

High School Class Descriptions

High School students **must sign up for a minimum of 4 classes** in addition to the Wednesday afternoon Daniel Track Course (which they will automatically be enrolled in). Exceptions made for juniors and seniors who are finishing up their graduation requirements.

Books:

All books must be purchased by each family (unless otherwise noted). Please reference the book list.

Daniel Track Course:

This course includes: Wednesday afternoon classes, 1 IHOP conference each semester, weekly assemblies (Tuesday mornings), and 4 extra prayer room/ service hours. **This course counts 2 full credits** towards the HS electives requirement. Please see the following sheet with additional information.

Cost/sem: \$400, plus \$20 book/supply fees (this fee also pays for conference registration costs and offerings for some guest speakers)

Science Philosophy:

Our science program is based on providing students with a solid overview of each branch of science taken. Missouri requires 3 science credits to graduate and 1 of those must include a lab. We have chosen to use material published by Bob Jones University Press, as their material has continued to be updated according to national and state standards and they have also been highlighted as good texts to prepare students for the SAT and ACT exams.

Anatomy and Physiology : This advanced science class will cover both the anatomy and the physiology of the human body's 11 organ systems in detail. **Please note that we will offer this class if we have at least 8 students.**

Prerequisites: Biology and Chemistry (or Physical Science)

Grade level recommendation: 11th or 12th graders

Cost/sem: \$200, plus book and \$20 lab fee (final book choice to be announced when there is enough interest)

Chemistry: This course will give students a foundation in chemistry including concepts as: significant figures, classification, the mole concept, thermodynamics, acids and bases, solutions, atomic structuring, molecular geometry, the gas laws, equilibrium, units, recent chemistry-related research and developments, stoichiometry, thermochemistry, relevant dominion science problems with stimulating discussion starters, and modern materials.

Prerequisites: Algebra 1

Grade level recommendation: 11th or 12th graders, as the subject matter and concepts are more advanced.

Cost/sem: \$200, plus book and \$20 lab fee

Physical Science: Students will gain an exciting and engaging introduction to the world of physics and chemistry, providing the necessary foundation of knowledge and theory for subsequent science courses. This textbook also shows that true science involves glorifying God and serving our fellow humans in some capacity. The text erects a scaffold of basic information regarding matter and measurement early in the text; then builds on that beginning the essential information in classical physics, work and energy, thermodynamics, electricity, magnetism, sound, light, and optics. After grasping these topics, students are equipped to study the structure of the atom, compounds and chemical reactions, and mixtures and solutions.

Prerequisites: none

Grade level recommendation: 10th graders (although other grade students may also take this)

Cost/sem: \$200, plus book and \$20 lab fee

Biology: This course provides students with a detailed introduction to the methods and concepts of general biology including cellular biology, genetics, biotechnology, taxonomy, origins, microbiology, botany, zoology, and human anatomy. The text also presents Christian positions on biotechnology, abortion, evolution and creation, homosexuality, ecology, disease, and drugs.

Prerequisites: Algebra ½

Grade level recommendation: 9th graders, although higher level students may also take this.

Cost/sem: \$200, plus book and \$20 lab fee

English Philosophy:

Our English program is centered around the belief that cultivating a love for good literature will not only teach our students the power of story and expose them to culture-impacting works, but it will also make them better writers. Beginning in Grade 9 and progressing through Grade 12, students will study time enduring works by American, British and World authors, including Hemingway, Conrad, Hawthorne, Twain, Shakespeare and many others. Students will learn how to analyze different types of literary works, and contrast the sometimes perplexing content with God's perspective in Scripture. Discussions and meaningful writing assignments make our English program both challenging and stimulating, encouraging critical thinking and creative expression, while teaching the fundamentals of grammar and composition. The State of Missouri requires 4 credits of English to graduate.

English 3/4: Our English 3/4 class is for juniors and seniors and includes American, British and World literature. This course alternates books read and writing assignments every other year, so a student will not repeat any material when they take this class for 2 years. This course will provide students with the ability to confidently enter college English classes, working extensively on advanced writing and thinking skills, including class discussions and all types of writing. Vocabulary and literary analysis is also emphasized. (see book list)

Prerequisites: English 2

Grade level recommendations: 11th and 12th graders

Cost/sem: \$200, plus books

English 2: This course will build upon English 1 in terms of producing clear and concise writing works, understanding of themes and plots in literary classics (both American and British), along with vocabulary, discussion, and grammar. (see book list)

Prerequisites: English 1 (or approval from administrator)

Grade level recommendations: 10th graders

Cost/sem: \$200, plus books

English 1: This course will introduce high school students to both American and British literature and teach literary concepts including themes, plots, characters, and climax. Students will read, discuss, write and continue learning solid grammar. (see book list)

Prerequisites: none

Grade level recommendations: 9th graders

Cost/sem: \$200, plus books

Math Philosophy:

Our Math program is designed to ground students solidly in math concepts and applications. The State of Missouri requires 3 years of math credits to graduate, beginning with Algebra 1. (High school students will need to take Pre-Algebra before entry into Algebra 1. If a student has not taken Pre-Algebra, they need to sign up for this class first.) Following Algebra 1, a student can take either Geometry or Algebra 2 next. They will then take the other class the following year. More advanced math will be offered as there is interest.

Pre-Calc: This class will be an independent 2 day-a-week tutoring class through Amanda Smith (on Tuesday and Thursdays). The lessons will cover pre-calculus skills in preparation for college, emphasizing functions,

graphing, and trigonometry throughout and introduce differential calculus. (Please contact Miss Smith directly if you want to take this class at tdasmith@gmail.com.)

Algebra 2: This class focuses on developing thinking and reasoning skills through the discussions of algebra concepts such as quadratic equations, polynomials, complex numbers, and trigonometry.

Prerequisites: Algebra 1

Costs/sem: \$200, plus book and graphing calculator

Geometry: A foundation for geometry is laid through the introduction of undefined terms, definitions, and incidence theorems. Logic is introduced as the basis for proofs which focus on congruence, triangles, and quadrilaterals, transformations, symmetry, and similarity. Geometry may be taken before or after Algebra 2. (see book list)

Prerequisites: Algebra 1

Costs/sem: \$200, plus book

Algebra 1: This class will cover real-world algebra problems, including functions and graphing. Algebraic concepts, statistics and probability will be covered. (see book list)

Prerequisites: Pre-Algebra

Cost/sem: \$200, plus book

Social Studies Philosophy:

Our Social Studies program offers the 3 basic credits in this area: Government (1 semester) and Economics (1 semester), American History, and World History. Missouri requires 3 credits for graduation. We also include the Missouri requirement for a Missouri State History unit and test. We recommend that World History and American History be taken before Government/ Economics, as the latter has more difficult subject material.

Government -1stsem: This Government class takes a historical approach to American government, analyzing its levels and branches and explaining its scriptural foundation, providing students with an overview of the changes and developments of our government, along with discussions about current issues. Students will also study the U.S. Constitution, political parties, and elections. (see book list)

Prerequisites: American History and World History recommended

Grade Level Recommendations: 11th or 12th graders as this material is fairly advanced

Costs/sem: \$175, plus book

Economics-2ndsem: This course emphasizes free enterprise capitalism in a free-market economy. The biblical views of work, wealth, and stewardship appear throughout the text, helping students to understand the proper economic roles of individual producers and consumers, as well as that of the government from a conservative, Christian perspective. (see book list)

Prerequisites: American History and World History recommended

Costs/sem: \$175, plus book

American History: This class will trace the history of America from the time of the European discovery to the present. Students will see the influence of physical geography and the development of the free enterprise system, as well as the structure of the U.S. government as it relates to various facets of culture and historical periods. This class can be taken before or after World History. (see book list)

Prerequisites: none

Cost/sem: \$175, plus book

World History: This class will survey physical and political geography from Creation to the present. Students will examine from both a historical and a geographical perspective, focusing on the relationship between Christians and the

world's political systems, as well as contributions from other cultures. This class may be taken before or after American History. (see book list)

Prerequisites: none

Costs/sem: \$175, plus book

Foreign Language Philosophy:

While Missouri does not require a foreign language credit to graduate, we strongly recommend students take at least 2 years of foreign language (in a consecutive language). Many colleges require at least 2 consecutive years and some require more. We suggest you start researching colleges that your student may be interested in applying for to know their admission requirements. TDA currently offers 2 years of Spanish for our students. The classes will count toward the elective credit requirement.

Spanish 2: Students will build upon their foundation from Spanish 1 and will learn to communicate in everyday situations, such as in schools, restaurants, stores, hotels, doctor's offices, etc. They will continue to learn key grammatical principles. (see book list)

Prerequisites: Spanish 1

Cost/sem: \$175, plus book

Spanish 1: Students will learn the basics of the Spanish language including greetings, verb conjugations, basic vocabulary, pronunciation, and grammatical structure. (see book list)

Prerequisites: none

Cost/sem: \$175, plus book

Other Classes Offered Monday and Friday afternoons:

Please see document with all graduation requirements listed.

ACT Prep Class (4th hour fall semester, 12:15-1:15pm): This class will help all students to score well on the ACT test which should be taken in the spring of your junior year and then as often after that to improve your score as you want. This class will count as a ½ credit elective class. **Please note that we will offer this class if we have at least 8 students.**

Prerequisites: 11th – 12th graders

Cost: \$175, plus \$30 book fee

Art Masterpieces and Prophetic Art (5th hour fall semester, 1:15-2:15pm): Students will be exposed to different great works of art as well as learn more about what "prophetic art" is and how God uses it. This class will count ½ credit towards the 1 credit Fine Arts Credit. **Please note that we will offer this class if we have at least 8 students.**

Prerequisites: none

Cost: \$175 plus \$20 supply fee

PE (6th hour fall semester, 2:15-3:15pm): This class will be offered at TDA and will give students the opportunity to learn skills for different sports and also work on fitness. This class will count ½ credit towards the 1 credit PE MO graduation requirements, so it must be taken for 2 years. (Due to the usual bad spring weather, we will not offer PE next semester. If you are a senior and do not have any prior PE credits, you will need supplement that on your own through a local gym or sports team.)

Prerequisites: none

Cost: \$175, plus mat and weights

Choir (6th Hour Elective): Students will audition and sing different styles of music, learn some basic sight-reading and pitch skills and perform at the end of the semester. This class will count ½ credit towards the 1 credit Fine Arts Credit. **Please note that we will offer this class if we have at least 8 students.**

Prerequisites: none

Cost: \$175 plus \$20 music fee

STUDY HALL COST PER INDIVIDUAL STUDY HALL: \$40