



Trinity Presbyterian School Upper School Course Guide 2021-2022

Mission: To glorify God by providing for students the highest quality college-preparatory education, training them in the Biblical world and life view, thus enabling them to serve God in spirit, mind, and body.

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Curriculum Philosophy

Overview

The word curriculum refers to a course of study, either what is studied in an individual course or what is studied over one's entire school career. The curriculum of any given school includes both subject matter as well as instruction and instructional resources. At Trinity Presbyterian School, our curriculum focuses on two complementary goals: providing the highest quality college preparatory education and framing that education within a Biblical world and life view. Each year, as a student progresses from one grade to the next, the curriculum builds on itself, becoming progressively more challenging and reflecting the richness of the world around us. We work diligently on creating a seamless transition from one grade level to the next with the purpose of equipping our young people with the ability to engage with the wider world beyond them as they move on to college and their chosen career.

Biblical World and Life View

Christian education has a long and noble lineage both in Europe and the United States. Christian educators emphasize being able to read and think for oneself from a Biblical world and life view so that one can interact intelligently with both the Christian and non-Christian world. In an increasingly secular world, Trinity believes it is important to equip students with the necessary intellectual tools to engage with the world around them, understand others' points of view, and defend their own. In order to do this well, students receive a broad liberal arts education at Trinity that focuses on mind, body, and spirit.

College Preparatory Education

The world is undergoing change at an unprecedented rate due in large part to both technological improvements and increasing globalization. Preparing students for college and career has never been more important or more challenging. Since we assume that our students will go on to 4-year colleges, our graduation requirements reflect current college admission criteria. A range of course offerings from standard college preparatory courses to Advanced Placement courses prepare all our students for the college of their choice. An emphasis on reading comprehension, critical analysis, effective oral and written communication, and problem solving provide the necessary skills needed for our students to thrive in a college setting and in the work force. We diligently study the latest trends in higher education and make necessary changes to our curriculum as needed while still maintaining our core beliefs.

Upper School Overview

Trinity's Upper School includes grades nine through twelve and focuses on transitioning from high school to college. Our upper school students work on developing independent methods of learning, disciplined time management, and personal responsibility and initiative. The school year consists of two semesters, and eight class periods daily. The core curriculum consists of English, math, science, and social studies along with specialized instruction in foreign language, the fine arts, Christian studies, computer science, and physical education.

All students must take classes during all 8 periods of the school day during both semesters, with the exception of 12th graders, who may choose to receive one free period each semester. (Please see note on page 6 for possible exceptions.) Students may request changes in their schedule during the first two full weeks of each semester (drop or add a course) as long as the requested change does not exceed the maximum enrollment of a class or cause a severe imbalance. The drop/add period is increased to three full weeks for any AP course. Requests will be considered on an individual basis.

A semester course completed with a 64 average or better earns $\frac{1}{2}$ unit of credit. Students must earn a minimum of 8 credits per year, except 12th graders, who must earn at least 7 credits. Failed courses must be taken and passed in an accredited program approved by the Head of School. Credit will be awarded for a completed and passed summer school course, however, the grade will not replace the failing grade and will not be included in the student's GPA. No upper school student may apply more than one course recovery credit (2 semesters) toward graduation from Trinity. Any 9-12 grade student who fails three semester courses will not be allowed to remain at Trinity. Students who fail three semester courses will not be eligible for future re-enrollment.

Beginning with 9th grade, a cumulative grade point average of at least a 2.5 must be maintained to remain at Trinity. A 9th grader may conditionally enroll in the 10th grade (unless he has already used a probationary period) and has until the end of that year to achieve a cumulative GPA of 2.5. Should the student not have a 2.5 GPA at the end of that conditional year, the student will not be allowed to return to Trinity. No student may enter the junior or senior year with a cumulative GPA lower than 2.5. A senior who does not have a 2.5 cumulative GPA at graduation time will receive a diploma, but will not be allowed to participate in graduation ceremonies. The cumulative GPA is calculated using the semester grades for all courses taken in 9th -12th grade.

CALCULATING G.P.A. FOR TRANSFER STUDENTS: All transfer grades for students entering Trinity (grades 9-12) will be recorded using Trinity course weights, i.e., if a transfer grade is designated "honors" or "AP" but the course is not offered at Trinity, no additional weight will be assigned to the course. The G.P.A. calculation will be cumulative beginning with ninth grade. Units of credit will be recorded as awarded by the previous school(s), using their grading scale, however, no credit will be recorded for classes completed prior to 9th grade.

GRADUATION REQUIREMENTS

General Upper School Course Requirements

4 Units English

4 Units Social Studies

4 Units Mathematics

4 Units Science

2 Units Christian Studies

2 Units Foreign Language (of the same language)

½ Unit Physical Education*

½ Unit Fine Arts/Humanities (*approved courses listed below*):

AP Art History (*currently available off-campus or online*)

AP World History

French III/Spanish III (*completed 3 years of same language at high school level*)

Advanced Level Art (*completed 3 years at high school level and teacher approval, excluding Set Construction/Set Design*)

Advance Level Band (*completed 3 years at high school level and teacher approval*)

Advanced Level Choir (*completed 3 years at high school level and teacher approval*)

Advanced Level Dance (*completed 3 years at high school level and teacher approval*)

American Film Studies I, II

Holocaust Studies

Humanities - The Cultural Accomplishments of Humankind

6 Units of Electives

Total Graduation Credits: 27

All 9th grade students will take Physical Education. Physical Education credit may be earned through participation in Physical Education, Athletics, Band, Cheerleading, Wildcat Twirlers, Dance, Dance Team or Show Choir.

Grading Scale

Trinity Presbyterian School's grading scale is as follows:

Letter Grade Equivalency	Numerical Grade	Quality Points	Honors Quality Points	AP Quality Points
A	90-100*	4	4.5	5
B	80-89	3	3.5	4
C	70-79	2	2.5	3
D	64-69	1	1.5	2
F	0-63	0	0	0

* Semester numerical averages cannot be above 100 points.

Guidance Center personnel will assist in the course selection process. Students are responsible for knowing current entrance requirements for their college(s) of interest and select courses accordingly.

Grading Scale for Weighted Cumulative College G.P.A.

The Weighted Cumulative College G.P.A. is calculated using the following scale and printed on the student's college transcript.

Letter Grade Equivalency	Numerical Grade	Regular Quality Points	College Prep. Quality Points	Honors Quality Points	AP Quality Points
A	90-100*	4	4.25	4.5	5
B	80-89	3	3.25	3.5	4
C	70-79	2	2.25	2.5	3
D	64-69	1	1.25	1.5	2
F	0-63	0	0	0	0

The College Board Advanced Placement™ Courses

The College Board Advanced Placement™ (AP) courses are college-level courses designed for students who are intrinsically motivated, self-disciplined, and willing to accept academic challenges. Advanced courses enable students to pursue college-level studies, strengthen study skills and build confidence for the next phase of their educational journey. Students successfully completing and earning a qualifying AP exam score may be eligible to earn college course advancement. Specific college guidelines may be found on the AP Credit Policy Database.

Advanced Placement courses are two consecutive semesters. Schedule changes may not be made after the third week of school; however, contingent upon a low semester average, a course change may be considered upon approval by the Administration.

Requirements for College Board Advanced Placement™ courses:

- Students must receive Departmental approval.*
- Students are required to take the College Board Advanced Placement Exam™.
- Students are responsible for the cost of the AP exam (approximately \$100.00), and the purchase of required AP textbooks/e-books/consumables, reference and resource materials (electronic and/or hard copy, as applicable), and resource fees. These fees are non-refundable.
- Students and parents must sign and submit a *Trinity Presbyterian School College Board Advanced Placement Course Student/Parent Agreement*.

*Refer to the individual AP course descriptions for other specific course prerequisites.

Sevenstar™ Direct Online Course Service

www.sevenstar.org

Sevenstar™ provides online courses for students that are both rigorous and taught with a biblical worldview. With administration approval, students may take courses through Sevenstar™ for the following situations:

- To recover credit replacing a failed course taken at Trinity
- To alleviate significant schedule conflicts
- To take a course not offered by Trinity that would have merit toward graduation
- To take a course level not offered by Trinity.

Students taking online courses are assigned to the Resource Specialist's room during the course's assigned class period. Regular reports on student progress are given to the Academic Dean. Course grading and credit is given by the Sevenstar™ instructor. Application to the student transcript is done by Trinity. Trinity will recognize AP and Honors courses taken through Sevenstar™ with the same quality point designation as those offered at Trinity. **Students are responsible for all course tuition and registration costs. Trinity will register and enroll the students. The tuition and registration costs will be billed to the student in the next billing cycle.** While significant discipline is necessary to complete online courses, many students find the benefits of such an experience rewarding and great preparation for college. Scholarly research suggests that most students in the current era will take at least one on-line course through their undergraduate experience, and many will take several online courses. Students who would like to explore Sevenstar™ courses should consult their division principal.

Sevenstar™ Courses for Consideration:

AP Art History

AP Computer Science

AP Macroeconomics*

AP U.S. Government & Politics*

AP Statistics*

Chinese I, II*

Latin I, II, III*

Forensic Science I, II*

Global Studies*

Marine Science*

Creative Writing*

Critical Thinking & Study Skills

Digital Information Technology

Digital Photography

Foundations of Programming

Game Design

Health: Life Management Skills

Introduction to Social Media

Leadership Skills Development

Mobile App Programming

Music Appreciation

Personal and Family Finance

Personal Fitness

Psychology*

ACT Prep.

SAT Prep.

Social Problems, I, II*

Theater, Cinema & Film Production

*NCAA Eligible

Christian Studies

Upper School students are required to complete one semester of Christian Studies each year. Students are required to have his/her own Bible.

Christian World View 9: 1 semester (Required)

In Christian World View students will learn to see and interpret our world through a biblical framework. The objective of this class is to behold the wonder of God in the world around us (Natural Revelation) and His Word (Special Revelation). Students will discover how the Christian is to relate to the world around us, namely the academic disciplines, the arts, athletics, current events and work. Students will also ponder how each of these areas display the Glory of God, how each has been affected by the fall, and how the redemption of Christ has affected our relationship with each.

World Religions and the Christian Faith 10: 1 semester (Required)

World Religions and the Christian Faith systematically goes through the major religions of this modern time. The purpose of this course is to help students gain a clearer understanding of the Christian faith, a general understanding of the major world religions, and an appreciation of Biblical Christianity's distinctiveness from other world religions.

Students will study the secular religions of Atheism, Agnosticism, Secular Humanism, and Existentialism. Students will compare and contrast Christianity specifically with Buddhism, Hinduism, and Islam and demonstrate an acquisition of knowledge as to the authors and main ideas of each religion. Students will look at contemporary issues and discuss culturally relevant topics as they analyze their own spiritual journey and worldview.

Apologetics and Ethics 11 and 12: 1 semester each year (Required)

The Greek word apologia translates to apologetics in English. This term has to do with defending one's beliefs or thoughts. Apologetics class allows students to study reasons why the Christian faith is true and develop compelling arguments to support their worldview. In 1 Peter, we are called to be ready to give a defense of the gospel whenever asked. Many Christians today believe faith and evidence are mutually exclusive, but the Christian faith is rooted in evidence. While there is no way to prove the Christian faith beyond a shadow of a doubt, Christians can offer very good reasons why it is true. Apologetics seeks to look closely at some of those reasons. Apologetics seeks to defend the essential components of Christianity based on evidence. Students determine what their worldviews are and seek to defend their belief system whether it is Christian or non-Christian. Students are free to acknowledge their doubts and frustrations about Christianity. Apologetics will address questions such as, "Is there a God?", "Are the Scriptures reliable?", and "Why is there evil, pain, and suffering in the world?"

In addition, during the junior and senior years at Trinity, students will engage the world of ethics. Ethics is the study of fundamental principles that define what is right and what is wrong. It is the application of truth. Ethics encourages students to consider ethical and moral issues facing our culture from a Biblical world and life view. Students will seek to understand how one's perception of truth affects thoughts, emotions, and behaviors as they strive to determine what is the ethical decision for personal and cultural issues in our world. "The end of the matter; all has been heard. Fear God and keep his commandments, for this is the whole duty of man." Ecclesiastes 12:13

Voices of Trinity: (Grades 9-12) *May substitute for Bible course**

Voices of Trinity is a concert choir that provides students the opportunity to glorify God through choral music. This course is designed to develop stronger musicians spiritually, vocally, and characteristically. Through the study of sacred text, students will engage in the history behind the composer, the culture, and the scripture from which the piece was written. In addition, students will develop a well-rounded sense of music appreciation as they sing vocal works

representing various genres and multicultural influences. They will develop skills in sight-singing, music theory, formal vocal technique, and musical elements that nurture a more formal choral experience. Their individual level of musicianship will be strengthened as they sing in a group context along with being provided opportunities to sing solos and in small ensembles. There is a class fee of \$15.

***Independent Study Summer Bible 9-12: Equivalent to 1 semester**

Completed application required with approval from the Head of Middle/Upper School

Independent Study Summer Bible content corresponds to the grade level they are foregoing the following year. (For reference see course overviews on the previous page of this Course Guide.) Coursework will be facilitated through Canvas and will involve reading, writing, quizzes, and two meetings with the instructor.

The nonrefundable cost for this class is \$510, billed on the June statement.

Independent Study Summer Bible is offered for those students trying to fit an extra semester class into their schedule for the following school year,

**Only two summer Bible or Voices of Trinity courses may be substituted for Bible in grades 9-12, once in 9th or 10th grade and once in 11th or 12th grade.*

Electives

ACT PREP

ACT Prep Course: 1 semester (Grades 10-12*)

The ACT Prep course is a semester course that prepares students for the ACT college entrance exam. Students will focus on the English, Reading, Math, Science and Writing content areas that are on the ACT. This is a pass/fail, .5 credit course.

The ACT English portion includes two broad categories: usage/mechanics skills and rhetoric. Usage and mechanics skills include punctuation, subject/verb agreement, and verb tenses. Rhetorical skills reference style, organization, and writing logic. Students will practice writing sentences in a paragraph, connecting two ideas together logically, and sequencing paragraphs together. This portion of the course will focus on reading comprehension and understanding the organization and style of a passage.

The ACT Reading portion is based on four topic areas: humanities, social studies, natural sciences, and prose fiction/literary narrative. The ACT Reading section has three areas of content: key ideas and details, craft and structure, and integration of knowledge and ideas. This portion of the course will address students' understanding of main ideas, their interpretation of detail, and the analysis of purpose and voice.

The ACT Math portion includes pre-algebra, elementary algebra, intermediate algebra, coordinate geometry, plane geometry, and trigonometry. This portion of the course will focus on problem solving, reasoning abilities, and pacing strategies.

The ACT Science portion includes biology, chemistry, physics, and earth sciences. This section of the course will focus on techniques and strategies to analyze content to find the focus questions pertaining to measurements, relationships between variables, and/or trends and patterns within the data presented. Student practice involves reading tables, graphs, and charts to analyze data and determine the emergent patterns. In Science, the emphasis is on developing scientific skills more than acquiring scientific knowledge.

The ACT Writing portion includes strategies to help students develop their analytical writing ability. Student practice involves addressing topics from multiple perspectives on common cultural debates as they work to organize and communicate ideas.

(*10th & 11th grade – either semester, 12th grade – fall semester only)

ATHLETICS

Athletics: 1 semester (Grades 9-12)

Athletics is an extracurricular sports program, based on organized, interscholastic competition and provides pre-, present-, and post-season training. Coaches work to instill character, integrity, and personal responsibility in each student athlete. The Athletics elective includes most competitive, interscholastic teams, as well as Cheerleading, and Dance Team. Team tryouts are held in most sports. Students on an extracurricular school-sanctioned team that practices during the athletics period receive ½ unit of Physical Education credit during the semester of participation.

Participating students must meet the Alabama High School Athletic Association eligibility requirements as well as individual team standards and requirements.

These athletic teams are not eligible for this class: *JV Cheer, JV Dance, JV Boys & Girls Soccer*

Strength and Conditioning: 1 or 2 semesters (9th – 12th JV and Varsity Student Athletes)

This course is designed to reinforce the proper guidelines, principles and techniques of weight lifting, and the development of muscular strength, endurance and power at an advanced level for in and out of season athletes. Students will have the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness, comprehensive weight training and cardiorespiratory endurance activities. All students will be provided with the necessary training on each specific exercise so that the exercise process can be safe and productive. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness and lifetime wellness.

COURSE OBJECTIVES

- Understand the components of physical fitness and how they relate to overall physical wellness.
- Understand the concept of total wellness and how weight training contributes to this.
- Demonstrate the basic fundamentals of weight training such as form, technique, spotting, breathing, and safety.
- Demonstrate proper warm-up and cool-down procedures specific to weight training.
- Demonstrate correct mechanical and physiological principles on all lifts.
- Consistently demonstrate correct and safe spotting techniques.

Varsity Cheerleading: Full Year (Grades 10-12)

Varsity Cheerleading is a fall and winter sport, with tryouts in the spring followed by training and camp in spring and summer. The squad will cheer for all football and basketball games during regular season and tournaments. Cheerleaders are athletes, role models and representatives of our school and will be held to an extremely high standard for discipline, respect and behavior at all times. They will condition as athletes, develop cheerleading skills, work as a team, lead their peers with school spirit, support all of Trinity's sports, and shine as representatives of Trinity all while glorifying God through their hard work and dedication.

COMMUNITY SERVICE

Service 101: 1 semester (Grades 10-11)

Requirements: Teacher approval. This classroom setting is one where responsibility is necessary, and discipline records will be checked.

Service 101 explores and participates in a variety of service opportunities throughout our school and community. Students learn to develop and implement service ideas and hone leadership skills as they plan and work effectively with others. The overall purpose is to foster a heart for service and a desire to give back as seen through a Biblical world view. Students must be willing to speak publicly. *This class will be limited to 15 students.*

INNOVATIVE SCIENCES

Makerspace Engineering II-Digital Making: 1 semester (Grade 9 only)

Makerspace Engineering II is designed to be a *STEAM* (Science, Technology, Engineering, Art, and Math) class providing students with an introduction to the Engineering Design Process. Working either collaboratively or independently, students will gain valuable experience using digital tools to build both pre-designed and self-designed projects. A student's creativity, critical thinking, and perseverance will be challenged as DIY meets education! *There is a \$20 fee for this class.*

This class will be limited to 15 students each semester.

Robotics I: 1 semester (Grades 9-12)

Robotics I introduces the student to basic programming as well as problem-solving strategies through the use of LEGO™ robotics. During this process, students learn the engineering method, programming robotics using Robot language, and teamwork. Robotic design projects include, building a robot, programming for motion, timing, motor control, logic gates and using sensors. There is a class fee of \$15 for materials. *This class will be limited to 16 students.*

Robotics II: 1 semester (Grades 10-12)

Prerequisite: Robotics I and teacher approval

Robotics II is a continuation of Robotics I and will concentrate on the coding aspect of robotics and complex problem solving. Students research problems and develop solutions using LEGO™ robots. The engineering method involves studying a problem, designing a solution and testing, which leads to team competitions. There is a class fee of \$15 for materials. *This class will be limited to 16 students.*

Robotics III: 1 semester (Grades 10-12)

Prerequisite: Robotics II and teacher approval (class size limited)

Robotics III students will construct and program complex robots as well as work with programming drones. There is a class fee of \$15 for materials.

FINE ARTS

DANCE

Dance Ensemble I: (Grades 6-12)

Requirements: Audition and Director approval

Dance Ensemble I is designed to offer the student a ballet-based technique. This class will offer the student knowledge of ballet, preparing them with pre-pointe work, jazz, hip-hop, modern dance, dance history, stage etiquette, and ballet terminology. Trinity Dance Ensemble I is designed for the performer and will give these dancers a basic foundation of the many different styles of dance offered at Trinity. This is a full year course. *There is a \$100 class fee for costume rental and cleaning. Students purchase tights, leotards, shoes and skirts as specified by Director.*

Dance Ensemble II: (Grades 6-12)

Requirements: Audition and Director approval

Dance Ensemble II is designed to offer the student a ballet-based technique to continue to expand upon the development of the dancer. This class will deepen the student's knowledge of ballet, preparing them with pointe work, jazz, hip-hop, modern dance, dance history, stage etiquette, and ballet terminology. Trinity Dance Ensemble II is designed for the performer and will give these dancers a deeper foundation of dance while focusing on the use of

epaulement in their technique and stage presence. This is a full year course. *There is a \$100 class fee for costume rental and cleaning. Students purchase tights, leotards, shoes and skirts as specified by Director.*

Dance Ensemble III: (Grades 6-12)

Requirements: Audition and Director approval

Dance Ensemble III is designed to offer the student a ballet-based technique to begin the development of a more serious dancer. This class will continue to offer the student knowledge of ballet, preparing them with pointe work, jazz, hip-hop, modern dance, dance history, stage etiquette, and ballet terminology. Trinity Dance Ensemble III is designed for the performer and will give these dancers a deeper understanding of dance as an artist. They will begin to look at Choreography, and what goes into this creative process. This is a full year course. *There is a \$100 class fee for costume rental and cleaning. Students purchase tights, leotards, shoes and skirts as specified by Director.*

Dance Ensemble IV: (Grades 9-12)

Requirements: Audition and Director approval

Dance Ensemble IV is designed to offer the student a ballet-based technique for the serious dancer. This class will expand upon the student's knowledge of ballet, pointe work, jazz, hip-hop, modern dance, dance history, stage etiquette, and ballet terminology. Trinity Dance Ensemble IV is designed for the performer and will prepare these students for the stage as well as dance at the college or professional level. These students will begin to work on their portfolio as a dancer, choreographer, teacher and performer. This is a full year course. *There is a \$100 class fee for costume rental and cleaning. Students purchase tights, leotards, shoes and skirts as specified by Director.*

Dance Ensemble V: (Grades 9-12)

Requirements: Audition and Director approval

Dance Ensemble V is designed to offer the student a ballet-based technique for the serious dancer. This class will continue to expand upon the student's knowledge of ballet, pointe work, jazz, hip-hop, modern dance, dance history, stage etiquette, and ballet terminology while focusing largely on the performance aspect. Trinity Dance Ensemble V is designed for the performer and will prepare these students for the stage as well as dance at the college or professional level. These students will continue to grow their portfolio as a dancer, choreographer, teacher and performer as well as prepare works for future auditions. This is a full year course. *There is a \$100 class fee for costume rental and cleaning. Students purchase tights, leotards, shoes and skirts as specified by Director.*

Honors Dance Ensemble V/VI, VI: (Grades 9-12)

Requirements: Audition and Director approval

Dance Ensemble VI is designed to offer the student a ballet-based technique for the serious dancer. This class will continue to expand upon the student's knowledge of ballet, pointe work, jazz, hip-hop, modern dance, dance history, stage etiquette, and ballet terminology while focusing largely on the performance aspect. Trinity Dance Ensemble VI is designed for the performer and will prepare these students for the stage as well as dance at the college or professional level. These students will work on student works as choreographers, performers and teachers. This is a full year course. *There is a \$100 class fee for costume rental and cleaning. Students purchase tights, leotards, shoes and skirts as specified by Director.*

Varsity Dance Team: Fall semester only (Grades 9-12)

Varsity Dance Team is an audition-based performance team. The team primarily performs movements of jazz and hip-hop styles of dance. This technique class covers fundamentals as well as technical elements that are incorporated into their dance performances. They perform at football, basketball, sidelines and pep rallies. This is a performance group; therefore, much time is focused on collaboration, technique and performance preparation.

Wildcat Twirlers: Fall semester only (Grades 7-12)

Requirements: Audition and Department approval

The Wildcat Twirlers are general members of the Wildcat Pride Marching Band who specialize in the majorette and colorguard arts. The Wildcat Twirlers are held to the same standards, expectations, and representation of instrumentalists in the band program. All Wildcat Twirlers must attend the Spring Colorguard Clinic in April/May at Trinity Presbyterian School and a majorette summer camp to be decided by the Twirler Sponsor. *Students will be responsible for the purchase of uniforms, accessories and equipment as applicable.*

There will be a 2-day clinic this spring:

Parent Meeting: April 12, 3:15-3:45pm

Clinic 1: April 21, 3:15-5:15pm

Clinic 2: April 22, 3:15-5:15pm

Summer rehearsals, as well as before and after school rehearsals, are mandatory.

INSTRUMENTAL MUSIC

Marching/Symphonic Band (Grades 7-12)

Prerequisites: Prior Band Experience & Director Approval

Symphonic Band is a full-year course, with an emphasis on Marching Band in the fall semester after school. The class provides instrumental students the opportunity to develop, expand, and challenge their individual skill level. This is done through performing concerts and competitions on a varied array of concert band literature. Marching Band is one of the most visible performing groups at Trinity, providing halftime entertainment, support, and spirit at football games. In addition, the band takes pride in participating in competitions across the Southeastern United States and performing at various community and civic events.

Summer rehearsals, as well as before and after school rehearsals, are mandatory.

Symphonic Band and Marching Band perform music at the high school level. Students in grades 7 and 8 are eligible to audition for acceptance into each ensemble if they have displayed admirable work ethic and dedication to their musicianship.

Guitar I – Beginning Guitar: (Grades 6-12)

Guitar is designed to give students the opportunity to learn guitar with little or no prior musical experience. Students will learn and develop the basics of playing the instrument, different musical styles, how to read music, and how to perform. Students may purchase their own instrument or instruments may be issued from the band program (issuing option limited by instrument and demand). Performance opportunities for this class will come primarily from performances at the Christmas and Spring Concerts, Solo and Ensemble in May, and festivals.

Guitar II – Intermediate Guitar – (Grades 6-12)

Intermediate Guitar is designed to further the skill of playing the guitar. This course is open to students who have some experience with the guitar. Performance opportunities for this class will come primarily from performances at the Christmas and Spring Concerts, Solo and Ensemble in May, and festivals.

VOCAL

Trinity Show Choir: (Grades 9-12)

Requirements: Dance and Vocal Audition

Trinity Show Choir is designed for students with ambition and ability to sing and dance. Students are accepted into the choir after passing a two-part audition process (dance and vocal). Vocal and breathing techniques are taught to assure production of proper singing in various styles and physical stamina. Students progress each year in their knowledge of music theory, sight-singing, vocal styling alongside dance terminology and dance technique. From a biblical worldview perspective, students will engage in discussions about cultural aesthetics in song and dance. Students are provided opportunities throughout the school year to sing for community events, social gatherings and school functions. *(Students are responsible for purchasing performance attire for approximately \$200)*

Voices of Trinity: (Grades 9-12) *May substitute for Bible course**

Voices of Trinity is a concert choir that provides students the opportunity to glorify God through choral music. This course is designed to develop stronger musicians spiritually, vocally, and characteristically. Through the study of sacred text, students will engage in the history behind the composer, the culture, and the scripture from which the piece was written. In addition, students will develop a well-rounded sense of music appreciation as they sing vocal works representing various genres and multicultural influences. They will develop skills in sight-singing, music theory, formal vocal technique, and musical elements that nurture a more formal choral experience. Their individual level of musicianship will be strengthened as they sing in a group context along with being provided opportunities to sing solos and in small ensembles.

There is a \$15 fee for this class.

**Only two summer Bible or Concert Choir courses may be substituted for Bible in grades 9-12, once in 9th or 10th grade and once in 11th or 12th grade.*

INTERNSHIP

Internship: 1 semester (Grades 11-12) (Completed application and administrative approval required)

Internship is designed to provide opportunities for students who want to gain practical experience in a field of study related to his/her career choice. On campus opportunities are available for juniors and seniors who are interested in a specific area of the school community; however, off-campus internships will be available ONLY to seniors. It is the student's responsibility to secure the internship. The Internship Coordinator and Principals will review all internship proposals for final approval before the beginning of the semester.

Students will be representing Trinity School in the community; therefore, students will be interviewed for acceptance. Students must also demonstrate a serious attitude regarding the purpose of the program. **Internships with family members will not be allowed.** Requirements include, but are not limited to:

- 5 hours per week/80 hours per semester (18 weeks)
- Create a portfolio of the internship experience
- Document hours completed weekly
- Communicate with Internship Coordinator and Internship Supervisor on a routine basis

A grade of "pass" or "fail" will be awarded at the end of the semester.

MEDIA ARTS

Sports Broadcasting: 1 semester (Grades 9-12)

Students will learn to produce live sports events and a sports studio show. Students will work behind and in front of the camera, in production and on-air roles, which will include: play-by-play announcer, color analyst, sideline reporter, and studio show host and analyst. They will also learn skills in writing, video equipment operation and editing. Students will be required to work at certain athletic events. *This class will be limited to 15 students.*

Broadcasting and Digital Video (Level I, II, III, IV): 1 semester (Grades 9-12)

Broadcasting and Digital Video students will learn to plan, write, video, and edit a school video broadcast. Each student will get a chance to perform each of those production duties as well as appearing on camera for a broadcast. They will also support the school when an event needs to be taped and edited.

This class will be limited to 15 students.

Computer Graphics: 1 semester (Grades 9-12)

Computer Graphics students will create personal graphics, illustrations, and web-based designs using the Adobe Creative Suite™. They will learn about the two major graphic groups: vector and pixel.

Survey of American Film I, II: 1 semester each level (Grades 11-12)

Survey of American Film explores mainstream American cinema within a cultural and historical context. It focuses on the characteristics of Hollywood storytelling and visual style in film genres (such as romantic comedies, Westerns, and film noir), which not only entertain audiences but also mirror American attitudes and values. The screening list includes classic and contemporary American films and film excerpts. Students successfully completing these courses acquire a deeper understanding of how American movies shape and reflect American culture.

Each level of this course fulfills the Fine Arts/Humanities requirement for graduation.

Honors Yearbook Publishing: (Grades 9-12)

Requirements: Sponsor approval

Honors Yearbook Publishing is responsible for the design and production of the Trinity Presbyterian School *Crusader*. All phases of publishing the yearbook will be taught, including feature writing, photography, design layouts using Herff Jones eDesign™, and selling advertisements. Students accept leadership roles that demonstrate communication and organizational skills and work collaboratively and independently to successfully meet non-negotiable deadlines established throughout the year. This class requires a significant time commitment outside of class documenting events occurring after school hours. **All students will be required to sell a yearbook ad.** *Class size is limited.*

SOCIAL STUDIES

The World Must Know - Holocaust Studies: 1 semester elective (Grades 11-12)

Prerequisites: Successful completion of World History II or AP European History with an 85 average or above.

The World Must Know-Holocaust Studies provides students with an in-depth study of the Holocaust focusing on decisions that led individuals, groups, and nations to act or not to act, which also presents insight into history and human nature. The student will investigate the collaboration and complicity emphasizing tolerance, respecting the values, religion, heritage, and ethnicity of others, the danger of conformism, and the loss of self due to succumbing to

mob mentality by allowing the student to consider the many factors and events that contributed to the Holocaust. The student will examine diverse literary interpretations including memoirs, fiction, drama, advertising/propaganda, and political writing. Students should expect an extensive and complex reading load.

This course fulfills the Fine Arts/Humanities requirement for graduation.

***College Board Advanced Placement™ (AP) History of Art: (Grade 12)**

See general requirements on p. 8, and

Application submitted online to Montgomery Museum of Fine Arts

(Also available through Sevenstar™ - see www.sevenstar.org for course description)

AP History of Art is offered at the Montgomery Museum of Fine Arts. In this global survey, students explore the creations of a variety of eras and cultures. Artistic traditions are examined as reflections of society, and students enjoy observing daily life in the present with an enhanced understanding of art history. The class has the advantage of being able to interact with the Museum's collection, exhibitions, and visiting speakers. Students are required to take the Advanced Placement History of Art Exam™ offered in May by the College Board, which awards college credit for the course.

This course fulfills the Fine Arts/Humanities requirement for graduation.

***All local high school students are eligible to apply; the class meets daily at 7:25 a.m.**

Apply online at mmfa.org

THEATRE

Set Design: 1 or 2 semesters (Grades 9-12)

Requirement: Teacher Approval

Set Design introduces students to the history of theatrical design and production along with basic related terminology to set design and set production. Students will create work both independently and in collaboration to create the primary visual environment for the annual school theatre production as well as other school events and performances. Tasks are assigned based upon goals that reflect the set designer's balance of aesthetic design concept, style, tone of production, time period, and location, along with other practical considerations. Students will contribute to the design, coordination and integration of the set in their respective areas of design and construction assignments including scenic painting, and props. Students will be exposed to a professional theatre through an ASF backstage tour and seminars by ASF staff.

There is a \$25 fee for this class.

***Set Construction: 1 or 2 semesters (Grades 10-12)**

Requirements: Teacher Approval

Set Construction introduces students to the history of theatrical design and production along with basic related terms. Students will participate in all aspects of Set Construction from building to the striking of the set and props for the annual school theatre production and other school events based on the design set forth by the Set Design class. Students will work independently and/or in collaboration on assigned tasks. Students will be exposed to a professional theatre and the construction processes through an ASF backstage tour and seminars by ASF staff. *There is a \$25 fee for this class.*

***Note:** It is required that all students attend and successfully complete a Power Tool 101 session, and must have a signed permission form in order to operate power tools in the building process.

Theatre Arts: (Grades 9-12)

Theatre Arts is designed to nurture students' ability to speak and perform in a public forum. They are provided the opportunity to mature their skills, knowledge and experience as actors. Students are active in improvisation, character development, script analysis, collaboration, and production. They gain experience in monologue creation, scene sequence, video production and more in-depth concepts of theatrical aesthetics and artistic choices. Encouraged from a biblical worldview, students describe their stance on morality pertaining to script and acting. Students will perform one show per semester.

VISUAL ARTS

Intro to Interior Design & Architecture I, II: 1 semester (Grades 9-12)

Intro to Interior Design & Architecture will be introduced to the fundamentals of this specialized field of design and explore the education and career options as it relates to art. Students will experience instruction in basic design drawing, model making, studio projects, and in-studio critiques. Studio problems develop awareness, knowledge, and basic skills in the use of scale and synthesis of model building. Students will study design history, theory, and the practices of leaders in the field, including case studies of individual and corporate firms in the industry. Field trips and guest speakers will expand student knowledge in the field of study and careers opportunities. This program will be enhanced through a partnership with Auburn School of Architecture Design and Construction. *There is a \$25 fee for this class.*

Fundamentals in Art: 1 semester (Grades 9-12)

The Drawing portion of Fundamentals in Art provides instruction in drawing as an art form and expressive medium. Students will gain a basic understanding of drawing by making marks and responding to them. Students will be introduced to the drawing process, the language of descriptive and expressive drawing, and drawing relationships. Through experimentation, students will develop a studio practice using a variety of wet and dry, traditional as well as non-traditional media.

The Design portion of Fundamentals in Art introduces the core concepts of visual design — visual elements, principles of design and the creative process. Composition issues and strategies valid in all areas of visual design are explored through examples, exercises, class project assignments, independent assignments, and critiques.

The Painting portion of Fundamentals in Art allows students to explore painting as a language and be introduced to a range of basic painting techniques and materials, as well as a systematic exploration of how materials techniques and formal elements combine with cognitive meaning. A theoretical and historical exploration of color theory and the role of color in the visual arts are integrated into the studio experience, as well as expanded forms and ideas of painting within a contemporary context.

The Sculpture portion of Fundamentals in Art gives students the opportunity to work with a variety of media and complete sculptural projects to learn how to manipulate 3-D forms and space. Creative problem solving skills, including research, idea generation, support drawings and maquettes, are used to develop concepts and design plans. The integration of presentation options and craftsmanship with the concept is emphasized. The analysis and critique of three-dimensional work develops vocabulary and critical thinking skills. Taking sculpture one step further, fabrication, construction and materials will be dealt with as students will, through hands-on experience, learn appropriate uses of tools and techniques to realize the expressive qualities of sculptural forms.

The Mixed Media portion of Fundamentals in Art will explore a variety of mixed-media art forms and techniques. Students develop their own personal style and voice through a variety of visual concepts, methods, techniques and approaches.

There is a \$35 fee for this class.

Advanced Art: 2 semesters (Grades 10 – 12)

Requirements: Instructor approval

This advanced class will be based on studio practice. With a foundation established in lower level classes, a student's goals, objectives and personal vision will be identified and encouraged. The student's working processes and methodology in the studio will be developed and examined in such a way as to provide solutions to goals. Exploration and experimentation will be a focus across a diverse range of media specific to a student's personal investigation. Development of technical skills will be pursued and applied in the studio practice.

There is a \$35 fee for this class.

College Board Advanced Placement™ (AP) Studio Art Drawing, 2D or 3D: 2 semesters

Requirements: Instructor approval

The AP Studio Art program makes it possible for highly motivated high school students to do college-level work in a studio-based classroom setting. The AP Studio Art evaluation in May is based on the submission of a portfolio, not a written exam. The AP Program offers three portfolios: Drawing, 2-D Design, and 3-D Design. The portfolios share a basic, three-section structure, which requires the student to show a fundamental competence and range of understanding in visual concerns and methods. *There is a \$35 fee for this class. This course fulfills the Fine Arts/Humanities/Computer requirement for graduation.*

**The AP student, upon enrolling in AP Studio Art, agrees to take the mandatory AP Studio Art exam by submitting their portfolio in May. Students will receive their scores in July.*

Additional electives available through Sevenstar™ (see www.sevenstar.org for detailed course descriptions):

--Must have administrative approval

--Students responsible for all course tuition costs

AP Art History: 1 semester or full year

AP Computer Science: 1 sem. or full year

AP Statistics: 1 semester or full year *

Creative Writing: 1 semester *

Critical Thinking & Study Skills: 1 sem.

Digital Information Technology: Full year

Digital Photography: 1 semester

Forensic Science I, II: 1 semester each *

Foundations of Programming: 1 sem./yr.

Game Design: 1 semester

Global Studies: 1 semester or full year *

Health: Life Management Skills: 1 sem.

Introduction to Social Media: 1 semester

Leadership Skills: 1 semester or full year

Marine Science: 1 semester or full year *

Mobile App Programming: 1 semester

Music Appreciation: 1 semester

Personal and Family Finance: 1 semester

Personal Fitness: 1 semester

Psychology: 1 semester *

ACT Prep: 1 semester

SAT Prep: 1 semester

Social Problems I, II: 1 semester each *

Theater, Cinema & Film Prod.: 1 sem.

*NCAA Eligible

English

English 9

English 9 is the foundational year of high school language arts instruction with emphasis placed on reading, expository writing, critical thinking, speaking and listening. The course will cover various genres of literature, writing techniques and conventions, vocabulary development and grammar usage and mechanics.

Honors English 9

Prerequisites:

- Students have a 90% or above in their 8th grade English class. Decisions will be based on what constitutes each student's average on May 1st of their 8th grade year.
- Their standardized English test scores are in the 70th percentile.
- The student has submitted an essay to the 9th grade honors teacher in the spring of their 8th grade year. The topic and due date will be provided in their 8th grade English classes (exceptions will be made for students who enroll at Trinity in the summer before their 8th grade year.)

Honors English 9 emphasizes an in-depth analysis of World Literature and an introduction to the rhetorical principles of effective writing. Students will become critical readers and analyze literature beyond simple comprehension and literal interpretation. Students will have writing assignments and projects and participate in discussions that relate to the literature studied. The course provides diversified writing experiences, including general and specific themes, timed essays, and critical analysis. Reading requirements exceed those of English 9. Students may be required to purchase additional paperback books for this course.

English 10

English 10 continues the expository writing and World Literature study begun in the ninth grade with emphasis placed on applying grammatical and rhetorical principles to writing and more in-depth study of literary terms and themes as well as an emphasis of non-fiction genres. Vocabulary development and novels for outside reading comprise the remainder of the course.

Honors English 10

Prerequisites:

- Students will have a 93% or above in regular English 9 (when averaged on May 1st.)
- Their standardized English test scores will be in the 70th percentile.
- Students have exhibited a strong work ethic and a cooperative mindset within their regular English classes.

Honors English 10 emphasizes a continuation of an in-depth analysis of World Literature and continuation of the study of rhetorical principles of effective writing. It assumes a higher level of literacy and verbal sophistication by students than the traditional English 10 program. This course focuses more intensely on interpretation of thematic concerns that appear throughout the study of literature. Students will be introduced to the usage of literary terms for reading, analyzing, and utilizing literary criticisms. The course will be centered upon students examining works of literary merit thematically and stylistically within the framework of a particular literary genre. Reading requirements exceed those of English 10 to prepare students for AP English classes. Students may be required to purchase additional paperback books for this course.

English 11

English 11 focuses on the study of American Literature and the application of rhetorical principles of effective writing, and a research paper is a major semester project. Vocabulary development and outside reading are regularly assigned.

College Board Advanced Placement™ (AP) English Language and Composition

See general requirements on page 8, and

- Students have an “A” or “B” in Honors English 10 (when averaged on May 1st)
- Students scored in the 80th percentile on the verbal or writing portion of the PSAT
- Students have exhibited a strong work ethic and a cooperative mindset within their honors English class.

AP English Language and Composition offers an intensive exploration of composition and literature, focusing on elements of form, style, rhetorical devices, and authorial purpose and choices. Students examine works in many genres: nonfiction, fiction, and other diverse kinds of writing including speeches, memoirs, advertising, and political writing. By studying these works closely and writing extensively about them, students hone their own writing style. Students are required to purchase their textbooks for this course.

English 12

English 12 focuses on the study of British Literature with emphasis placed on applying literary terms and themes. Composition assignments are frequent, and a research paper is a major semester project. Vocabulary and outside reading are regularly assigned. This class is a demanding course designed to prepare the students fully for college freshman English.

College Board Advanced Placement™ (AP) Literature and Composition

See general requirements on page 8, and

- Students have an “A” or “B” in Honors English 10 (when averaged on May 1st.)
- Students scored in the 80th percentile on the verbal or writing portion of the PSAT.
- Students have exhibited a strong work ethic and a cooperative mindset within their honors English class.

AP Literature and Composition is designed for students who are capable of doing college-level work in English while they are in secondary school. Students must be willing to devote the energy necessary to complete a course more rigorous and demanding than other high school English courses designed for the college-bound student. This course emphasizes critical reading of imaginative and discursive literature, the analysis and evaluation of the literature, and writing appropriately for the different occasions. Due to the heavy reading requirements for AP English Literature and Composition, the AP student must be committed to completing reading assignments and to purchasing additional trade books during the year. Although the reading and composition requirements for AP English Literature and Composition are challenging, the course offers a stimulating experience for the highly motivated and academically talented student.

Speech Communications: 1 semester (Grades 9 – 12)

The purpose of this course is to prepare students for public speaking requirements in college by equipping them to become more effective public speakers. Students will learn the fundamentals of successful public speaking, the most commonly presented types of speeches and how to properly prepare for such speeches. In addition, students will study and enact oral interpretation performances (involving both poetry and prose) to develop effective, expressive vocal expression and to sharpen basic written and oral communication skills.

Foreign Language

FRENCH

French I: (Grades 9-12)

A parent may request that a student wait to begin the study of a foreign language until 10th grade.

French I introduces the student to French language and culture; it develops elementary proficiency in listening comprehension, speaking, reading, and writing. The course work includes grammatical structures, vocabulary, basic conversational idioms, and a study of Francophone customs, everyday life, and civilization. Students take the National French Exam™ in the spring.

French II: (Grades 10-12)

Prerequisite: French I

French II provides a more in-depth study of grammar, conversation, culture, and reading. Students read a novel (in translation) by a major French author as an introduction to French literature. Students take the National French Exam™ in the spring.

French III (*this course receives Honors quality points*)

Prerequisite: French II and teacher approval

French III involves a further study of grammar, reading, writing, and conversation, and a study of some of the major regions of France. Second semester the students read a short novel in French. Students take the National French Exam™ in the spring.

This course fulfills the Fine Arts/Humanities/Computer requirement for graduation.

French IV (*this course receives AP quality points*)

Prerequisite: French III and teacher approval

French IV includes a study of advanced French grammar, a chronological survey of French history, readings in French literature, more variety in types of writing, and conversation. Students take the National French Exam™ in the spring.

French V (*this course receives AP quality points*)

Prerequisite: French IV and teacher approval

French V is an in-depth study of composition, conversation, and literature. This course is available only for students who transfer from a school on a different track. Students take the National French Exam™ in the spring.

SPANISH

Spanish I: (Grades 9-12)

A parent may request that a student wait to begin the study of a foreign language until 10th grade.

Spanish I builds a foundation for communication by learning vocabulary and grammar by developing skills in speaking, listening, reading, and writing. As an integral part of this language study, Hispanic culture and customs will be discussed. Students take the National Spanish Exam™ in the spring.

Spanish II: (Grades 10-12)

Prerequisite: Spanish I

Spanish II offers a more in-depth study of grammar, reading, writing, speaking, listening and culture. The course includes various aspects of Spanish and Latin American culture. Students take the National Spanish Exam™ in the spring.

Spanish III (*this course receives Honors quality points*)

Prerequisite: Spanish II and teacher approval

Spanish III provides a review of all fundamentals of Spanish I and II and emphasizes mastery of the language. This course offers a continued study of grammar, speaking, listening, reading, and writing. The study of culture is woven into the different aspects of the course. Students take the National Spanish Exam™ in the spring.

This course fulfills the Fine Arts/Humanities/Computer requirement for graduation.

Spanish IV (*this course receives AP quality points*)

Prerequisite: Spanish III and teacher approval

Spanish IV includes a study of advanced Spanish grammar and stresses vocabulary building, speaking, and writing. The Spanish literature read and discussed will include short stories from various Hispanic countries. Students will take the National Spanish Exam™ in the spring.

Spanish V (*this course receives AP quality points*)

Prerequisite: Spanish IV and teacher approval

Spanish V is an in-depth study of composition, conversation and literature in Spanish. This course is available only for students who transfer from a school on a different track. Students will take the National Spanish Exam™ in the spring.

Available through Sevenstar™ (see www.sevenstar.org for detailed course descriptions):

--Must have administrative approval

--Students responsible for all course tuition costs

Chinese I, Chinese II, Chinese III

German I, German II, German III

Latin, I, Latin II, Latin III

Humanities – The Cultural Accomplishments of Humankind: 1 semester (11th grade)

This humanities course is a study of those accomplishments of man that raise him above the level of existence and add quality to his life. Designed with an historical base, this course will cover topics pertinent to the time period, such as art, architecture, literature, music, church history, and prevalent philosophies of the day. *This course fulfills the Fine Arts/Humanities credit for graduation.*

Note: A student failing to meet the required average for a specific course will be advised accordingly as to the best course option moving forward. A student failing to meet the minimum average may have the option of completing a course supplemental program over the summer. Upon completion of the supplemental program, the student must demonstrate content/skill mastery as designated by the department on a comprehensive assessment at a specified time. This assessment will be given prior to the beginning of school.

Trinity requires all students to take four years of math beginning in the 9th grade.

Algebra I

Algebra I for ninth grade provides enhanced mastery in the basics of algebra and the skills needed to succeed in upper level math courses. This course emphasizes the real number system, graphing, polynomials, factoring, linear equations, systems of linear equations and solving inequalities. The course accentuates the process of problem solving and critical thinking through the application of algebra concepts to real world situations.

Algebra I is a pivotal course in math education and the foundation for all future math classes. Students taking Accelerated Algebra I in the eighth grade must have at least an 85% average for the year, with no lower than an 85% average for second semester. Eighth grade students not meeting the minimum 85% average will be required to take Algebra I in the ninth grade.

Geometry

Prerequisite: The student must have completed Algebra I.

Geometry is a study of Euclidean geometry, which emphasizes logical deductive reasoning skills. Major topics include linear, area and volumetric analysis of lines, planes, triangles, polygons, and circles. Algebraic, angle, and segment proofs are covered. Geometric constructions with a compass and straightedge are studied, along with area and volume. Supplemental resources are integrated into the curriculum for enrichment and review.

Honors Geometry

Prerequisites:

- The student must have a minimum average of 85% in Accelerated Algebra I-8, and no lower than an 85% average for the second semester.
- Departmental approval.

Honors Geometry is a study of Euclidean geometry, which emphasizes logical deductive reasoning skills. Major topics include linear, area, and volumetric analysis of lines, planes, triangles, polygons, and circles. Algebraic, angle, and segment proofs are completed in depth. Geometric constructions with a compass and straightedge are studied, along with area and volume. This course provides a more in-depth use of geometric material and then supplements a review of Algebra I concepts in preparation for Honors Algebra II with Trigonometry.

Algebra II

Prerequisites:

- The student must have completed Algebra I and Geometry.
- Departmental approval.

Algebra II is an extension of the Algebra I curriculum. This course continues the study of concepts first introduced in Algebra I that require higher order thinking skills. Major topics include real numbers, linear equations and inequalities, linear systems, exponents and polynomials, quadratic and polynomial functions, rational expressions, logarithms, radicals, and statistics and probability.

Algebra II with Trigonometry

Prerequisites:

- The student must have completed Algebra I
- The student must have a minimum average of 80% in Geometry, and no lower than an 80% average for the second semester.
- Departmental approval.

Algebra II with Trigonometry is an in-depth study of concepts and skills of Algebra I. Additional content includes: functions, quadratic functions, polynomial functions, logarithmic and exponential functions, radicals, and linear algebra. This course also introduces advanced trigonometry concepts and skills needed in higher-level courses. Students taking this course should have mastery of foundational math skills, higher-level thinking capabilities, be intrinsically motivated to accept challenges, and have a strong desire to learn.

Honors Algebra II with Trigonometry

Prerequisites:

- The student must have completed Accelerated Algebra I-8
- The student must have a minimum average of 85% in Honors Geometry, and no lower than an 85% average for the second semester.
- Departmental approval.

Honors Algebra II with Trigonometry is an in-depth study of concepts and skills of Algebra I. Additional topics include: functions, quadratic functions, polynomial functions, logarithmic and exponential functions, radicals, and linear algebra. This course also introduces advanced trigonometry concepts needed in higher-level courses. An emphasis is placed on application of topics in real world settings. Students taking Honors Algebra II with Trigonometry should have exceptional math skills, higher-level thinking capabilities, and be intrinsically motivated to accept challenges at a faster and more rigorous pace than Algebra II with Trigonometry.

Algebra III with Trigonometry

Algebra III with Trigonometry is designed to extend the student's understanding of mathematics by building on the foundation developed in Algebra II. The course is designed to help students apply mathematical skills to develop meaningful connections so that numbers make sense. Basic trigonometry is introduced and studied in depth during the first semester, along with trigonometry functions and identities. The second semester is a more advanced study of the algebraic skills and concepts taught in Algebra II. Topics include equations and inequalities, functions, exponents, logarithms, systems of equations, probability, polynomials, and solving and graphing quadratic equations.

Pre-Calculus

Prerequisites:

- The student must have completed Geometry.
- The student must have a minimum average of 70% in Algebra II/Trigonometry, and no lower than a 70% average for the second semester.
- Departmental approval.

Pre-Calculus continues the study of intermediate algebraic concepts and skills, while introducing students to the techniques needed to succeed in higher level mathematics. Topics include simplifying expressions, solving equations and inequalities, functions, graphing, transformations, higher degree polynomial functions, inverse functions, exponential and logarithmic functions, and trigonometry. Students will learn and apply fundamental identities and the Unit Circle to a variety of problems, apply transformations to graph trigonometric functions and will be expected to apply other trigonometric identities (addition/subtraction, double & half angle formulas, sum-to-product, and product-to-sum) to solve a variety of problems. *Each student is required to purchase a graphing calculator as specified by the teacher.*

Honors Pre-Calculus

Prerequisites:

- The student must have completed Honors Geometry.
- The student must have a minimum average of 75% in Honor Algebra II with Trigonometry, and no lower than an 75% average for the second semester.
- Departmental approval.

Honors Pre-Calculus continues the study of intermediate algebraic concepts, while introducing students to the techniques needed to succeed in higher-level mathematics. Topics include simplifying expressions, solving equations and inequalities, functions, graphing, transformations, higher degree polynomial functions, inverse functions, exponential and logarithmic functions, and trigonometry. Students will learn and apply fundamental identities and the Unit Circle to a variety of problems, apply transformations to graph trigonometric functions and will be expected to apply other trigonometric identities (addition/subtraction, double & half angle formulas, sum-to-product, and product-to-sum) to solve a variety of problems. *Each student is required to purchase a graphing calculator as specified by the teacher.*

Honors Calculus

Prerequisites:

- The student must have a minimum average of 70% in Pre-Calculus for the year, and no lower than a 70% average for the second semester.
- Departmental approval.

This course is for students who want an introductory Calculus course but do not feel that AP Calculus would be beneficial to their studies now or in the future. Honors Calculus covers the broad topics of limits, differentiation, integration, and applications of differentiation and integration, including business-based applications. *Each student is required to purchase a graphing calculator as specified by the teacher.*

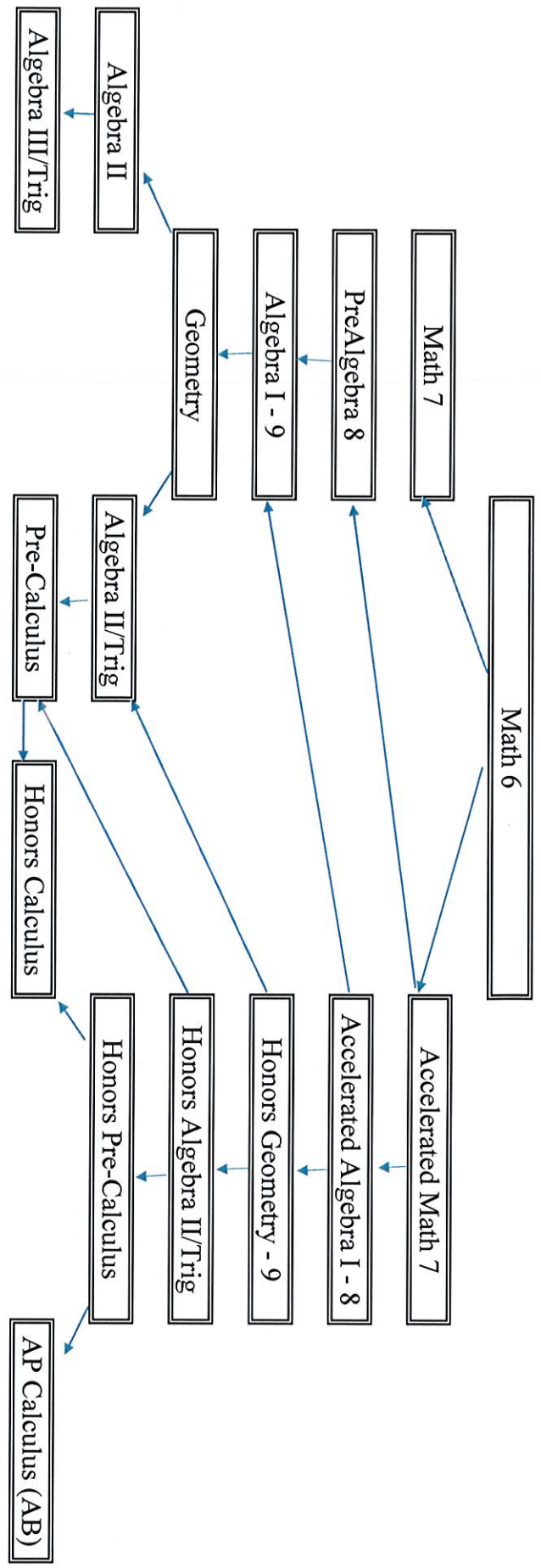
College Board Advanced Placement™ (AP) Calculus AB

Prerequisites:

- The student must have a minimum average of 85% average in Honors Pre-Calculus for the year, and no lower than an 85% average for second semester. (Pre-Calculus students may move to AP Calculus with a minimum average of 95% for the year, and no lower than a 95% average for the second semester.)
- Departmental approval.

Advanced Placement (AP) Calculus AB is a college level course covering the broad topics of limits, differentiation, integration, and applications of differentiation and integration. These broad topics are covered in ways that position students for success on both the AP exam in May and college mathematics. The content details are given by the College Board and is updated as the College Board makes changes. Successful students are highly motivated, persistent workers who embrace a challenge. A graphing calculator is required for this course. This class is designed to be academically challenging, to prepare the student for college coursework, and it is tailored for the students interested in medicine, engineering, or pharmaceuticals.

TRINITY PRESBYTERIAN SCHOOL MATHEMATICS COURSES



Accelerated/honors courses are listed on the right-hand side of this chart. In the event a student is unable to maintain the requirements of the accelerated/honors course, the arrows to the left column indicate options for the next year. Eleventh grade students completing Pre-Calculus will proceed to Honors Calculus, as indicated by the arrow. Courses may be added or removed based on student need.

Physical Education

Physical Education: 1 semester required (Grades 9-12)

Physical Education students will participate in a variety of health-enhancing activities that allow the early adolescent to experience positive, challenging, and enjoyable physical activity while learning about its benefits and importance. Students are expected to perform skills and/or a combination of skills in a group setting on a field, in a gym, or in a weight room. These experiences provide the students with a positive outlet for competition with peers and a means of gaining the respect and recognition of others. Physical Education should provide confidence as students take steps towards independence and maintaining healthy lifestyles. Participation in the physical education program occurs in a safe and inclusive learning environment where students are able to work with others to achieve a common goal.

Science

To ensure the most appropriate science selection, the following sequences are recommended.

Students who intend to pursue a science career and have proven abilities in science and mathematics:

(Prerequisite: Completed Algebra I & continuing in fast-track math or acceptable ERB™ math and science scores.)

9th – *Honors Biology** (also taking Honors Geometry)

10th – *Honors Chemistry** (also taking Algebra II/Trig.)

11th – *AP Biology, AP Chemistry, Honors Anatomy & Physiology, or Honors Physics*

12th – *AP Biology, AP Chemistry, Honors Anatomy & Physiology, or Honors Physics*

Good science and mathematics students:

(See prerequisites for all courses)

9th – *Honors Biology** (Prerequisite: Completed Algebra I or average ERB™ math and science score of 670 with Department approval.)

10th – *Physical Science* or *Honors Anatomy & Physiology* (must have average of 95 or higher in Honors Biology)

11th – *Honors Chemistry* (Algebra II/Trig. required and 85% or higher average in math from previous year with no lower than 85 average for 2nd semester)

12th – *AP Biology, AP Chemistry, Honors Anatomy & Physiology, Honors Physics (85% in Alg.II/Trig. & must be taking Pre-Calculus or Calculus), Environmental/Anatomy*

Students who sometimes have difficulties in science and mathematics:

9th – *Biology*

10th – *Physical Science*



11th – *Chemistry*

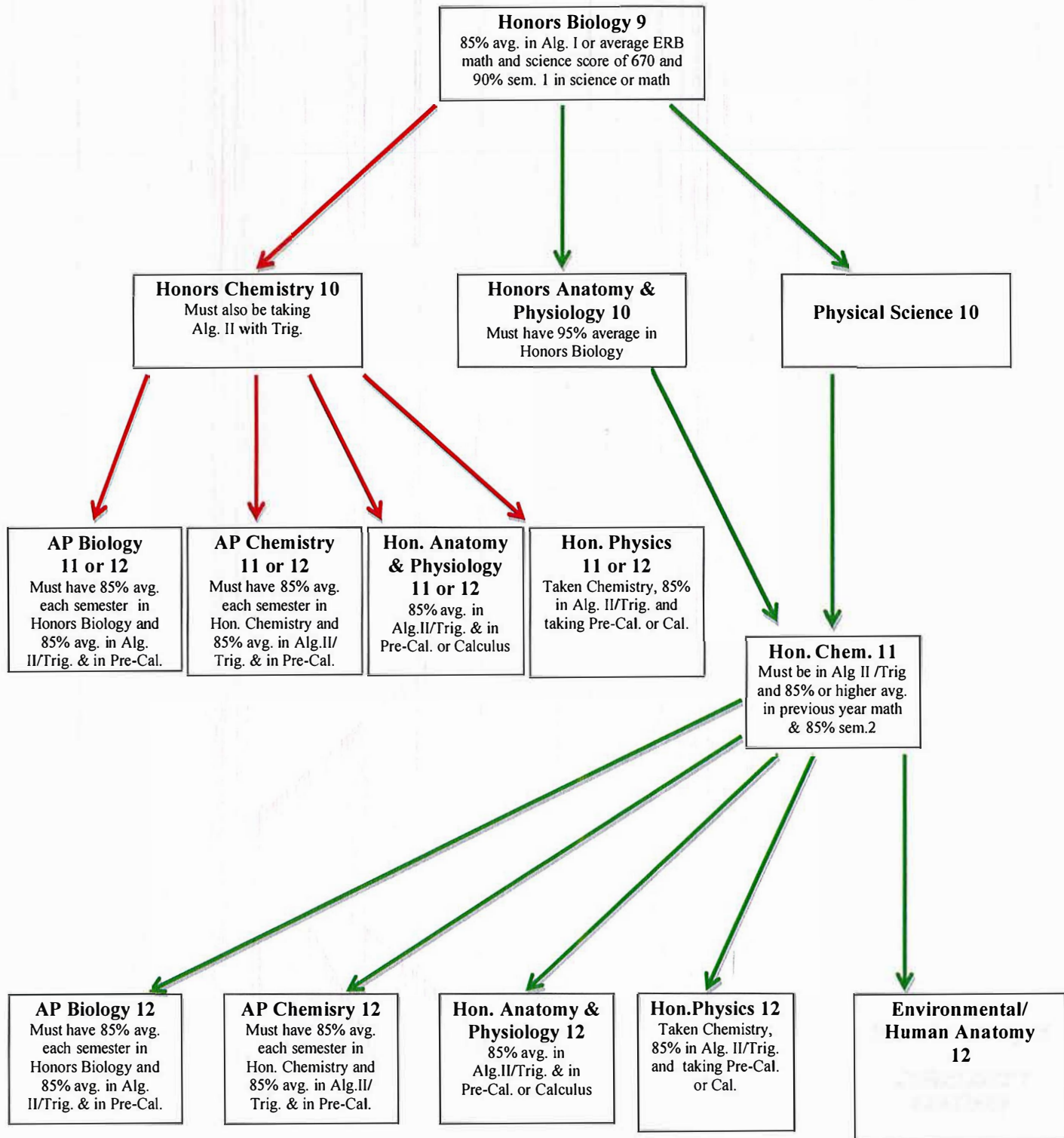
12th – *Honors Physics (85% in Alg.II/Trig. & must be taking Pre-Calculus or Calculus), Environmental/Anatomy (if weaker in math), or Honors Anatomy & Physiology*

*Any student not meeting math prerequisites for Honors Biology but approved by the Department to take the course in 9th grade, must take Physical Science, or Honors Anatomy (meeting pre-requisites) in 10th grade and Honors Chemistry in 11th grade.

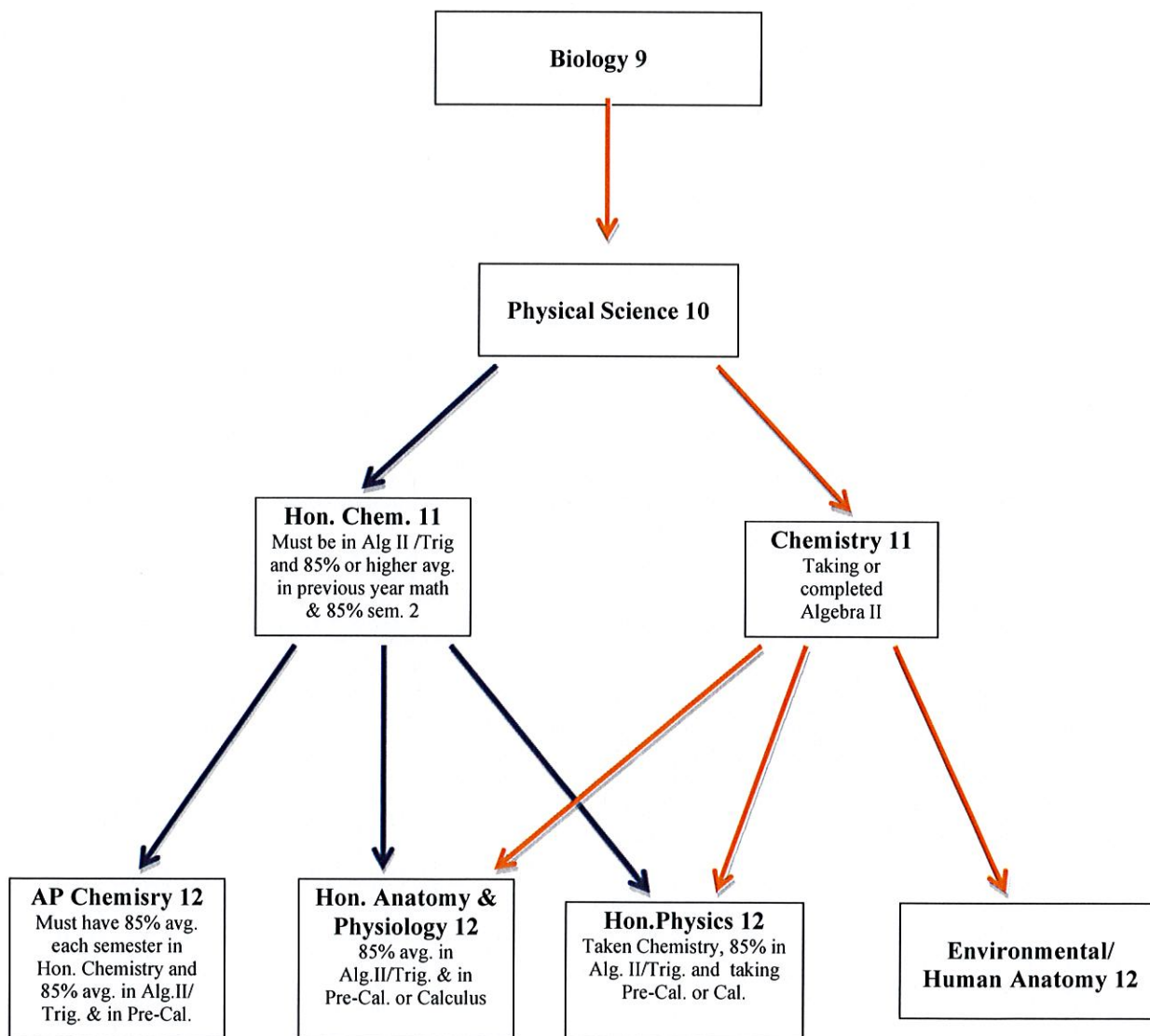
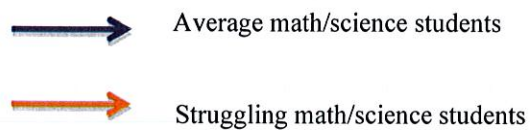
Department approval is required for any student requesting two science classes.

Trinity Presbyterian School Science Courses

-  Very strong math/science students
 Good math/science students



Trinity Presbyterian School Science Courses



Biology: (Grade 9)

Biology is an introductory level course designed to assist students in understanding the world around them. During the first semester, students focus on the chemistry of living things: the cell, photosynthesis, respiration, cell division, genetics, and evolution. Second semester work includes a survey of living organisms – beginning with viruses and bacteria, followed by protozoa, plants, and animals. The survey includes both the structure and function of living things. The program consists of direct instruction, online lessons, animations and drawing, an associated reference book, collaborative activities, virtual laboratories, hands-on laboratory experiments, and extensive dissection.

Honors Biology: (Grade 9)

Prerequisites:

- 85% in Algebra I (8th Grade) and continuing in fast-track math, OR
- Average ERB™ math and science score of 670 or better AND
- 90% first semester average in science or math

Honors Biology is a fast-paced, more in-depth study of the topics covered in Biology. This class is for highly motivated students with exceptional problem solving skills. In this course students will use case studies and labs to explore key concepts. Students will incorporate technology into their science labs and class work. Honors Biology students are eligible to take AP Biology in the 11th or 12th grade.

Physical Science: (Grade 10)

Physical Science is a college prep course designed as an introductory to basic physics and chemistry concepts through reinforcement of processing skills. The course is divided into one semester of introductory physics with concepts of motion and one semester of forms of energy with introductory chemistry. Multiple lab opportunities provide kinesthetic practice and associated reasoning for analysis.

Honors Chemistry: (Grade 10)

Prerequisite: MUST be in Honors Algebra II/Trig. or Algebra II/Trig. Standardized testing, ERB data and a diagnostic assessment will also be used in placement consideration.

Honors Chemistry is an accelerated first year chemistry course for students who are very strong in math. Students will learn how to use dimensional analysis to solve problems. They will learn atomic theory, nuclear chemistry, formula and equation writing, stoichiometry, gas laws, phase changes, electronic configuration, periodic table trends, ionic and covalent bonding, as well as molecular geometry. This course is equivalent to one semester of college chemistry. Students will perform approximately 25 labs during the year, some of which they will design themselves. Students will learn how to use advanced equipment such as spectrophotometers and digital probes. Video animations and various websites are used to reinforce concepts.

Honors Chemistry: (Grade 11)

Prerequisite:

- MUST be in Algebra II/Trig., AND
- Have 85% or higher average in math from previous year (with no lower than 85% average for 2nd semester).

Honors Chemistry is an accelerated first year chemistry course for students who are very strong in math. Students will learn how to use dimensional analysis to solve problems. They will learn atomic theory, nuclear chemistry, formula and equation writing, stoichiometry, gas laws, phase changes, electronic configuration, periodic table trends, ionic and covalent bonding, as well as molecular geometry. This course

is equivalent to one semester of college chemistry. Students will perform approximately 25 labs during the year, some of which they will design themselves. Students will learn how to use advanced equipment such as spectrophotometers and digital probes. Video animations and various websites are used to reinforce concepts.

Chemistry: (Grade 11)

Prerequisite: The student should be taking or already have taken Algebra II.

Chemistry surveys all key areas of chemistry, including atomic structure, chemical bonding, chemical reactions, solutions, and stoichiometry. Students review concepts of matter, energy, the metric system, the scientific method, and scientific measurement. Other topics include the atom; the periodic table; ionic and covalent bonds; chemical reactions; states of matter; solutions; and gas laws. This course provides a heavy emphasis on the math involved with Chemistry. The course is designed to provide a variety of learning styles with: direct instruction, computer based activities, hands-on laboratories, virtual laboratories, and manipulative station lab exercises, all used with a problem-solving book.

Honors Human Anatomy and Physiology: (Grade 10)

Prerequisite: Completion of Honors Biology with at least 95% average AND teacher approval

Honors Human Anatomy and Physiology is the study of the structure and function of the human body, so all organ systems are studied. Man is created in God's image and is the temple of the Holy Spirit. Since we are God's greatest creation and are indwelt with His Spirit, we should desire to learn more about our bodies and how to care for them. Students have access to a college-level textbook as well as online access for in-depth course work, along with case studies, scientific terminology, outside readings related to the course, and the dissection of a fetal pig.

Honors Human Anatomy and Physiology: (Grades 11-12)

Prerequisites:

- 85% average in Algebra II/Trig., AND
- Must be taking Pre-Calculus or Calculus

Honors Human Anatomy and Physiology is the study of the structure and function of the human body, so all organ systems are studied. Man is created in God's image and is the temple of the Holy Spirit. Since we are God's greatest creation and are indwelt with His Spirit, we should desire to learn more about our bodies and how to care for them. Students have access to a college-level textbook as well as online access for in-depth course work, along with case studies, scientific terminology, outside readings related to the course, and the dissection of a fetal pig.

Honors Physics: (Grades 11-12)

Prerequisites:

- Completion of Chemistry
- 85% average in Algebra II/Trig., AND
- Must be taking Pre-Calculus or Calculus

Conceptual Physics differs from a traditional high school Physics class in the process of the learning. In a Conceptual Physics class such as this, labs are conducted to provide the hands-on experiences that allow students to discover the physics concepts before the calculations. Students can then make sense of the algebra because they already understand the relationship between the variables involved. The labs range from simple

comparisons to more complex designs and data collection. The common goal is to establish basic physics concepts and terms before the more complicated college courses.

Human Anatomy and Physiology: (Grade 12)
(Paired with the one semester Environmental Science course)

Human Anatomy and Physiology gives students the opportunity to be introduced to all of the human body systems, the organs that are part of those systems and how they function. The students have the opportunity to learn about God's greatest creation – the human body. Students will be involved in class discussions, read and interpret case studies, study scientific terminology and read articles outside of class. They have access to the Internet where more in-depth research will be done in addition to their college-level textbook.

Environmental Science: (Grade 12)
(Paired with Human Anatomy and Physiology or Astronomy)

Environmental Science is a one-semester course, usually taken along with the one semester Human Anatomy and Physiology course. Environmental Science brings concepts from biology, physics, and chemistry all together by exploring our world's intricate balance of the living and nonliving. After extensive study of our Earth's ecosystems, the course transitions to forms of energy and energy consumption. Students research new and innovative ways scientists seek to improve the efficiency of existing internal combustion engines as well as innovative approaches for solar energy, biofuels, wind energy, and more. The politics and controversies that surround topics of energy consumption as well as climate change due to overconsumption are also discussed from a neutral position. Therefore, Environmental Science connects ecological current events to evaluation level thinking for seniors.

College Board Advanced Placement™ (AP) Biology: (Grades 11-12)

Prerequisites: See general requirements on p. 8

- 85% minimum average each semester in Honors Biology
- 85% average in Algebra II/Trig., AND
- Must be taking Pre-Calculus or Calculus

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. This course requires hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. It is important that the students learn how to collect, analyze, and interpret data. This course provides excellent preparation and experience for college Biology.

College Board Advanced Placement™ (AP) Chemistry: (Grades 11-12)

Prerequisites: See general requirements on p. 8

- 85% minimum average each semester in Honors Chemistry
- 85% in Algebra II/Trig., AND
- Must be concurrently enrolled in Pre-Calculus or Calculus.

AP Chemistry is equivalent to two semesters of inorganic chemistry in college. Students will review honors chemistry content and also learn about electrochemistry, intermolecular forces, solutions, chemical kinetics, chemical equilibria, acids, bases, salts, as well as applications of equilibria (such as acid-base equilibrium, buffers, titrations, precipitates), thermochemistry, and thermodynamics. In order to support and clarify chemistry concepts, students perform extensive labs. Inquiry based labs or guided-inquiry based labs are emphasized. This course is highly recommended for any student planning a career in a field that requires college chemistry.

Social Studies

World History I: (Grade 9)

The scope of World History I is pre-history to the Early Modern World. This course is a study of ancient civilizations, medieval societies, and their impact on later cultures, both eastern and western. The study of the Renaissance and the Reformation, coupled with the era leading to the Age of Exploration, brings the student to the dawn of the Modern Age.

World History II: (Grade 10)

World History II provides the student with a study of modern societies beginning with the Enlightenment and ending with the late 20th century. The course includes study of both eastern and western cultures. Emphasis will be placed on the political, religious, aesthetic, intellectual, social, and economic developments that produced today's world.

College Board Advanced Placement™ (AP) World History: (Grades 10-12)

See general requirements on p. 8, and

- Must have 90% BOTH semesters in previous year's history course (or 80% in AP history course)
- Recommendation of current history teacher

AND

- Grade 10: at least 80% on the ERB™ Reading Comprehension section
- Grade 11 or 12: at least 80% on the PSAT™ Critical Reading section

AP World History is comprised of the study of six chronological periods viewed through the lens of related key concepts and course themes, accompanied by a set of skills that clearly define what it means to think historically. The course is organized around a limited number of key concepts instead of a perceived list of facts, events, and dates. The three to four key concepts per period define what is most essential to know about each period based upon the most current historical research in world history. The themes and key concepts are intended to provide foundational knowledge for future college-level course work in history.

This course fulfills the Fine Arts/Humanities requirement for graduation. This course fulfills World History II requirements for graduation if taken as a sophomore.

College Board Advanced Placement (AP) Macroeconomics: (Grades:11-12)

See general requirements on p. 8, and

- Must have 90% BOTH semesters in previous year's history course (or 80% in AP history course)
- Recommendation of current history teacher

AND

- Grade 10: at least 80% on the ERB™ Reading Comprehension section
- Grade 11 or 12: at least 80% on the PSAT™ Critical Reading section

Advanced Placement Macroeconomics provides students with a thorough understanding of economic principles that apply to an economic system as a whole. The course places particular emphasis on the study of

national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

United States History: (Grade 11)

United States History is a survey course that provides students with a chronological history of the United States, from the Civil War to the present. The course includes a thorough coverage of the formation and development of our nation's values and its social, political, and economic institutions.

College Board Advanced Placement™ (AP) United States (U.S.) History: (Grade 11)

See general requirements on p. 8, and

- Must have 90% BOTH semesters in previous year's history course (or 80% in AP history course) AND at least 85% on the Critical Reading section of the PSAT™
- Recommendation of current history teacher

AP U.S. History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and material in United States history. The course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by a full-year college course. In addition to providing a basic narrative of events and movements, the goals of the Advanced Placement Program in U.S. History are to develop: an understanding of some of the principal themes in modern U.S. history, an ability to analyze historical evidence, and an ability to analyze and express historical understanding in writing. This course requires students to maintain a challenging reading schedule, take notes, and perform well on tests in essay format.

Economics: 1 semester (Grade 12)

Economics will give students an understanding of the fundamental principles of economics and how it relates to life. The basic knowledge gained from this course will help students make intelligent decisions as consumers and citizens. An understanding of economic functions will help when making decisions about earning, saving, investing, or spending money and interpreting political candidates' positions on economic issues. Students will become familiar with determination of prices and wages, labor unions and collective bargaining, money and banking, unemployment and inflation, business in the American economy, and the effect of world trade and finance on our economy.

Government: 1 semester (Grade 12)

Government is designed to help students gain an understanding of how the political system works, the impact of the political system on their lives, and how Americans become participants in their political system. The course will focus on the following interrelated content areas: the history and framework of our government, the relationship of citizens to the political system, the institutions of the government, and the formulation of public policy.

Available through Sevenstar™ (see www.sevenstar.org for detailed course descriptions):

- Must have administrative approval
- Students responsible for all course tuition costs

AP Macroeconomics: 1 semester

AP U.S. Government: 1 semester