

High School Class Descriptions

All high school students **must take their core classes (science, English, math, history) through TDA.*** (We do welcome homeschoolers to take up to 3 classes with us each semester as well.)

In addition 9th and 10th graders will take Daniel Track 1.

11th graders will take Daniel Track 2 and Foundations 1.

12th graders will take Daniel Track 2 and Foundations 2.

9th – 11th grade students need to sign up for a minimum of 6 classes (unless special permission is given). Students may help intern in a classroom for 1 of the 6 class periods.

12th grade students need to sign up for a minimum of 5 classes (unless special permission is given). Students may help intern in a classroom for 1 of the 5 class periods.

Books:

All books must be purchased by each family (book list will be emailed with acceptance to TDA).

28 CREDITS NEEDED FOR GRADUATION

4 - English credits*

3 - Math credits (4 are preferred for most colleges now and strongly encouraged by TDA)*

3 - Science credits (4 are preferred for many colleges now and strongly encouraged by TDA)*

3 - History/Social Science*

2 - 2 consecutive years of foreign language

1 - Fine Arts

1 - PE

1 - Practical Arts

.5 - Health

.5 - Personal Finance (must be taken in 10-12th)

9 – Electives (including):

- 9th grade Daniel Track I – 2 credits
- 10th grade Daniel Track I – 2 credits
- 11th grade Daniel Track II and Foundations 1 – 1 credit each or 2 total
- 12th grade Daniel Track II and Foundations 2 – 1 credit each or 2 total
- Other electives
- In-school service, internships and helping in other classes may be counted as well

11th and 12th grade Daniel Track 2 Biblical Worldview and Leadership (this is a required TDA class):

For 11th-12th graders these students will have a semester (or more) of an IHOP-U class (which gives them dual credit) and a semester of various other equipping topics.

This course includes: Wednesday afternoon classes, morning assemblies (including the extended Thursday morning assembly), two prayer room hours per week, and 6 service hours per 6 week period (1/week or in a group), which are counted separately (i.e. not towards credit but towards service hours on transcripts).

This course counts 1 credit towards the HS electives requirement.

9th and 10th grade Daniel Track 1 Biblical Worldview and Leadership (this is a required TDA class):

For 9th-10th graders these students will have 2 alternating years consisting of 1) a semester of Old Testament Survey and a semester of Leadership and Excellence and 2) a semester of New Testament Survey and a semester of World Views.

This course includes: Wednesday afternoon classes, one 2-3 day conference each semester (put on by a partnering ministry), morning assemblies (including the extended Thursday morning assembly), 2 prayer room hours per week and 1 service or additional prayer room hour per week.

This course counts 2 credits towards the HS electives requirement.

Foundations 2 for 12th graders and Foundations 1 for 11th graders (this is a required TDA class):

These classes encompass multiple preparations for students in their last 2 years of high school designed to prepare students to leave TDA as influencers in society. Some of the topics covered include goal setting, dream and gifting assessment, personal branding, Daniel curriculum, resume writing, college applications, college and job fairs, portfolio creation, 7 mountain research, service in the community, key topic debates (homosexuality, evolution, feminism, etc) and innovation/ entrepreneurialism.

Science Philosophy (this is a required TDA core category):

*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 (which all of our sciences include). We have chosen to use material published by Bob Jones University Press and Apologia, as their materials have 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. **Many colleges are looking for 4 sciences that include Chemistry and Physics.***

Physics : This advanced college-prep science course is designed to give the student a detailed introduction to the methods and concepts of general physics, heavily emphasizing vector analysis and provides the student with a strong background in one-dimensional and two-dimensional motion, Newton's laws and their application, gravity, work and energy, momentum, period motion, waves, optics, electrostatics, electrodynamics, electrical circuits and magnetism.

Prerequisites: Algebra, Geometry and basic Trig functions

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

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.

Grade level recommendation: 10th-12 graders

Prerequisites: Algebra 1

Anatomy and Physiology: This advanced biology class will cover both the anatomy and the physiology of the human body's 11 organ systems in detail.

Prerequisites: Biology

Grade level recommendation: 10th – 12th graders

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: none

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

English Philosophy (this is a required TDA core category):

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 (or 4/3 on alternating years): English 3/4 continues to study pieces of literature, as well as other forms of writing including poetry and short stories. Various kinds and styles of writing is highlighted in this class, with the goal for college preparation in mind.

Prerequisites: English 2

Grade level recommendations: 11th and 12th graders

English 2: This course will build upon English 1 in terms of understanding the themes and plots in literary classics (both American and British), along with vocabulary, discussion, and grammar.

Prerequisites: English 1

Grade level recommendations: 10th graders

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.

Prerequisites: none

Grade level recommendations: 9th or 10th graders

Math Philosophy (this is a required TDA core category):

*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. Following Algebra 1, a student can take either Geometry or Algebra 2 next. They will then take the other class the following year. Algebra taken in 8th grade may count towards the Missouri graduation requirements. **Many colleges are requiring a 4th year of math and we strongly encourage our seniors to take Pre-Calc.***

Pre-Calculus: This class will cover pre-calculus skills in preparation for college, emphasizing functions, graphing, and trigonometry throughout and introduce differential calculus.

Prerequisites: Algebra 2 and Geometry ; student must purchase graphing calculator

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 ; student must purchase 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.

Prerequisites: Algebra 1

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

Prerequisites: Pre-Algebra

Social Studies Philosophy (this is a required TDA core category):

Our Social Studies program offers the 3 basic credits in this area: Government and Economics, 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 require that World History and American History be taken before Government/Economics, as the latter has more difficult subject material.

Government & Economics: This 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, and studies of the U.S. Constitution, political parties and elections. Free enterprise capitalism in a free-market economy, along with biblical views of work, wealth and stewardship will accompany the economic section of the class.

Prerequisites: American History and World History

Grade Level Recommendations: 11th - 12th graders

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.

Prerequisites: none

Grade Level Recommendations: 9th -11th graders

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.

Prerequisites: none

Grade Level Recommendations: 9th-11th graders

Foreign Language Philosophy:

While Missouri does not require a foreign language credit to graduate, TDA DOES require at least 2 years of a 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 Spanish and French.

Spanish 1: Students will learn the basics of the Spanish language including greetings, verb conjunctions, basic vocabulary, pronunciation, and grammatical structure.

Prerequisites: none

Credit: TDA language credit

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.

Prerequisites: Spanish 1

Credit: TDA language credit

French 1: Students will learn the basics of the French language including greetings, verb conjunctions, basic vocabulary, pronunciation, and grammatical structure.

Prerequisites: none

Credit: TDA language credit

French 2: Students will build upon their foundation from French 1 and will learn to communicate in everyday situations, such as in schools, restaurants, store, hotels, doctor's offices, etc. They will continue to learn key grammatical principles.

Prerequisites: French 1

Credit: TDA language credit

Other Classes Offered:

ACT and College Prep (4th hour fall semester): Students will do a variety of preparation for college, including ACT studying and practice testing, grant and scholarship applying, etc.

Prerequisites: recommended for 11th and 12th graders

Credit: This class counts ½ credit towards electives.

Personal Finance (4th hour spring semester): This class will help students gain competency in areas of income, money management, spending and credit, and saving and investing and is a Missouri graduation requirement.

Prerequisites: 10th – 12th graders

Credit: This class counts ½ credit to fulfill the Personal Finance credit.

Web Design and Computer Skills (5th hour fall semester): This class will teach students the basics plus more advanced applications such as web design, web site creation, Word, Power Point, Excel and other necessary computer programs.

Prerequisites: none, recommended for 9th-12th graders

Credit: This class counts ½ credit towards the Practical Arts requirement

Yearbook (5th hour spring semester): This class encompasses many aspects of producing our school yearbook including photography, design, plan, layout, printing and selling ads. Lots of fun and a great learning experience too!

Prerequisites: none

Credit: This class counts 1/2 credit towards the Practical Arts requirement.

PE and Weight Training (6th hour): This class will be offered at TDA and will give students the opportunity to learn skills for different sports and also work on fitness.

Credit: This class counts ½ credit each semester towards the 1 credit PE requirement.

Health (6th hour spring semester): This class will help students understand the basic needs of the human body and the importance of good nutrition, rest, and exercise. Students will learn how to promote physical, emotional, intellectual, and spiritual health.

Prerequisites: none

Credit: This class counts ½ credit to fulfill the Health requirement.

Sustainable Gardening and Business Incubator (6th hour fall and spring semester): – Join this fun combination of working on projects on our grounds, as well as work on innovative TDA businesses where students will help brainstorm, create, work on and get some proceeds from their business. Other themes will include: 1) the principles of sustainable agriculture and landscape design, 2) growing food that can be utilized by our community, 3) seed and food co-oping with heirloom seeds and germinating seed starts, 4) edible landscaping, pruning and no-maintenance gardening, and 5) our own chickens.

Prerequisites: none;

Credit: This class will count as 1/2 credit each semester towards an elective or Practical Arts.

Choir (6th hour fall semester): This class will get to sing a variety of songs and styles of music. Students don't need to have an awesome voice, but will need to be able to roughly stay on pitch. Students will perform at our Christmas program and possibly other places as well.

Prerequisites: none

Credit: This class counts ½ credit each semester to the Fine Arts requirement.

Art and Ceramics (4th hour spring semester): Students will use different mediums and outlets for art and creativity. This class will work with the Gardening class on projects and school beautification.

Prerequisites: none, recommended for 9th-12th graders

Credit: This class counts ½ credit towards the Fine Arts requirement