



Trinity Presbyterian School  
Upper School Course Guide  
2024-2025

Table of Contents

Curriculum Philosophy -----	3
Upper School Overview -----	4
Graduation Requirements -----	5
Upper School Grading Scales -----	6
AP Courses -----	7
Sevenstar Direct Online -----	8
Christian Studies -----	9
Electives-----	11
Physical Education-----	24
English -----	24
World Languages -----	27
Mathematics -----	30
Science -----	36
Social Studies -----	44

## Contact Information

SUZANNE SATCHER

*Head of School*

[ssatcher@trinitywildcats.com](mailto:ssatcher@trinitywildcats.com)

ANALYN COKER

*Head of Middle and Upper School*

[acoker@trinitywildcats.com](mailto:acoker@trinitywildcats.com)

KATHRYN BANDY

*College Counselor*

[kbandy@trinitywildcats.com](mailto:kbandy@trinitywildcats.com)

ALISA JONES

*Director of Guidance and Assessment*

[ajones@trinitywildcats.com](mailto:ajones@trinitywildcats.com)

KELCI TATUM

*Registrar*

[ktatum@trinitywildcats.com](mailto:ktatum@trinitywildcats.com)

## 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.

# 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 seven class periods daily. The core curriculum consists of English, math, science, and social studies along with specialized instruction in foreign language, fine arts, Christian studies, computer science, and physical education.

All students must take classes during all 7 periods of the school day during both semesters, except 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 week of each semester (drop or add a course) if the requested change does not exceed the maximum enrollment of a class or cause a severe imbalance. The drop/add period is increased to two 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 ½ unit of credit. Students must earn a minimum of 7 credits per year, except 12th graders, who must earn at least 6 credits. Failed courses must be taken and passed in an accredited program approved by the administration. 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 full 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 GPA of at least a 2.5 must be maintained to remain at Trinity. A 9th grader may conditionally enroll in the 10<sup>th</sup> grade (unless he/she 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 GPA FOR TRANSFER STUDENTS** - All transfer grades for students entering Trinity's Upper School 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 GPA calculation will be cumulative beginning with 9th 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 9<sup>th</sup> grade.

*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.*

# Graduation Requirements

SUBJECT	UNITS
<b>ENGLISH</b>	4
<b>SOCIAL STUDIES</b>	4
<b>MATHEMATICS</b>	4
<b>SCIENCE</b>	4
<b>CHRISTIAN STUDIES</b>	2
<b>FOREIGN LANGUAGE</b> <i>(OF THE SAME LANGUAGE)</i>	2
<b>PHYSICAL EDUCATION (PE)</b> <i>(All 9<sup>th</sup> grade students will take PE. This credit may be earned through participation in PE, Athletics, Band, Cheerleading, Twirlers, Dance, Dance Team, or Show Choir.)</i>	½
<b>ELECTIVES</b>	5
<b>FINE ARTS/HUMANITIES</b> APPROVED COURSES BELOW:	½
<b>AP ART HISTORY</b> <i>(off-campus or online)</i>	
<b>AP WORLD HISTORY</b>	
<b>AP PSYCHOLOGY</b>	
<b>FRENCH III OR SPANISH III</b> <i>(Completed 3 years of same language at high school level)</i>	
<b>ADVANCED LEVEL ART</b> <i>(Completed 3 years at high school level; teacher approval; exc. Set design/construction)</i>	
<b>ADVANCED LEVEL BAND</b> <i>(Completed 3 years at high school level; teacher approval)</i>	
<b>ADVANCED LEVEL CHOIR</b> <i>(Completed 3 years at high school level; teacher approval)</i>	
<b>ADVANCED LEVEL DANCE</b> <i>(Completed 3 years at high school level; teacher approval)</i>	
<b>AMERICAN FILM STUDIES</b>	
<b>TOTAL GRADUATION CREDITS</b>	26

## Grading Scale

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

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 GPA

The weighted cumulative college GPA is calculated using the following scale and printed on the student's college transcript.

Letter Grade Equivalency	Numerical Grade	Regular Quality Points	College 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

# AP 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 AP COURSES:

- Students must receive Departmental approval \*
- Students are required to take the College Board AP 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.
- All students and parents are required to attend the AP informational meeting
- 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

Sevenstar provides online courses for students that are both rigorous and taught with a biblical worldview. With admin 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

Students taking online courses are assigned to the Resource Specialist's room during the assigned class period for the course. Regular reports on student progress are reported to admin. Course grading and credit is given by the Sevenstar instructor.

Application to the transcript is done by Trinity. The same quality point designations for AP and Honors courses taken at Trinity will be given to those courses taken through Sevenstar. While significant discipline is necessary to complete online courses, many students find the benefits of such an experience and is great preparation for college. Research suggests that most students will take at least one online course through their undergraduate experience.

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's account.

## SEVENSTAR COURSES FOR CONSIDERATION

AP Art History	Game Design
AP Computer Science	Health : Life Management Skills
AP Macroeconomics *	Intro to Social Media
AP US Government & Politics *	Leadership Skills Development
AP Statistics *	Mobile App Programming
Chinese I, II *	Music Appreciation
Latin I, II, III *	Personal and Family Finance
Forensic Science I, II *	Personal Fitness
Global Studies *	Psychology *
Marine Science *	ACT Prep
Creative Writing *	SAT Prep
Critical Thinking & Study Skills	Social Problems I, II *
Digital Information Technology	Theatre, Cinema & Film Production
Digital Photography	
Foundations of Programming	*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

*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.*

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**

**\$15 CLASS FEE**

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 musicianship will be strengthened as they sing in a group context along with being provided opportunities to sing solos and in small ensembles.

### \* INDEPENDENT STUDY SUMMER BIBLE 9-12

**EQUIVALENT TO 1 SEMESTER**

**APPLICATION AND ADMINISTRATION APPROVAL**

Independent study summer Bible content corresponds to the grade level the student will enter the following year. Coursework will be facilitated through Sevenstar and will involve reading, writing, quizzes, and two meetings with the instructor.

Independent study summer Bible is offered for those students trying to fit an extra semester class into their schedule for the following year.

**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's account.**

**\* ONLY TWO SUMMER BIBLE OR VOICES OF TRINITY COURSES MAY BE SUBSTITUTED FOR BIBLE IN UPPER SCHOOL – ONCE IN 9<sup>TH</sup> OR 10<sup>TH</sup> AND ONE IN 11<sup>TH</sup> OR 12<sup>TH</sup>.**

# Electives

## ACT PREP

### 1 SEMESTER (GRADES 10-12)

*10<sup>th</sup> and 11<sup>th</sup> grade – either semester; 12<sup>th</sup> grade – fall semester only*

### PASS/FAIL

### ½ CREDIT COURSE

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.

**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.

## MIND MATTERS

### 1 SEMESTER (GRADES 9-10)

This course will weave basic psychology with the high school experience. Students will be allowed to explore concepts that will prepare them for and, hopefully, enhance the next few years of school emotionally, socially and academically.

## FINANCIAL FUNDAMENTALS

### 1 SEMESTER (GRADES 10-12)

This course provides a comprehensive introduction to the fundamentals of finance, covering key areas such as banking, insurance, investing, and college savings. Students will gain a solid understanding of the financial system, including the role of banks in the economy, the principles of insurance, and the various types of investment vehicles available. The course will also explore the importance of financial planning, including strategies for saving for college and other long-term goals. Through a combination of lectures, case studies, and hands-on exercises, students will develop the skills and knowledge needed to make informed financial decisions and achieve their financial goals.

## COLLEGE & CAREER PREP

### 1 SEMESTER (GRADES 11-12)

This course will prepare students for the college and career they desire by practicing the essential skills needed to succeed in college and beyond. Students will learn important organizational, time-management and decision-making skills that will help them find success in whichever path they choose.

## INTRO TO ENGINEERING

### 1 SEMESTER (GRADES 9-12)

The Introduction to Engineering elective for high schoolers offers a dynamic exploration of various engineering disciplines, fostering critical thinking and collaboration through hands-on projects like bridge building, circuit design, and robotics programming. Through interactive lectures, industry guest speakers, and field trips, students gain insight into real-world engineering applications. By the course's end, participants emerge with a deeper understanding of the engineering profession, enhanced problem-solving skills, and a newfound passion for innovation, empowering them to excel in STEM fields and beyond.

## LANDSCAPE DESIGN

### 1 SEMESTER (GRADES 9-12)

The high school landscape design class is an immersive course that introduces students to the principles and practices of creating aesthetically pleasing and functional outdoor spaces. Throughout the semester, students will explore topics such as site analysis, plant selection,

*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.* 12

hardscape materials, and sustainable design practices. They will create detailed landscape plans and develop hands-on skills through projects and collaborations with local nurseries and landscape professionals. By the end of the course, students will have a comprehensive understanding of landscape design and the skills to transform ideas into beautiful, practical outdoor environments.

## 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.

**The following teams are not eligible for this class: Middle School teams and some JV teams.**

### 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 9-12)

#### 15 STUDENT LIMIT

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.

## INNOVATIVE SCIENCES

### ROBOTICS I and II

1 SEMESTER (GRADE 9-12 ONLY)

\$30 CLASS FEE

16 STUDENT LIMIT

Robotics introduces the student to basic programming as well as problem-solving strategies using VEX 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, motorcontrol, logic gates and using sensors.

### ADVANCED ROBOTICS

1 SEMESTER (GRADE 10-12 ONLY)

PREREQUISITE : ROBOTICS II; TEACHER APPROVAL

\$30 CLASS FEE

Advanced Robotics is a continuation of Robotics and will concentrate on the coding aspect of robotics and complex problem solving. Students research problems and develop solutions using advanced VEX robots. The engineering method involves studying a problem, designing a solution and testing.

### COMPUTER SCIENCE

1 SEMESTER (GRADES 9-12)

\$20 CLASS FEE

This course is designed to teach the multiple skills that Microsoft Office offers. Emphasis will be placed on projects that will be completed using the word processor, spreadsheet, slide presentation and the E-mail programs. We will be using Microsoft Word, PowerPoint, Excel, and OneNote. An overview of iMovie will be covered as well. The goal of this class is to prepare students for the skills they will need in college.

## FINE ARTS

## **DANCE**

### **DANCE ENSEMBLE I**

**FULL YEAR (GRADES 6-12)**

**REQUIREMENTS : AUDITION AND DIRECTOR APPROVAL**

**\$100 CLASS FEE**

Dance Ensemble I is designed to offer the student a ballet-based technique. This class will offer the student's knowledge of ballet, preparing them with pre-pointe work, jazz, hip-hop, modern, dance history, stage etiquette and ballet terminology. This class is designed for the performer and will give dancers a basic foundation of the many different styles of dance offered at Trinity. Students must purchase tights, leotards, shoes and skirts as specified by the Director.

### **DANCE ENSEMBLE II**

**FULL YEAR (GRADES 6-12)**

**REQUIREMENTS : AUDITION AND DIRECTOR APPROVAL**

**\$100 CLASS FEE**

Dance Ensemble II is designed to offer the student a ballet-based technique 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 history, stage etiquette and ballet terminology. This class is designed for the performer and will give dancers a deeper foundation of dance while focusing on the use of epaulement in their technique and stage presence. Students must purchase tights, leotards, shoes and skirts as specified by the Director.

### **DANCE ENSEMBLE III**

**FULL YEAR (GRADES 6-12)**

**REQUIREMENTS : AUDITION AND DIRECTOR APPROVAL**

**\$100 CLASS FEE**

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's knowledge of ballet, preparing them with pointe work, jazz, hip-hop, modern, dance history, stage etiquette and ballet terminology. This class is designed for the performer and will give dancers a deeper understanding of dance as an artist. Students must purchase tights, leotards, shoes and skirts as specified by the Director.

### **DANCE ENSEMBLE IV**

**FULL YEAR (GRADES 9-12)**

**REQUIREMENTS : AUDITION AND DIRECTOR APPROVAL**

## **\$100 CLASS FEE**

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. This class 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. Students must purchase tights, leotards, shoes and skirts as specified by the Director.

## **DANCE ENSEMBLE V**

**FULL YEAR (GRADES 9-12)**

**REQUIREMENTS : AUDITION AND DIRECTOR APPROVAL**

**\$100 CLASS FEE**

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. This class 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. Students must purchase tights, leotards, shoes and skirts as specified by the Director.

## **DANCE ENSEMBLE VI, VII**

**FULL YEAR (GRADES 9-12)**

**REQUIREMENTS : AUDITION AND DIRECTOR APPROVAL**

**\$100 CLASS FEE**

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. This class 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. Students must purchase tights, leotards, shoes and skirts as specified by the 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 color guard 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 Cologuard 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 with dates and tryouts TBA.

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

## **INSTRUMENTAL MUSIC**

### MARCHING/SYMPHONIC BAND

**FULL YEAR (GRADES 6-12)**

**PREREQUISITIES: 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. Symphonic Band and Marching Band perform music at the high school level. Students in grades 6 through 8 are eligible to audition for acceptance into each ensemble if they have displayed admirable work ethic and dedication to their musicianship.

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

### GUITAR I

**1 SEMESTER (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

*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.* 17

May, and festivals.

## GUITAR II

**1 SEMESTER (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

**1 SEMESTER OR FULL YEAR (GRADES 9-12)**

**APPROXIMATE \$200 CLASS FEE**

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.

### VOICES OF TRINITY

**1 SEMESTER OR FULL YEAR (GRADES 9-12)**

**\$15 CLASS FEE**

**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.

\*Only two Summer Bible or Voices of Trinity courses may be substituted for Bible in Upper School. Once in 9<sup>th</sup>/10<sup>th</sup> and once in 11<sup>th</sup>/12<sup>th</sup>.

## INTERNSHIP

### INTERNSHIP

1 SEMESTER (GRADE 12)

COMPLETED APPLICATION & ADMINISTRATION APPROVAL

PASS/FAIL

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/60 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

## INDEPENDENT STUDY

### INDEPENDENT STUDY

1 SEMESTER (GRADES 11-12)

ADMINISTRATION APPROVAL

Students feed their curiosity and deepen their understanding of specific interests by proposing a unique course of study. They research their chosen area of concentration and design a learning plan that includes completing a rigorous, in-depth project under the mentorship of a faculty member (e.g., 3-D printed prosthetic limbs, writing and illustrating a children's book, using Python programming language to map bacterial growth). Students defend their discoveries before a panel of community experts.

These independent learning experiences foster independent thinking by providing opportunities for individuals to expand their knowledge via research, design and presentation.

## MEDIA ARTS

### SPORTS BROADCASTING

1 SEMESTER (GRADES 9-12)

\$20 CLASS FEE

15 STUDENT LIMIT

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.

### BROADCASTING AND DIGITAL VIDEO

1 SEMESTER (GRADES 9-12)

\$20 CLASS FEE

15 STUDENT LIMIT

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.

### SURVEY OF AMERICAN FILM (LEVELS I-III)

1 SEMESTER (GRADES 11-12)

\*EACH LEVEL FULFILLS FINE ARTS/HUMANITIES REQUIREMENT

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.

### HONORS YEARBOOK PUBLISHING

FULL YEAR (GRADES 9-12)

REQUIREMENTS: SPONSOR APPROVAL

LIMITED CLASS SIZE

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

*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.* 20

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.**

## VISUAL ARTS

### FUNDAMENTALS IN ART

1 SEMESTER (GRADES 9-12)

\$35 CLASS FEE

The Drawing portion of 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 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 Art allows students to explore painting as a language and be introduced to an array 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 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 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.

*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.* 21

## INTRO TO CERAMICS

1 SEMESTER (GRADES 9-12)

REQUIREMENTS: INSTRUCTOR APPROVAL

\$75 CLASS FEE

This is an introductory ceramics course that covers basic ceramic hand building and wheel-throwing techniques. Clay is one of the few materials in which the hand is used as the primary tool for fabrication. During the semester, students will focus on coil building, slab construction, pinching, and wheel-throwing methods of manipulating clay forms and surfaces. Students will learn many of the technical terms and processes associated with fabrication, surface treatment, and firing.

## ADVANCED ART

1 SEMESTER OR FULL YEAR (GRADES 10-12)

REQUIREMENTS: INSTRUCTOR APPROVAL

\$75 CLASS FEE

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 provoke critical thinking. 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.

## AP STUDIO ART DRAWING, 2D or 3D

FULL YEAR (GRADE 12)

REQUIREMENTS: INSTRUCTOR APPROVAL

\$100 CLASS FEE

**\*THIS CLASS FULFILLS FINE ARTS/HUMANITIES REQUIREMENT**

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 portfolio share a basic, three-section structure, which requires the student to show a fundamental competence and range of understanding in visual concerns and methods.

**\*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 receive scores in July.**

## SET DESIGN

*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.* 22

**1 SEMESTER OR FULL YEAR (GRADES 9-12)**  
**REQUIREMENT: INSTRUCTOR APPROVAL**  
**\$25 CLASS FEE**

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.

**SET CONSTRUCTION**

**1 SEMESTER OR FULL YEAR (GRADES 9-12)**  
**REQUIREMENT: INSTRUCTOR APPROVAL**  
**\$25 CLASS FEE**

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.

**\*It is required for all students to attend and successfully complete a Power Tool 101 session and must have a signed permission form in order to operate power tools in the class.**

**SEVENSTAR ELECTIVES**

**REQUIREMENTS: ADMINISTRATION APPROVAL**  
**STUDENT IS RESPONSIBLE FOR COURSE TUITION COSTS**

AP Art History: 1 semester or full year  
AP Computer Science: 1 semester or full year  
AP Statistics: 1 semester or full year \*  
Creative Writing: 1 semester \*  
Critical Thinking & Study Skills: 1 semester \*  
Digital Information Technology: full year  
Digital Photography: 1 semester  
Forensic Science I, II: 1 semester each \*  
Programming: 1 semester or full year  
Game Design: 1 semester  
Global Studies: 1 semester or full year \*  
Life Management Skills: 1 semester  
Introduction to Social Media: 1 semester

*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.* 23

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 Production: 1 semester

\*NCAA Eligible

## Physical Education

### PHYSICAL EDUCATION

#### 1 SEMESTER (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 can work with our coaches.

## 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:

- 90% OR HIGHER IN 8<sup>TH</sup> GRADE ENGLISH (AVERAGED ON MAY 1)
- 70<sup>TH</sup> PERCENTILE OR HIGHER ON ERB ENGLISH SECTIONS

*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.* 24

## (READING COMPREHENSION, VERBAL REASONING, AND WRITING CONCEPTS AND SKILLS)

- **TEACHER RECOMMENDATION**

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 an emphasis placed on applying grammatical and rhetorical principles to writing and more in-depth study of literary terms and themes, and an emphasis of non-fiction genres are also a factor. Vocabulary development and novels for outside reading comprise the remainder of the course.

## HONORS ENGLISH 10

### **PREREQUISITES:**

- **90% OR HIGHER IN HONORS ENGLISH 9 (AVERAGED ON MAY 1)**
- **93% OR HIGHER IN ENGLISH 9 (AVERAGED ON MAY 1)**
- **70<sup>TH</sup> PERCENTILE OR HIGHER ON ERB ENGLISH SECTIONS (READING COMPREHENSION, VERBAL REASONING, AND WRITING CONCEPTS AND SKILLS)**
- **TEACHER RECOMMENDATION**

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

*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.* 25

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.

## AP LANGUAGE AND COMPOSITION

### **PREREQUISITES:**

- 90% IN HONORS ENGLISH 10 (AVERAGED MAY 1)
- 93% IN ENGLISH 10 (AVERAGED MAY 1)
- MEETS OR EXCEEDS PSAT BENCHMARK SCORE FOR READING AND WRITING SECTION
- TEACHER RECOMMENDATION

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 and Global Literature with emphasis placed on applying literary terms and themes. Composition and narrative assignments are frequent, and a research assignment is required. Vocabulary and outside reading are regularly assigned. This class is a demanding course designed to prepare the students fully for college freshman English.

## AP LITERATURE AND COMPOSITION

### **PREREQUISITES:**

- 90% IN OR HIGHER IN AP LANGUAGE & COMPOSITION (AVERAGED ON MAY 1)
- 93% OR HIGHER IN ENGLISH 11 (AVERAGED MAY 1)
- MEETS OR EXCEEDS PSAT BENCHMARK SCORE FOR READING AND WRITING SECTION
- TEACHER RECOMMENDATION

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

*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.* 26

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 & DEBATE

**FULL YEAR OR ONE SEMESTER**  
**GRADES 9-12**

Speech and Debate, or Forensics, prepares students for collegiate-level coursework and scholarships and for real-world inquiry and public speaking. Debate categories include those such as Lincoln-Douglas, Congress, and Public Forum. Speech events range from Poetry Interpretation to Original Oratory, Impromptu Speaking, and International Extemporaneous Speaking. A unique feature of this activity is that the students themselves select events and tournaments that fit their individual interests and schedules, giving them an opportunity to explore an extracurricular without sacrificing other responsibilities and interests.

## INK & IMAGINATION: TRANSFORMING IDEAS INTO STORIES

**FULL YEAR OR ONE SEMESTER**  
**GRADES 9-12**

Students will read, analyze, and CREATE original works. This class will predominantly focus on the art of creating engaging, writing in different mediums. Students will learn how to participate in writing workshops, where they collaborate on reading, revising, and editing their classmates' stories. Students will have the opportunity to create a portfolio of their works and participate in multiple competitions.

# World Languages

## FRENCH

### FRENCH I

**GRADES 9-12**

French I introduces the student to French language and culture and develops elementary

*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.* 27

proficiency in listening, speaking, reading, and writing. The course work includes a study of grammatical structures, vocabulary, basic conversation, and francophone culture. Students will be able to express and comprehend basic personal information and needs in the target language. Students may participate in the Alabama French Convention and the National French Exam. A parent may request that a student wait to begin the study of a foreign language until 10<sup>th</sup> grade.

## FRENCH II

**GRADES 10-12**

**PREREQUISITES: FRENCH I**

French II provides an in-depth study of grammar, conversation, reading and writing with an emphasis on francophone culture. Students will broaden their insights into francophone culture and enhance their connections with the target language. Students will be able to communicate short messages on familiar everyday topics. Students may participate in the French Convention and the National French Exam.

## FRENCH III

**PREREQUISITES: FRENCH I, II (WITH A MINIMUM OF A “B” AVERAGE) AND INSTRUCTOR APPROVAL**

**HONORS QUALITY POINTS EARNED**

**\*THIS CLASS FULFILLS THE FINE ARTS/HUMANITIES REQUIREMENT**

**\*11<sup>th</sup> & 12<sup>th</sup> GRADE STUDENTS MAY BECOME ELIGIBLE FOR THE FRENCH HONOR SOCIETY**

French III involves an extensive study of grammar, reading, writing, conversation, geography, and culture focusing on francophone countries and regions. Students should expect to speak, read and write about uncomplicated tasks and social situations using the target language. Students will be able to comprehend and provide paragraph-length narratives in past, present, and future tense. Students may participate in the French Convention and the National French Exam.

## FRENCH IV

**PREREQUISITES: FRENCH I, II and III (WITH A MINIMUM OF A “B” AVERAGE) AND INSTRUCTOR APPROVAL**

**AP QUALITY POINTS EARNED**

**\*THIS CLASS FULFILLS THE FINE ARTS/HUMANITIES REQUIREMENT**

**\*11<sup>th</sup> & 12<sup>th</sup> GRADE STUDENTS MAY BECOME ELIGIBLE FOR THE FRENCH HONOR SOCIETY**

French IV includes a study of advanced French grammar and readings in French literature along with an emphasis on francophone geography and culture. Students will read a short novel in the target language. Students will be able to handle basic communicative tasks for work,

academic, and social situations. Students will be able to communicate clearly in multiple time frames and understand more abstract concepts in the target language. Students may participate in the French Convention and the National French Exam.

## SPANISH

### SPANISH I

**GRADES 9-12**

Spanish I builds a foundation for communication by learning vocabulary and grammar by developing skills in speaking, listening, reading, and writing. Students will engage in conversation, provide information, and express feelings and emotions. As an integral part of this language study, Hispanic culture and customs will be studied.

### SPANISH II

**GRADES 10-12**

**PREREQUISITES: SPANISH I**

Spanish II offers a more in-depth study of grammar, reading, writing, speaking, and listening. Students will demonstrate an understanding of the concept of culture through comparisons of the cultures. Students may take the National Spanish Exam in the spring.

### SPANISH III

**PREREQUISITES: SPANISH I and II (WITH A MINIMUM OF A “B” AVERAGE) AND INSTRUCTOR APPROVAL  
HONORS QUALITY POINTS EARNED**

**\*THIS CLASS FULFILLS THE FINE ARTS/HUMANITIES REQUIREMENT**

**\*11<sup>th</sup> & 12<sup>th</sup> GRADE STUDENTS MAY BECOME ELIGIBLE FOR THE SPANISH HONOR SOCIETY**

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. Students will understand and interpret written and spoken language on a variety of topics. The study of culture is woven into the different aspects of the course. Students may take the National Spanish Exam in the spring.

## SPANISH IV

**PREREQUISITES: SPANISH I, II AND III (WITH A MINIMUM OF A “B” AVERAGE) AND INSTRUCTOR APPROVAL**

**AP QUALITY POINTS EARNED**

**\*THIS CLASS FULFILLS THE FINE ARTS/HUMANITIES REQUIREMENT**

**\*11<sup>th</sup> & 12<sup>th</sup> GRADE STUDENTS MAY BECOME ELIGIBLE FOR THE SPANISH HONOR SOCIETY**

Spanish IV includes a study of advanced Spanish grammar and stresses vocabulary building, speaking, and writing. The Spanish literature read and discussed will include books and short stories. Students should understand the main ideas of most speech in a variety of social, cultural and timeframe contents. stories from various Hispanic countries.

## AVAILABLE THROUGH SEVENSTAR

**PREREQUISITES: ADMINISTRATION APPROVAL**

**STUDENTS RESPONSIBLE FOR ALL COURSE TUITION COSTS**

Chinese I, II, III

German I, II, III

Latin I, II, III

# Mathematics

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 8<sup>th</sup> grade must have at least an 85% average for the year, with no lower than an 85% average for second semester. 8<sup>th</sup> grade***

*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.* 30

*students not meeting the minimum 85% average will be required to take Algebra I in 9<sup>th</sup> grade.*

## GEOMETRY

### **PREREQUISITES: 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:**

- **85% IN ACCELERATED ALGEBRA I-8<sup>TH</sup> AND NO LOWER THAN 85% AVERAGE FOR SECOND SEMESTER**
- **DEPARTMENT 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:**

- **ALGEBRA I AND GEOMETRY**
- **DEPARTMENT 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:**

- **ALGEBRA I AND MINIMUM AVERAGE OF 80% IN GEOMETRY**

## **AND NO LOWER THAN 80% IN SECOND SEMESTER**

- **DEPARTMENT 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:**

- **ACCELERATED ALGEBRA I 8<sup>TH</sup> AND MINIMUM AVERAGE OF 85% IN GEOMETRY AND NO LOWER THAN 85% IN SECOND SEMESTER**
- **DEPARTMENT 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 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:**

- **GEOMETRY AND MINIMUM AVERAGE OF 70% IN ALGEBRA II/TRIG AND NO LOWER THAN 70% IN SECOND SEMESTER**

*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.* 32

- **DEPARTMENT 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:**

- **HONORS GEOMETRY AND MINIMUM AVERAGE OF 75% IN HONORS ALGEBRA II/TRIG AND NO LOWER THAN 75% IN SECOND SEMESTER**
- **DEPARTMENT 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:**

- **MINIMUM AVERAGE OF 70% IN PRE-CALCULUS AND NO LOWER THAN 75% IN SECOND SEMESTER**
- **DEPARTMENT 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.*

## AP CALCULUS AB

### PREREQUISITES:

- MINIMUM AVERAGE OF 85% IN HONORS PRE-CALCULUS FOR THE YEAR AND NO LOWER THAN 85% IN SECOND SEMESTER
- PRE-CAL STUDENTS MAY MOVE TO AP CALCULUS WITH A MINIMUM AVERAGE OF 95% FOR THE YEAR AND NO LOWER THAN A 95% IN SECOND SEMESTER
- DEPARTMENT APPROVAL

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.

## AP STATISTICS

### PREREQUISITES:

- SUCCESSFUL COMPLETION OF ALGEBRA II WITH TRIGONOMETRY
- DEPARTMENT APPROVAL

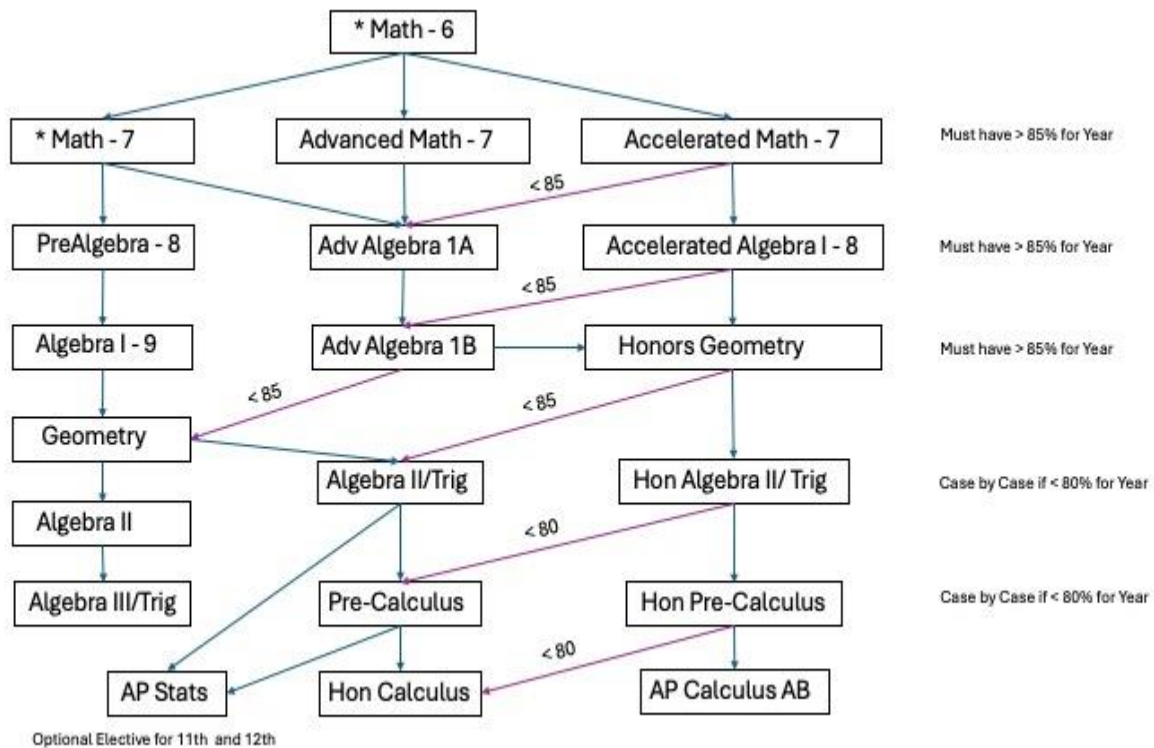
AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

## BRIDGES IN MATHEMATICS

### GRADES 9-12

This is an elective course designed to provide intensive support to students. This course will help students build their conceptual understanding of specific math skills. This course is designed to help students gain confidence in basic math skills required for high school math.

## TRINITY PRESBYTERIAN SCHOOL MATHEMATICS COURSES 2024-2025



\*All 6<sup>th</sup> grade students take the same math course, Math 6. After 6<sup>th</sup> grade, there are 3 math tracks. The regular college prep track, the advanced track and the accelerated track. There are two opportunities to move to the accelerated math track, at the end of 6<sup>th</sup> grade for 7<sup>th</sup> grade or at the end of 7<sup>th</sup> grade for 8<sup>th</sup> grade. After that, it is not possible to move to the accelerated track as the full course on the regular track is a prerequisite course for the class on the accelerated track. To get on the accelerated track at the end of 6<sup>th</sup> grade, students must meet or exceed at least 3 of the 4 following criteria:

- ERB Quantitative Reasoning: **7 or higher stanines**
- ERB Math: **7 or higher stanines**
- 6<sup>th</sup> Grade Math TEST Average: **90% or higher**
- Orleans Hanna (Algebra Readiness Test): **80% or higher**

\*Students in Math 7 may be reconsidered for the accelerated program for 8<sup>th</sup> grade based on the same criteria above, using their 7<sup>th</sup> grade scores. Students in 7<sup>th</sup> grade do not regularly take the Orleans Hanna test so students wanting to be considered need to let administration or their math teacher know they are interested so they may sit for that test.

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. Courses may be added or removed based on student need.

## 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 2<sup>nd</sup> semester or 95% average in Algebra I)
- 12th – *AP Biology, AP Chemistry, Honors Anatomy & Physiology, Honors Physics (85% in Alg.II/Trig. & must be taking Pre-Calculus or Calculus), Environmental/Anatomy, or Environmental/Astronomy*

### 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 9<sup>th</sup> grade, must take Physical Science, or Honors Anatomy (meeting pre-requisites) in 10th grade and Honors Chemistry in 11th grade.

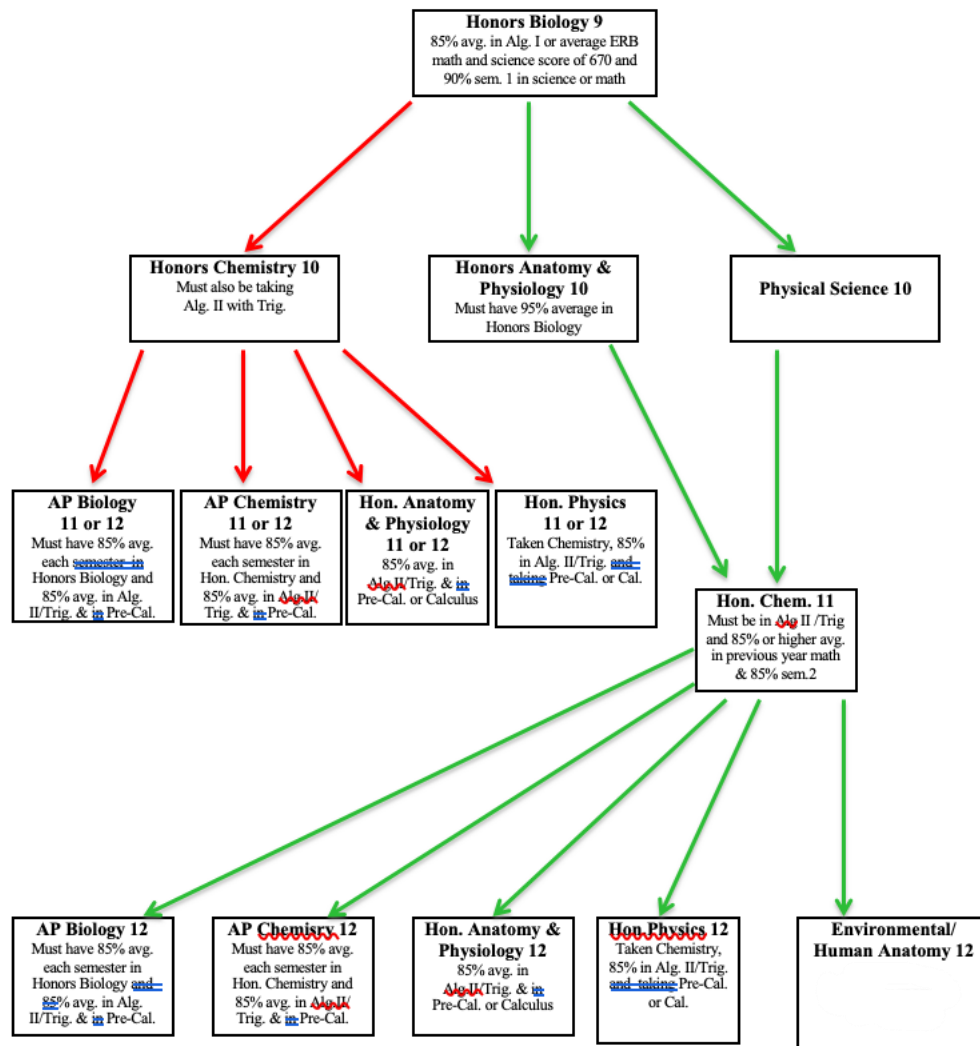
**DEPARTMENT APPROVAL IS REQUIRED FOR ANY STUDENT REQUESTING TWO SCIENCE CLASSES.**

# TRINITY PRESBYTERIAN SCHOOL SCIENCE COURSES

2024-2025

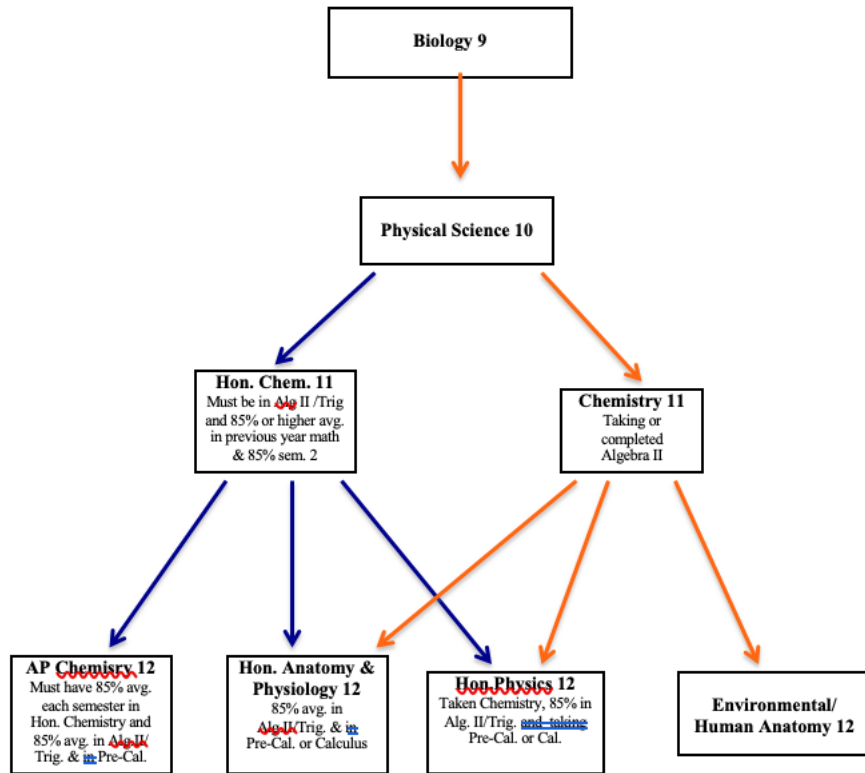
→ Very strong math/science students

→ Good math/science students



## TRINITY PRESBYTERIAN SCHOOL SCIENCE COURSES 2024-2025

- Average math/science students
- Struggling math/science students



## 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-8<sup>TH</sup> 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.

*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.* 39

## HONORS CHEMISTRY

### GRADE 10

#### PREREQUISITES:

- **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

#### PREREQUISITES:

- **MUST BE IN ALGEBRA II/TRIG AND**
- **85% OF HIGHER AVERAGE IN MATH FROM PREVIOUS YEAR (WITH NO LOWER THAN 85% AVERAGE FOR 2<sup>ND</sup> 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 animation and various websites are used to reinforce concepts.

## CHEMISTRY

GRADE 11

PREREQUISITES:

- **TAKING OR ALREADY 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 ANATOMY & PHYSIOLOGY

GRADE 10

PREREQUISITES:

- **COMPLETION OF HONORS BIOLOGY WITH AT LEAST 95% AVERAGE**
- **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 ANATOMY & PHYSIOLOGY

GRADE 11-12

PREREQUISITES:

- **85% AVERAGE IN ALGEBRA II/TRIG**
- **MUST BE TAKING PRE-CALCULUS OR CALCULUS**

*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.* 41

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

**GRADE 11-12**

**PREREQUISITES:**

- **COMPLETION OF CHEMISTRY**
- **85% AVERAGE IN ALGEBRA II/TRIG**
- **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 & PHYSIOLOGY

**GRADE 12**

**PAIRED WITH ONE SEMESTER OF ENVIRONMENTAL SCIENCE**

Human Anatomy and Physiology gives students the opportunity to be introduced to all the human body systems, the organs that are part of those systems and how they function. The students will 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 ONE SEMESTER OF HUMAN ANATOMY & PHYSIOLOGY**

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

*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.* 42

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.

## AP BIOLOGY

GRADE 11-12

PREREQUISITES:

- 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.

## AP CHEMISTRY

GRADE 11-12

PREREQUISITES:

- 85% MINIMUM AVERAGE EACH SEMESTER IN HONORS CHEMISTRY
- 85% AVERAGE IN ALGEBRA II/TRIG AND
- MUST BE TAKING PRE-CALCULUS OR CALCULUS

AP Chemistry is equivalent to two semesters of inorganic chemistry in college. Students will review honors chemistry content and 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.

## AP WORLD HISTORY

### GRADE 10

**\*FULFILLS FINE ARTS/HUMANITIES REQUIREMENT**

**\*FULFILLS WORLD HISTORY II REQUIREMENT IF TAKEN IN 10<sup>TH</sup> GRADE**

### REQUIREMENTS:

- **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 11-12: AT LEAST 80% ON THE PSAT CRITICAL READING SECTION**

AP World History is comprised of the study of six chronological periods viewed through the

*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.* 44

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.

## AP PSYCHOLOGY

**GRADE 11-12**

**\*FULFILLS FINE ARTS/HUMANITIES REQUIREMENT**

AP Psychology is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology.

## 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 Second Industrial Revolution 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.

## AP UNITED STATES HISTORY

**GRADE 11**

**REQUIREMENTS:**

- **MUST HAVE 90% BOTH SEMESTERS IN PREVIOUS YEAR'S HISTORY COURSE (OR 80% IN AP HISTORY COURSE)**
- **RECOMMENDATION OF CURRENT HISTORY TEACHER AND**
- **AT LEAST 80% ON THE PSAT CRITICAL READING SECTION**

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,

*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.* 45

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

**PREREQUISITES: ADMINISTRATION APPROVAL**

**STUDENTS RESPONSIBLE FOR ALL COURSE TUITION COSTS**

AP Macroeconomics (1 semester)

AP Microeconomics (1 semester)

