduation requirement in Financial Literacy.

11th & 12th Grade-Government-Semester

Government prepares students for responsible citizenship with a discussion of the principles and mechanics of a constitutional republic. Students will read primary and secondary textbooks to understand, analyze, and research through political principles. The principles discussed include the Constitution, political parties, elections, pressure groups, citizenship, and more, all from a biblical perspective.

11th & 12th Grade-AP European History-Full Year

AP European History presents in-depth coverage of major developments in modern European history. The course follows the Advanced Placement guidelines established by the College Board and it is therefore taught at the university level. Students will master an understanding of European history from the Renaissance (around 1450) to the present. Through successful participation in the course, a student will develop (a) an understanding of the principal themes in modern European history, (b) an ability to analyze historical evidence, and (c) an ability to analyze and communicate historical understanding in writing. This course prepares all students to take the AP European History examination.

*All students enrolled are expected to take the AP exam at a cost of \$95
Completed online Academic Request form is required.*

11th & 12th Grade-Psychology-Full Year

In this class, students will explore the psychological facts, principles and phenomena associated with the major fields within psychology through a biblical perspective. Primary and secondary textbooks and media sources will be used to understand and analyze the field of psychology. Students will use these resources to understand, analyze, and research the fields of psychology in class, papers, and projects. The content follows the guidelines of the College Entrance Examination Board and instruction will be at the college level.

*All students enrolled are expected to take the AP exam at a cost of \$95
Completed online Academic Request form is required.*

11th & 12th Grade-AP Psychology-Full Year

In this class, students will explore the psychological facts, principles and phenomena associated with the major fields within psychology through a biblical perspective. Primary and secondary textbooks and media sources will be used to understand and analyze the field of psychology. Students will use these resources to understand, analyze, and research the fields of psychology in class, papers, and projects. The content follows the guidelines of the College Entrance Examination Board and instruction will be at the college level.

Prerequisite: An 83% or higher in both English 10 and Biology.

*All students enrolled are expected to take the AP exam at a cost of \$95
Completed online Academic Request form is required.*

10th to 12th Grade-Sociology-Full Year

Sociology is a field of study that explains social, political, and economic phenomena in terms of social structures, social forces, and group relations. Some things this course will entail are the following: human culture, socialization, aging, social change, race and ethnic stratification, marriage and family and others.

Department of Technology

Vision Statement:

The Grove City Christian School Technology Department seeks to facilitate the development of students who will become committed and professionally competent Christian leaders and workers that will impact their chosen organizations, professions, and the society in which they live with their biblical example of work and purpose. Students will use an ever-changing variety of technologies and will be taught to adapt, problem solve and be lifelong learners to achieve success in their work.

Philosophy and Guiding Biblical Principles:

Teachers, as active Biblical role models, who exhibit and teach the character traits of responsibility, honesty, integrity, diligence, and loyalty, (Proverbs 15:2 “the tongue of the wise commends knowledge.”) integrate these Biblical principles in each area of technology. (I Timothy 4:7 “train yourself to be Godly.”) We provide opportunities for student involvement and instruction with leading edge technology. Students receive collaborative experiences in developing excellent oral and written communication using technology as a differentiation tool to enhance, especially in the area of written communication practice. (Colossians 4:6 “Let your speech be always with grace, seasoned with salt, that you may know how you ought to answer each one.”). Guidance in the ethical use of computer technology and information allows students to develop the understanding of the importance of discerning right from wrong in school life, at home, and when faced with challenges in the workplace. (Psalm 37:27 “Depart from evil and do good; And dwell forevermore.”)

9th to 12th Grade-Yearbook-Full Year

Students will use TreeRing website to create the GCCS yearbook, “The Eagles Wing.” They will also be required to market ads to help finance the yearbook. Students will be able to earn the Special Projects Seal.

Prerequisite: Students must interview with teacher and have approval to be enrolled in course. Seating is limited.

7th to 12th Grade-Google Suite-Semester

Students will be introduced to the various aspects of Google Suite including the Google collaboration tools like Gmail, Calendar, Meet, Drive, Docs, Sheets, Slides, Forms, Sites, and more.

MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.

7th to 12th Grade-Microsoft Office Suite-Semester

Students will be able to use Microsoft Office 365 including the apps Word, Excel, PowerPoint, OneNote, and other 365 apps. The semester course will train students to be proficient in Microsoft Office Suite so that they can work in business with a level of skill in each of these applications. Students will learn the material by producing a variety of documents that would be used in high school, college and the business world.

MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.

9th Grade-Aviation STEM 1-Year

This course will provide the foundation for advanced exploration in the areas of 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 historical perspective, starting from the earliest flying machines and leading to the wide variety of modern aircraft and the integral role they play in making today’s world work.

10th Grade-Aviation STEM 2-Year

This core aerospace and aviation course provides the foundation for both pathways. It is designed to give students a clear understanding of career opportunities in aviation and aerospace and the critical issues affecting the aviation system. Students will also begin to drill down into the various sectors of aviation and the elements that make up the aviation and aerospace ecosystem. They will discover how advances in aviation created a need for regulation and will learn about the promulgation of civil aviation oversight. Students will explore modern innovations and develop their own innovative ideas to address real-world challenges facing the aviation industry. They will be exposed to a variety of career options in aviation and aerospace and take an in-depth look at the opportunities available. For schools offering multiple pathways, this course will allow students to begin to define their individual interests.

Prerequisite: Aviation STEM 1

11th Grade-Aviation STEM 3-Year

In this course, students pursuing the pilot and UAS tracks will take a closer look at the aircraft they may one day operate. Students will begin with an exploration of the types of aircraft in use today before going on to learn how aircraft are made and how they fly. Students will understand how aircraft are categorized, be able to identify their parts, and learn about aircraft construction techniques and materials. They will gain an in-depth understanding of the forces of flight—lift, weight, thrust, and drag—including how to make key calculations. They will then touch on aircraft design, looking at stability, aircraft controls, and maneuvering flight. The course will conclude with a focus on career skills related to these topics.

Prerequisite: Aviation STEM 2

12th Grade-Aviation STEM 4-Year

In this course, students in the UAS and Pilot tracks will take an in-depth look at the systems that make manned and unmanned aircraft work, as well as the instrumentation powered by those systems. Beginning with aircraft power plants and fuel systems, students will learn about the different options available and how they affect aircraft design and performance. They will go on to explore other key aircraft systems, including electrical, pitot-static, and vacuum systems. Throughout, they will learn about the flight instruments associated with each system and how to identify and troubleshoot common problems. This unit also covers airplane flight manuals, the pilot's operating handbook, and required aircraft documents. Finally, students will learn about the factors that affect aircraft performance and how to determine critical operating data for aircraft.

Prerequisite: Aviation STEM 3

8th to 12th Grade-Intro to Web Development & Responsive Website Design (C1)-Semester

This course is online and self-paced with auto graded quizzes and tests. It is specifically designed to teach HTML & CSS, assuming the student has no prior coding knowledge. Students will learn to code using a free text editor, sublime text, downloaded to either a school laptop or their own computer. Students will write all the code themselves, following the online lesson tutorials. They will learn coding concepts such as: HTML tags, links, images, inline styling and external style sheets. It is specifically designed to teach HTML & CSS with Bootstrap as well as JavaScript. It assumes prior experience with HTML and CSS. Students will learn to code using a free text editor, sublime text, downloaded to either a school laptop or their own computer. Students will write all the code themselves, following the online lesson tutorials. They will learn and write real code in its native environment. The course concludes with a tutorial for students to upload their website live on the web!

MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.

8th to 12th Grade-JavaScript Game Design (C2)-Semester

This course is the second in the sequence and is online and self-paced with auto graded quizzes and tests. It is specifically designed to teach JavaScript, assuming the student has no prior coding knowledge. The Intro to Web Development Course & Responsive Website Design is a prerequisite for this course. Students will learn to code using a free text editor, sublime text, downloaded to either a school laptop or their own computer. Students will write all the code themselves, following the online lesson tutorials. They will learn coding concepts such as: functions, variables, properties, loops, intervals, if statements and much more. The course concludes with a tutorial for students to code their own custom game!

MS Students: This is a high school level course. Your final grade will count towards your HS transcript and GPA.

9th to 12th Grade-JavaScript Tower Defense (C3)-Semester

This course is the third in the coding sequence and is offered online and self-paced with auto graded quizzes and tests. It is specifically designed to teach JavaScript. This course assumes basic JavaScript and coding logic understanding. Students will learn to code using a free text editor, sublime text, downloaded to either a school laptop or their own computer. Students will write all the code themselves, following the online lesson tutorials. They will learn more advanced coding concepts such as: function arguments, math concepts, automation, intelligence, objects, arrays and much more.

9th to 12th Grade-Python Multiplayer (C4)-Semester

This course is the fourth in the coding sequence and is offered online and self-paced with auto graded quizzes and tests. It is specifically designed to teach Python, assuming no prior python knowledge. Students will learn to code using a free coding editor, IDLE, downloaded to either a school laptop or their own computer. Students will write all the code themselves, following the online lesson tutorials. They will learn coding concepts such as: functions, variables, properties, loops, lists, dictionaries, if statements and much more.

9th to 12th Grade-STEM 201-Full Year

This is a course that connects engineering-related calculations with hands-on laboratory work.

- The theme of Quarter 1 is 3D CADD drafting and printing. Students learn basic construction drawing drafting skills with 3D CADD software. They also utilize the 3D printer and slicer software in order to transform their CADD drawing into a physical 3D print.
- The theme of Quarter 2 is mechanics. Students learn about basic mechanisms and structures, such as the 6 simple machines. They utilize LEGO labs to construct these mechanisms. Students compare lab measurements with hand calculations regarding forces, moments, mechanical advantages, and gear ratios.
- The theme of Quarter 3 is circuits. Students learn about AC (Alternating Current) and DC (Direct Current) circuit configurations, such as series connections, parallel connections, and combination connections. They utilize circuit components with the breadboard to build circuit layouts and take measurements with a digital multimeter. These measurements are compared with hand calculations regarding voltage, current, resistance, and power.
- The theme of Quarter 4 is digital electronics. Students learn about converting various number systems such as binary, decimal, hexadecimal, and octal. They use truth tables and Karnaugh maps to calculate outputs for given inputs. Along with breadboards and digital multimeters, students are introduced to logic gate chips such as AND, OR, NOT, NAND, NOR, XAND, and XOR.

Prerequisite: STEM 101

Other Electives

7th and 8th Grade-Entrepreneurship-Semester

Over the course of a semester, students will design and launch a small business. Students will be able to understand the basics of product design, pricing, marketing and sales, financial reporting, and community stewardship. All of these principles are taught alongside applicable Biblical scripture.

9th to 12th Grade-Digital Imaging-Full Year

Students will be able to discuss and relate the history of photography, how any camera works, the basic of film photography, photographic composition, digital cameras and digital film storage options, how to acquire, edit and store digital images and careers related to photography. Students will also be able to correctly use a digital camera to take photographs. They will then learn how to store the digital photographs for different applications, including PowerPoint and Yearbook files. Students will learn how to manipulate images using Adobe Photoshop®. They will use their images to create a variety of Photoshop projects throughout the year.

Materials: 16 or 32 GB SD card

9th to 12th Grade-Digital Video Editing-Full Year

This class will enable students to create high-impact videos using Adobe Premiere Pro® on the PC. Students will learn to use a digital video camera to create their video projects in the area of advertisements, how to, and short story projects. Students in this class will be encouraged to help make videos for other classes that they are enrolled in during the year. Students will also learn to conduct interviews and produce interview videos using material from the Academy of Scholastic Broadcasting.

12th Grade-College and Career Planning-Semester

Have you ever asked yourself the question, "What do I want to be when I grow up?" This course is designed to lead students through the process of discovering the many options that are available to them after high school.

Students will walk away with a better understanding of college entrance procedures (test scores, college applications, financial aid, etc.) and have career opportunities available to them. Students will take a career inventory, personality test, and interest inventory to help them discover their God given gifts.

Audition Request Form

Audition Request Form for Grove City Christian Symphonic Band for 2023-2024

Grove City Christian School offers Symphonic Band for incoming eighth grade students. This band is designed to challenge students who exhibit a strong interest and have an advanced level of achievement on their particular instrument. Students should exhibit a positive attitude and engagement in classroom activities, as well as a willingness to demonstrate ownership of their learning and exhibit leadership qualities in Concert Band. In addition to the time spent in class, students must have sufficient time outside the school day to dedicate to practicing their instrument due to the increased rigor of this band.

Dates for auditions will be forthcoming. A schedule of audition times for each student will be made available at that time.

Name: _____

I am requesting that my child,

_____, be considered for placement in Symphonic Band for the 2023-2024 school year. I have reviewed the requirements of the course listed in the GCCS Course and Requirements Guide and understand the rigor and demands of this course.

I recognize this is a high school level course and as such, this will go on my student's transcript, and they will receive high school credit for completing the course. I also understand that additional details about this course and the increased expectations of the course will be outlined in a course syllabus which I will sign at the beginning of the 2023-2024 school year.

Parent Signature _____

I request that I be considered for placement in Symphonic Band for the 2023-2024 school year. I understand the requirements of this course, and I am willing to challenge myself to succeed. Not only that, but I understand that the workload will be increased, and the rigor involved in Symphonic Band.

Student Signature _____

To be completed after audition:

Student placed in Symphonic Band or Concert Band.

Teacher's Signature _____