

TDA High School Class Descriptions

All high school students must take their core classes (Science, English, Math, and History) and Bible (Daniel Tracks 1 & 2) through TDA. (Homeschool students are welcomed to take up to 3 classes with us each semester.) Seniors will also do a Senior Internship and take Senior Foundations. All students are required to take the ACT test prior to graduation, including the writing portion of this test. (They may want to additionally consider taking the SAT.)*

31 CREDITS NEEDED FOR GRADUATION

- 4 - English credits
- 4 - Math credits
- 4 - Science credits
- 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)
- 10 – Electives (including):
 - 9th grade Daniel Track I – 2 credits
 - 10th grade Daniel Track I – 2 credits
 - 11th grade Daniel Track II - 2 credits
 - 12th grade Daniel Track II - 2 credits
 - Senior Internship and Foundations – 2 credits

**Please note: For certain classes, TDA may partner with UMKC, GCU, and STA in our dual-credit program. There is an extra cost if a student opts for dual credit.*

Books:

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

DANIEL CLASSES

These are classes that are unique to The Daniel Academy. We believe these classes are part of what will equip and train the students to become modern day Daniels in the world. These classes will help teach them to bring God's heart and ways to all areas of society. We will look at the Word, and the world, and get God's perspectives. We will train them and give them language for current issues. We will use these classes to give them confidence to stand upon the Word and to become leaders wherever they go.

Daniel Groups: This is a weekly class where all high school students will gather to learn and discuss how to walk out a Daniel Lifestyle. They will cover relevant topics, look into Scripture to see what it has to say about the topic, give Biblical responses to these topics, and give language for these topics. The students will be better equipped to face challenges as they have already studied and processed these in their classes and in their small groups. Class will usually meet as a large group for a teaching, then split up into age/gender appropriate groups for discussion.

This course credits is included with Daniel Tracks 1 and 2.

Biblical Worldview: This course takes a look at topics throughout humanity and view it from Biblical perspectives. The students will learn the history to these topics and view it through the Word. They will discuss how Jesus reforms individuals, who will reform a culture. There is a supernatural role throughout the reformation of culture. Some topics covered are: Value and Sanctity of Life, Care and Compassion, Restoring Worship, Restoring

Dignity to Women, Political Liberty, Labor and Economic Freedom, and Arts and Literature.

This course counts as .5 credit towards a TDA required elective.

9th and 10th grade Daniel Track 1 - Biblical Understanding and Application: 9th-10th grade students will have 2 alternating years. They learn to look for Jesus as they read the Scriptures. They search the Word to understand the foundation of their faith. They practice meditating/journaling, making a habit of spending time with the Lord, writing out prayer cards for each other, and sharing with each other their meditations weekly. The students are strengthened and encouraged when they hear how the Word has impacted their peers.

This yearlong course counts as a TDA required elective worth 2 credits per year, combined with morning assemblies, weekly prayer room hours, Daniel Groups, and quarterly service hours.

11th and 12th grade Daniel Track 2 - Biblical Understanding and Application: 11th-12th grade students take time to read through the New Testament and the Old Testament to get an overview of God's heart. They not only ask for God's heart, they also practice meditation and application of the Word in order for their lives to be transformed. They develop habits and skills to take with them as they graduate and are launched out into the world. These tools will help them engage in the Word while in the world, not conforming to the patterns of the world, but instead bringing reformation with the Word. Their leadership training is learning to receive authority from the Word of God, learning to recognize the voice of God, His heart and His ways, so that they may influence the people and the spheres of society where they are sent. They sharpen each other by regularly sharing their findings in the Word with each other. They practice praying and prophesying to one another so that they will confidently pray and prophesy to others outside the safe walls of TDA. They are equipped to walk with confidence in the Word of God.

This course counts as a required elective worth 2 credits, combined with morning assemblies, weekly prayer room hours per week, and quarterly service hours.

Senior Foundations: Our Foundations class is created to prepare our students to be confident in the unique ways God has created them so that they will bring their gifts into the world and become influencers in society when they leave high school. Some topics and assignments covered are recognizing their giftedness set (natural abilities, acquired skills, and spiritual gifts); discovering, packaging, and preaching their life messages; dream and gifting assessments; goal setting, college applications, college and job fairs; portfolio creation of their major discoveries and work done throughout high school. Our students solidify their identity before the Lord, solidify the knowledge of how He has created them, and solidify confidence in the gifts He has put in them. This is our capstone class where we prepare the students to be launched out into the world well - as shining and burning lights!!

Seniors Internships: Our seniors will have a tailor-made internship during their senior year. They receive hands-on experience in a field of their interest. They will learn skills, and at the same time, have an opportunity to practice bringing God's heart and ways into society while they are still at TDA.

If Seniors are attending STA regularly, that will be their internship. STA will include all of the internship factors that we want our students to have.

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 (which all of our sciences include). TDA requires 4 sciences as many colleges are looking for that. We have chosen to use some different publishers, including material Bob Jones University Press, Apologia, and others. Our materials are chosen to prepare students for the SAT and ACT exams.

AP Physics with an UMKC dual credit option: This 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. To take this class as an AP class, there is an extra fee added to the tuition. There will also be an extra point added to the final grade.

To take this class for dual credit, there is an extra tuition due to UMKC.

Prerequisites: Algebra, Geometry and Algebra II

Grade level recommendation: 11th - 12th grades

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 -12th grades

Prerequisites: Algebra 1 and concurrent with Algebra II

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 grades

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 grade, although higher level students may also take this.

ENGLISH PHILOSOPHY

Our English program is centered on 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 challenging and stimulating. We are 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.

AP English 4: English 4 is the culmination of all they have learned in the past few years. They will continue to be challenged to write papers related to their literature books. They will continue to write and give speeches and tell stories. English 4 will write an extensive 7 mountain research paper where they explore God's heart and ways in each mountain of society, including interviewing individuals from the mountain of their choice. AP English will also prepare the students to take and pass the AP Exam in Spring.

To take this class as an AP class, there is an extra fee added to the tuition. There will also be an extra point added to the final grade.

Prerequisites: English 3

Grade level recommendations: 12th grade

Honors English 3: English 3 continues to study pieces of literature, as well as other forms of writing including poetry and short stories. Various kinds and styles of writing are highlighted in this class, with the goal of college preparation in mind.

Prerequisites: English 2

Grade level recommendations: 11th grade

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 grade

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 - 10th grades

MATH PHILOSOPHY

Our Math program is designed to ground students solidly in math concepts and applications while building essential problem solving skills. The State of Missouri requires 3 years of math credits to graduate, though TDA requires 4 maths as most colleges are looking for this. The first math credit is Algebra which can be taken in 8th grade and count towards the Missouri graduation requirements. Following Algebra 1, a student can take either Geometry or Algebra 2 next (taking the other class the following year). Following these classes, students can either take Pre-Calculus or College Algebra for credit at UMKC.

AP Calculus with an UMKC dual credit option: AP Calculus AB is an introductory college-level calculus course which cultivates an understanding of differential and integral calculus graphically, numerically, analytically, and verbally. We will cover concepts like change, limits, and the analysis of functions. This class will cover the first semester of college level calculus. As an AP course this class will prepare students to take and pass the AP Calculus AB test in Spring. The AP Calculus class is a rigorous course. If students choose to take this class as an AP class, they must be prepared to tackle challenging concepts and spend extra hours on homework. There is an additional fee added to the tuition for the AP option.. There will also be an extra point added to the final grade.

To take this class for dual credit, students will need to pay a reduced tuition to UMKC.

Prerequisites: Pre-Calculus

Precalculus with an UMKC dual credit option: This class will cover pre-calculus skills in preparation for college level calculus, emphasizing functions, graphing, and trigonometry throughout and will introduce differential calculus. To take this class for dual credit, students will need to pay a reduced tuition to UMKC.

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

College Alg with an UMKC dual credit option: This class will build on concepts developed in Algebra 2 including functions and graphs with an emphasis on real world applications. Our study of functions will include inverses, compositions, and transformations of functions. Using real world situations, we will continue to build skills in solving equations, systems of equations, and inequalities. We will graph and analyze linear, quadratic, polynomial, and rational, exponential and logarithmic functions and applications. The second semester will introduce matrix theory and linear programming. The final quarter of the year will focus on applied statistics.

Prerequisites: Algebra 2 and Geometry (additional tuition paid to UMKC for college credit)

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 and Geometry; 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 concepts, including functions and graphing, linear and quadratic relations and solving equations. Statistics and probability will also be covered. Students must purchase a graphing calculator before the second semester of this course. .

Prerequisites: Pre-Algebra

SOCIAL STUDIES PHILOSOPHY

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

AP Government: 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. This class will be taught with a college level textbook, preparing students to take and pass the AP exam in the Spring.

To take this class as an AP class, there is an extra fee added to the tuition. There will also be an extra point added to the final grade.

Prerequisites: American History and World History

Grade Level Recommendations: 11th - 12th grades

Economics: 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 grades

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 grades

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 grades

FOREIGN LANGUAGE PHILOSOPHY

While Missouri does not require a foreign language credit to graduate, TDA DOES require at least 2 consecutive years of a foreign language (in the same 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, French, and Chinese through our Foreign Language Labs. Each student will go to the lab daily, and complete their assignments online. On Mondays, the first year students will have a live teacher. On Tuesdays, the 2nd year students will have a live teacher. On

Thursdays, the teacher will combine all levels and have a conversational class.

ADDITIONAL CLASSES

GCU Dual Credit Psychology: We offer Psychology from a Christian perspective in order to educate and prepare students for collegiate social science classes. We will discuss different theories and ideas around how people think and act, as well as look at what the Lord desires in this important field of study. (additional tuition paid to GCU for college credit)

Prerequisites: 3.0 GPA or higher, 11th - 12th grades

Credit: This class counts as .5 credit to the Practical Arts requirement.

Art : 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 grades

Credit: This class counts .25 credit towards the Fine Arts requirement

College/ACT/SAT Prep: Students will do a variety of preparation for college or certificate programs, including ACT studying and practice testing, grant and scholarship applying, resume writing, college applications, etc.

Prerequisites: recommended for 10th - 12th grades

Credit: This class counts .25 credit toward electives.

Engineering Practicum: Students will be working on real life challenges and needs for a business. Last year we focused on the company, Posty Cards, and this year are working on-site at TDA. This class is helping develop more sustainability (energy conservation, solar power, recycling, heating/cooling studies, etc), as well as meeting with other companies in the city on what they are doing in this arena. (extra cost \$100, offered spring semester only)

Prerequisites: student needs to get approval in order to join the class

Credit: This class will count as .25 Practical Art requirement

Film Making/ Video production/ Youtube: Students will learn about different mediums and ways to bring influence to our world through media. Students will learn through hands-on projects.

Prerequisites: none

Credit: This class counts .5 credit each semester to the Practical Arts requirement.

Home Improvement Skills: Students will learn hands-on "Do It Yourself" home improvement skills, for example: building planters, painting, drywall repair, sealing a crack, snaking a drain, gardening, and other basic handyman skills.

Credit: This class will count .25 credit/semester towards the Practical Arts requirement.

Health: 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. This is a MO graduation requirement.

Prerequisites: none

Credit: This class counts .5 credit to fulfill the Health requirement.

Musical Theatre: Musical Theatre will cover the basics of performance technique and the fundamental for reading music. In class we will work on creating disciplines that will go far beyond the stage and create a healthy work ethic in all areas of life.

Credit: This class counts .5 credit each semester towards Fine Arts.

Personal Finance: 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 grades

Credit: This class counts .5 credit to fulfill the Personal Finance credit.

Physical Education: 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 .25 credit each semester towards the 1 credit PE requirement.

Worship Team Class: Students will learn all aspects of working together to prepare and play sets during morning worship. Students can participate by playing an instrument, singing, or being part of the sound team.

Prerequisites: none

Credit: This class counts .25 credit each semester to the Fine Arts requirement. (there is an extra cost TBA)

Yearbook: 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 .5 credit towards the Practical Arts requirement.