

# Denton Calvary Academy

## Academic Planning Guide 2023-2024



“The vision of Denton Calvary Academy is to see our students, today and tomorrow, glorify the Lord Jesus Christ by improving the lives of others through a lifelong love of learning, discovery and service.”

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## ***DCA Graduation Requirements Class of 2024+***

<b>Subject Area</b>	<b>Distinguished (26 credits)</b>
English	4
Social Studies	4
Science	4
Mathematics	4
Foreign Language	2
Bible	2
Fine Arts	1
Electives	2.5
-Computer	1
-Speech	.5
Physical Education	1

### **Denton Calvary Distinguished with Honors Diploma Plan**

The Distinguished with Honors requirements accommodate students who desire to complete coursework that will aid them in the application process to highly selective colleges.

Requirements: Algebra I, Geometry, Algebra II, Pre-Calculus or Foundations of College Algebra. Either Calculus or English IV must be taken at DCA. Students are required to complete three years of the same foreign language. For a complete list of specific class requirements, please see the academic advisor.

## ***Course Descriptions:***

### **6<sup>th</sup> GRADE**

#### **English 6**

*Prerequisite: English 5*

*For grade: 6*

This course will emphasize the development of skills used in oral and written language for the purpose of effective communication by reviewing capitalization and punctuation rules, types of sentences, and the eight parts of speech and their uses. Students will learn to take notes, write an outline, summarize narrative stories, write stories from pictures, and use reference tools to write a research paper. They will develop an understanding of and appreciation for fine literature by reading and discussing excellent books and poetry. Vocabulary will be strengthened through use of a separate vocabulary program.

#### **History 6**

*Prerequisite: History 5*

*For grade: 6*

Through this course, students will gain a global understanding of history from the time of Victoria's Empire to the end of the USSR. Students will be actively involved in their education through special projects designed to enrich their understanding of government and culture. Additionally, students will study the physical features and points of significance of each continent. The instructor will supplement the material to provide a Christian Worldview as students are guided to understand their responsibility in our unique government and culture.

#### **Science 6**

*Prerequisite: Science 5*

*For grade: 6*

This course will cover the basics of earth science, physical science, and biology. Students will study classification, cell structures, and systems of plants, animals, and people, thus helping them to understand living things from a different perspective. The course will encourage the student not only to learn about science but also to be a part of the scientific discovery process.

## Math 6

*Prerequisite: Math 5*

*For grade: 6*

This course will further students' understanding of math operations with whole numbers, decimals and fractions in order to prepare them for higher level math. Geometric concepts such as plane figures, linear measure, perimeter, area, and volume for solid figures will be covered. The course will emphasize development of problem-solving skills through lessons on proportions, percent, statistics, and pre-algebra. Estimating receives emphasis as an important means of asking, "Is the answer reasonable? Does it make sense?" The curriculum includes skill practice activities, mental math problems, and a spiraling review.

## Keyboarding

Prerequisite: None

For grade: 6

This course will provide students with the foundational skills needed for using a keyboard in a PC computing environment. Students will learn proper finger placement and techniques for keyboarding effectively. Students will continue to improve their speed and accuracy through exercises designed to assess and challenge them to become more proficient typists. Additionally, students will be introduced to Google Applications and learn how to use programs such as Google Docs, Slides, and Sheets efficiently. Students will get a very basic introduction to Adobe Creative Cloud and Illustrator.

**SEE MIDDLE SCHOOL ELECTIVE CHOICES ON PAGE 10.**

**SEE EXTRACURRICULAR CHOICES ON PAGE 12.**

# 7th GRADE

## Bible Survey

*Prerequisite: None*

*For grade: 7*

Students will cover a range of topics in Bible Survey, beginning with an overview of the Bible. Students will build a basic foundation in the story of the Bible as a whole in order to have a “big picture” of both the Old Testament and New Testament. Bible study methods will be introduced in order to teach students how to study the Bible for themselves through observation, interpretation, and application. They will then turn their attention to learning the Gospel of Jesus Christ through a study of the Beatitudes. As a means of application, students will end the year by considering Spiritual Gifts and Spiritual Disciplines such as prayer, service, fasting, and solitude.

## English 7

*Prerequisite: English 6*

*For grade: 7*

This course will continue to stress the development of skills used in oral and written language by reviewing capitalization and punctuation rules, types of sentences, and the eight parts of speech and their uses. Students will write outlines, summaries, essays, letters, and a research paper. They will develop an understanding of and appreciation for fine literature by reading, discussing, and writing about excellent books and poetry. Vocabulary will be strengthened through use of a separate vocabulary program.

## History 7

*Prerequisite: History 6*

*For grade: 7*

This course will follow the history of Texas from its early discovery to the present, including a study of the cultures of Native Americans, European exploration, colonization, revolution, republic, and statehood. Students will study key individuals, events, and issues that have impacted Texas. Students will identify regions and topography, population trends, and factors that moved Texas from an agrarian to an urban society. Students will describe the structure and functions of government from the municipal, county, and state levels, examining the Texas Constitution and the influences that shape it in addition to the rights and responsibilities of citizens of Texas. Students will study scientific discoveries and technological innovations such as barbed wire and the oil and gas industries, and analyze the impact of these on the development of Texas. Students

will examine primary and secondary sources in their study of the creation, culture, and personalities that have shaped Texas.

## Science 7

*Prerequisite: Science 6*

*For grade: 7*

This course will use the principles taught in the Word of God to observe and cover the following concepts in *Life Science*: the foundation of life science, the heredity and the origin of life, microbiology and plant biology, the Animal Kingdom, and the structure and function of the human body.

## Pre-Algebra

*Prerequisite: Math 6*

*For grades: 7 or 8*

This course serves as the transition from arithmetic to algebra. Students will thoroughly practice concepts of numbers (integers, rational, and real), area, percent, and ratios. In addition, they will explore beginning concepts of algebra such as equations and graphing.

## Or Fundamentals of Math

*Prerequisite: Math 6*

*For grade: 7*

*Fundamentals of Math* covers concepts such as whole numbers, decimals, number theory, fractions, and an introduction to algebra and geometry in order to strengthen math skills prior to a more in-depth study in Pre-algebra. The class will promote critical thinking skills and the application of mathematics in everyday life.

**SEE MIDDLE SCHOOL ELECTIVE CHOICES ON PAGE 10.**

**SEE EXTRACURRICULAR CHOICES ON PAGE 12.**

## 8th GRADE

### English 8

*Prerequisite: English 7*

*For grade: 8*

This course will provide further development of oral and written language skills by reviewing capitalization and punctuation rules, types of sentences, and the eight parts of speech and their uses. They will write outlines, summaries, essays, letters, and a research paper. They will develop an understanding of and appreciation for fine literature by reading, discussing, and writing about excellent books and poetry. Vocabulary will be strengthened through use of a separate vocabulary program.

### History 8

*Prerequisite: TX History*

*For grade: 8*

This course will cover the major eras in US history through 1865. Students will study European exploration and colonization of North America; the colonial period; the Revolution and new Republic, including the Declaration of Independence and Constitution; Manifest Destiny and westward expansion; tariff policies and contributing factors to the Civil War; the Civil War and Reconstruction. Students will study the role Christianity has played in the formation and continuation of America's history. They will supplement their study by reading biographies and other literature from the time period.

### Science 8

*Prerequisite: Science 7*

*For grade: 8*

This course in Physical Science will integrate chemistry, physics, earth science, space science and applied mathematics. The introductory program will emphasize the connections between these subjects and cross-disciplinary applications with the goal of helping students to think analytically like scientists.

## Pre-Algebra

*Prerequisite: Math 6 or Fundamentals of Math*

*For grades: 7 or 8*

This course serves as the transition from arithmetic to algebra. Students will thoroughly practice concepts of numbers (integers, rational, and real), area, percent, and ratios. In addition, they will explore beginning concepts of algebra such as equations and graphing.

## Or Algebra I

*Prerequisite: Pre-Algebra*

*For grades: 8 or 9*

*(1 credit)*

This course will review and build upon the basic language of algebra, including variables and expressions as well as arithmetic with real numbers. Students will master solving linear equations, linear inequalities, and linear systems as well as graphing linear functions. Students will also explore polynomials, factoring, quadratics, and irrational numbers.

## Computer Applications

*Suggested Prerequisite: Keyboarding*

*For grade: 8*

*(1 credit- required for graduation)*

This full-year course will provide students with a working knowledge of computers and prepare them to be proficient in Google applications such as Docs, Slides, and Sheets. Computer Applications will build upon the 6th-grade Keyboarding course, though students do not need to meet a minimum keyboarding wpm. Computer applications will also introduce students to the Adobe Creative Cloud, which includes applications such as Illustrator, Photoshop, and more. This course will sharpen students' problem-solving skills and allow them space to practice both business and creative processes on the computer.

**SEE MIDDLE SCHOOL ELECTIVE CHOICES ON PAGE 10.**

**SEE EXTRACURRICULAR CHOICES ON PAGE 12.**

## MIDDLE SCHOOL ELECTIVES:

### Intro to Athletics

*Prerequisite: None*

*For grades: 6*

The Intro to Athletics class will encompass all sports, concentrating on improving skills so that students will be ready to compete if they chose to be in athletics in 7th or 8<sup>th</sup> grade. This class will have some competitive elements and we will be looking for age-appropriate tournaments and games to play. The class will also offer an intro into strength training concentrating on body weight with proper technique and form. (This class is not required to participate in athletics in middle school.)

### Art Studio

*Prerequisite: None*

*For grade: 6-8*

This course will be a hands-on art class, allowing students to delve into creative art projects. Students will analyze the elements and principles of design in addition to various artists and styles as they apply them to their own artistic creations. As the students produce original masterpieces, many techniques and mediums will be explored, including pencil, colored pencil, marker, chalk, oil pastel, paint, etc.

### Choir

*Prerequisite: None*

*For grades: 6-8*

A music course including instruction in what it means biblically to worship God, as well as basic music theory and choral singing technique. The choir will perform concerts featuring songs that explicitly glorify God as well as unobjectionable songs from various genres. The choir will likely collaborate with the orchestra and other groups. Beginners welcome; no experience required.

### Introduction to Spanish

*Prerequisite: None*

*For grade: 8*

This course will provide an introduction to the language and cultures of Spanish-speaking countries. The goal of the course is to provide a foundation in the Spanish language and culture for students who have no previous experience in the language, thus preparing them for future study. The basic skills of listening, speaking, reading, and writing will be introduced and practiced through meaningful interactions that reflect God's purpose for creating languages.

# Robotics

*Prerequisite: None*

*For grades: 7 & 8*

*Fall Semester*

Students will learn about engineering and engineering problem solving through an introductory course involving building, controlling, and programming robots. No prior robotics experience is required; beginners are able to advance through the curriculum to gradually increase their knowledge and skill level. The course is structured to cover the full design process: think phase (brainstorm), create phase (plan), build phase (hands-on), and amaze phase (testing).

# Coding

*Prerequisite: None*

*For grades: 7-8*

*Spring Semester*

In our ever increasingly digital society, knowledge of computers, apps, and coding is a beneficial skill. Students will learn the basics of coding in this hands-on class. No prior coding experience is necessary, because the curriculum can be tailored to meet the individual needs (or goals) of each student. Students will learn how to build an app, design web applications, program a video game, problem solve, and debug code. After learning the basics, students will have freedom in choosing the type of coding projects they want to complete.

# EXTRACURRICULAR ACTIVITIES

## Athletics

Boys:	Football (7 <sup>th</sup> -8 <sup>th</sup> )	Girls:	Volleyball
	Basketball		Basketball
	Tennis		Tennis
	Track		Track
	Cross Country		Cross Country

### Special Notes about Athletics:

**Tennis-** There are limited tennis matches available for junior high students; however, 6<sup>th</sup>-8<sup>th</sup> graders are encouraged to participate to receive instruction and develop their skills.

**Parents, please be advised when selecting athletics for new middle school students that most team sports involve a rigorous practice and game schedule, requiring an after-school commitment 4 to 5 days a week and travel to some away games (minimum time commitment of approx. 10 hours weekly).**

## Drama Club

### Practices held on T/TH 9am - Noon

*For grades: 6-12 (Middle School is spring only due to High School One-Act Play in fall)*

As a club for beginning and trained actors and speakers, the drama club will introduce and/or re-familiarize students with the practice of theatrical performance and public speaking. The emphasis will be placed on acting and speaking skills and techniques. Students will be exposed to costuming, technical aspects, set and prop design and construction, and history. A minimum of two plays will be performed, one in the fall and one in the spring. In addition, high school students will have the opportunity to compete in a one-act play competition during the fall semester.

## Lion Pep Band

### Practices TBD

*For grades: 6-12*

*Prerequisites: No prior musical experience is necessary to learn a brass or woodwind instrument. For other instruments experience is recommended.*

The class is designed for students to learn the fundamentals of playing a band instrument and to play music for some home football and basketball games. Daily personal practice is required. Private lessons are strongly recommended, and are available on campus for an additional fee.

Instruction will be provided on the following instruments: Brass, Woodwinds, Piano, Bass Guitar, and Drums.

Prerequisites: No prior musical experience is necessary to learn a brass or woodwind instrument. For other instruments experience is recommended.

Wind instruments must be owned by students or may be rented from an off-campus music supplier. Club fee includes music materials and Band t-shirt. Instrument rental information will be available during the first class meeting.

## Youth and Government

*Youth and Government*

*For grades 6-12*

*Fall through early Spring, 1hr meeting Tues/Thurs time TBD*

*Website: [YMCATexasYG.org](http://YMCATexasYG.org)*

*Fee: \$50 for District, \$300 if the student makes it to State*

Youth and Government is a place for young people to learn and be a part of the legislative and judicial process. Students can compete in all areas of government. In legislative students will create their own bills and debate them on the House floor in Austin. In judicial, students will come together as a team and act as attorneys, witnesses and judges as they try a mock trial case. Students will meet each week to work with their advisor as they create their bills and cases. Students can run for statewide office including Governor and Attorney General. District Competitions will take place in Fort Worth in November. Students who place at District will move on to the State Competition held in Austin in March. Each branch holds national competitions in the summer.

# Course Descriptions: Grades 9-12

## 9<sup>th</sup> GRADE

### English I

*Prerequisite: English 8*

*For grade: 9*

*(1 credit)*

English I will prepare students for in-depth literary study by introducing them to foundational texts of Western literature. Students will learn to analyze, evaluate, and respond to literary works from a broad range of historical and cultural contexts. Students will exercise previously learned skills in writing, research, and communication with greater complexity and sophistication.

### Geography

*Prerequisite: None*

*For grade: 9*

*(1 credit)*

Students will be instructed regarding the six essential elements of Geography as established by the National Geography Standards: the world in spatial terms, places and regions, physical systems, human systems, environment and society, and uses of geography. Additionally, students will be presented with the countries, cultures, major physical features, and points of significance of each continent. The study of geography will develop students' ability to analyze and present the effects of this information upon political, social, and economic features of countries and will develop their stewardship of the world that the Lord has given us. Further, students will be challenged to explore ways to utilize their knowledge in the cause of world missions. Denton Calvary Academy's Geography will employ both a systematic and regional approach.

### Biology

*Prerequisite: Science 8*

*Prerequisite/Corequisite: Algebra I*

*For grade: 9*

*(1 credit)*

Students will explore the realm of biology, and the relationship of science to the Christian will be included throughout the course. Topics covered will include the study of cells and the cellular processes, genetics, taxonomy, the characteristics and organisms of the taxonomic kingdoms, invertebrates and vertebrates, ecology, and human systems. This course will present a comparison of evolution, creationism, and intelligent design from a Christian perspective. Students will also learn to dissect various specimens. Laboratories will be integrated into the regular class periods.

## Math (Select from the following options):

### Algebra I

*Prerequisite: Pre-Algebra*

*For grades: 8 or 9*

*(1 credit)*

This course will review and build upon the basic language of algebra, including variables and expressions as well as arithmetic with real numbers. Students will master solving linear equations, linear inequalities, and linear systems as well as graphing linear functions. Students will also explore polynomials, factoring, quadratics, and irrational numbers.

### Or Geometry

*Prerequisite: Algebra I*

*For grades: 9 or 10*

*(1 credit)*

Students will learn to solve problems dealing with basic shapes found in geometry. Students will learn the concepts of congruence, similarity, ratios, parallel and perpendicular lines, and angle and line segment measurements. Students will also solve word problems and prove theorems related to geometric figures. Geometry will provide students with the opportunity to master the foundational skills and concepts of mathematics.

### Life of Christ

*Prerequisite: None*

*For grade: 9*

*(1 credit)*

This Bible course will present the life of Christ beginning with His existence prior to Creation and His prophesied coming in the Old Testament; proceeding to His birth, His three-year ministry, death and resurrection; and finally extending to His current work in the world, second coming and eventual heavenly rule. The goal of the course is to establish foundational Christ-like character as students incorporate the teachings of Christ into their lives.

# Speech and Communication

*Prerequisite: None*

*For grade: 9 (Students in grades 10-12 who are lacking this credit may also enroll)*

*One Semester – offered in fall and spring*

*(.5 required elective credit)*

This course will seek to better the students' understanding of the communication process, thereby enhancing the students' ability to communicate in a variety of settings. A particular emphasis will be placed on improving the students' public speaking skills. The course will also train students to critically evaluate communication from other sources, ranging from individuals to mass media. Other areas covered include listening, nonverbal communication, and small group communication.

**SEE ELECTIVE & EXTRACURRICULAR CHOICES ON PAGES 26-32.**

# 10<sup>th</sup> GRADE

## English II

*Prerequisite: English I*

*For grade: 10*

*(1 credit)*

English II will develop students' reading, viewing, thinking, integrating, and communicating abilities. Reading assignments will come from a variety of cultural contexts and will include literature from the Middle Ages, poetry, drama, and fiction. As students read, they will consider the genre of the text and the author's point of view, ultimately evaluating the text through a Biblical worldview. Students will continue to refine their communication skills as they plan and write error-free compositions of all forms of writing. English II will also include a research paper and a comprehensive vocabulary program.

## World History

*Prerequisite: Geography*

*For grade: 10*

*(1 credit)*

Students will survey world history from creation to modern times, and compare the interpretation of historical events through a secular and Biblical lens. Students will examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students will analyze the process by which government systems evolved, and evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Students will examine the history and impact of major religious and philosophical traditions, with an emphasis on the ministry of the church and the obstacles that have confronted it. Additionally, students will analyze the connections between major developments in science and technology and the growth of industrial economies, and the impact of music, art, literature, and significant people on the development of cultural and political ideas.

## Chemistry

*Prerequisite: Algebra I*

*For grade: 10*

*(1 credit)*

Students will study the scientific method, history of chemistry, matter, atomic structure, periodic characteristics of the elements, chemical bonding, chemical composition, chemical reactions, the mole-concept, dimensional analysis, nomenclature, kinetic theory, solutions, thermo-chemistry, chemical equilibrium, acid-base reactions, electrochemistry, organic chemistry, and biochemistry. Laboratories will be integrated into the regular class periods.

## Math (Select from the following options):

### Geometry

*Prerequisite: Algebra I*

*For grades: 9, 10*

*(1 credit)*

Students will learn to solve problems dealing with basic shapes found in geometry. Students will learn the concepts of congruence, similarity, ratios, parallel and perpendicular lines, and angle and line segment measurements. Students will also solve word problems and prove theorems related to geometric figures. Geometry will provide students with the opportunity to master the foundational skills and concepts of mathematics.

### Or Algebra II

*Prerequisites: Algebra, Geometry*

*For grades: 10, 11*

*(1 credit)*

This course will include mastery of the following topics: inequalities, absolute value, linear equations and graphing, linear systems, functions and relations, polynomials, factors of polynomials, exponents, rational expressions, matrices, radicals, complex numbers, quadratic equations, quadratic formula, graphing quadratic equations, variation and proportion, dividing polynomials, polynomial equations, linear interpolation, and exponential and logarithmic functions.

### Spanish I

*Prerequisite: None*

*For grade: 10*

*(1 credit)*

Students will acquire foundational Spanish language skills in reading, writing, speaking, and listening through practical and purposeful experiences including prayer, role play and scripture memory. Additionally, students will gain an appreciation for the Spanish language and Hispanic cultures. The main grammatical structures presented will include the present tense, simple sentence structure, pronouns, and commands.

**SEE ELECTIVE & EXTRACURRICULAR CHOICES ON PAGES 26-32.**

# 11<sup>TH</sup> GRADE

## English III

*Prerequisite: English II*

*For grade: 11*

*(1 credit)*

English III will develop students' reading, communication, viewing, thinking, and integration abilities through a guided survey of predominantly American literature with an emphasis on short stories, novels, drama, and poetry. The department will intentionally orient students to their literary and intellectual heritage by introducing them to the great artists, masterpieces, media, and themes of Western civilization, thus preparing them to make their own contributions for the greater glory of God. English III will challenge students to write frequently, thoroughly, analytically, and specifically. Writing will include reading responses, analytical papers, and creative works.

## US History

*Prerequisite: World History*

*For grade: 11*

*(1 credit) (May be taken at Denton Calvary through DBU for 6 hours of college credit for US History)*

In United States History, students will study the history of the United States from Reconstruction to the present. Topics studied will include the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and post-Cold War eras, and reform movements including civil rights. Students will examine the impact of constitutional issues on American society, the impact of geographic factors on major events, and analyze causes and effects. Additionally, students will describe the relationship between the arts and the times during which they were created, and analyze the impact of technological innovations on industrialization, urbanization, western expansion, and the American labor movement.

## Physics

*Prerequisite: Chemistry*

*Prerequisite/Corequisite: Algebra II*

*For grade: 11*

*(1 credit)*

Through problem solving methods with a logical approach, students will study the foundations of mechanics, electricity, and magnetism. Topics will include one- and two-dimensional motion, Newton's Laws, gravity, work, energy, momentum, periodic motion, wave, optics, electricity, and magnetism. In addition to the regular class periods, additional labs may be scheduled before or after school.

## Math (Select from the following options):

### Algebra II

*Prerequisites: Algebra, Geometry*

*For grades: 10, 11*

*(1 credit)*

This course will include mastery of the following topics: inequalities, absolute value, linear equations and graphing, linear systems, functions and relations, polynomials, factors of polynomials, exponents, rational expressions, matrices, radicals, complex numbers, quadratic equations, quadratic formula, graphing quadratic equations, variation and proportion, dividing polynomials, polynomial equations, linear interpolation, and exponential and logarithmic functions.

### Or Foundations of College Algebra

*Prerequisites: Algebra, Geometry, Algebra II*

*For grades: 11, 12; (1 credit)*

The Foundations of College Math course will strengthen Algebra II skills and develop preliminary Pre-Calculus concepts. The course will include traditional skill-building and problem-solving practices using abundant exercises and applications. Students will review factoring and inequalities in addition to revisiting and expanding upon various functions. This course will investigate right triangle and unit circle trigonometry as well as explore trigonometric identities, inverses, and equations. After completing this course, students will be equipped to enter pre-calculus or a college level math course.

### Or Pre-Calculus

*Prerequisites: Geometry, Algebra II*

*For grades: 11, 12 (1 credit) ( 3 hours of College Algebra and 3 hours of College Trigonometry)*

Students will learn to solve problems by building upon skills learned in Algebra II and Geometry. Students will master polynomial equations and then explore trigonometry, including degrees and radians in circles and right triangles, solving triangles, trig equations, and trig identities. Students will also study trigonometric functions using graphs and analytics. The class will also explore probability, exponential and logarithmic functions, polar coordinates, and sequences and series. Students will solve problems that will prepare them for college mathematics, including calculus and higher mathematics.

## Spanish II

*Prerequisite: Spanish I*

*For grade: 11*

*(1 credit)*

This course will help strengthen the fundamental language skills acquired in Spanish I, enabling students to communicate in Spanish with greater ease both in and out of the classroom. Through class discussions, prayer, compositions, scripture reading and memorization, videos, and music, students will learn how they can glorify Christ with their knowledge of the Spanish language and culture. The main grammatical structures presented include the preterite (past), imperfect, and subjunctive tenses.

**SEE ELECTIVE & EXTRACURRICULAR CHOICES ON PAGES 26-32.**

## 12<sup>TH</sup> GRADE

### English IV (*option for Distinguished with Honors Diploma Plan\**)

*Prerequisite: English III*

*For grade: 12*

*(1 credit)*

English IV will develop students' reading, communication, viewing, thinking, and integration abilities through a guided survey of British literature with emphasis on novels, essays, poetry, drama, and film. Students will prepare for college by refining their writing, research, and public speaking skills.

*\*For Distinguished with Honors, students will be required to defend their thesis.*

## Government

*Prerequisite: US History*

*For grade: 12*

*(.5 credit)*

Students will learn about the United States system of government, including its formation, history, branches, and processes at the national, state, and local levels. Students will analyze the impact of individuals, culture, political parties, interest groups, and the media on the American political system. Students will learn about other systems of government around the world, and examine and think critically about current political events and issues. Additionally, students will learn their rights and responsibilities as US citizens, ways to understand and view political issues through a Biblical lens, and how they can use and apply this understanding in their lives.

## Economics

*Prerequisite: US History*

*For grade: 12*

*(.5 credit) (3 hours of college credit)*

Students will study the basic principles of economics, the production and distribution of goods and services in the United States, and a comparison with economic systems in other countries around the world. They will examine the rights and responsibilities of consumers and businesses, as well as analyze the interaction of supply, demand, and price. Additionally, they will study the role of financial institutions in a free enterprise system and examine and discuss the impact of a variety of factors on the national economy and economic policy. Some of these factors include geography, the federal government, economic ideas from important philosophers and historic documents, societal values, scientific discoveries, and technological innovations.

## Science (Select from the following options)

### Anatomy and Physiology

*Prerequisite: Biology, Chemistry, Physics*

*For grade: 12*

*(1 credit)*

Students will learn the basic elements of human anatomy and physiology and study the following: histology, nervous system, integumentary system, skeletal system, muscular system, endocrine system, cardiovascular system, digestive system, respiratory system, urinary and reproductive systems. Laboratories will be integrated into the regular class periods and will include microscope labs, wet/dry labs, dissection of a preserved pig brain, pig eye, sheep heart, sheep lungs, pig kidney, and a preserved organism (rat, mink, rabbit, dog, or cat) at the end of the course.

### Or Forensic Science

*Prerequisite: Biology, Chemistry, Physics*

*For grade: 12*

*(1 credit)*

Students will learn about cutting edge forensic science practices and procedures, such as DNA profiling, digital imaging, and crime scene reconstruction. Inductive and deductive reasoning skills will be developed using case studies, games, and examination of classic and modern film clips. Laboratory techniques in evidence collection (including fingerprinting, hair and fiber analysis, ballistics, blood splatters, and document forgery) and other topics will be examined. Labs will be integrated into the regular class schedule. Some field trips, however, may be planned outside of class hours.

## Math (Select from the following options)

### Consumer Math

*Prerequisite: Pre-Calculus or Foundations of College Algebra (Unless on Foundation HSP or with prior approval)*

*For grade: 12*

*(1 credit)*

This course will develop consumer skills in a biblical framework. Students will learn that they are stewards of God and they are responsible to Him for the way they handle the resources He entrusts to them. Students will learn about financial transactions encountered in life, which range from buying food and clothing to taking out loans for cars and houses as well as filing taxes and saving for retirement. Consumer math also involves planning a budget for effective use of financial resources and developing a consistent savings plan. Investments and insurance are included because prudent planning is essential.

## or Foundations of College Algebra

*Prerequisites: Algebra, Geometry, Algebra II*

*For grades: 11, 12*

*(1 credit)*

The Foundations of College Algebra course will strengthen Algebra II skills and develop preliminary Pre-Calculus concepts. The course will include traditional skill-building and problem-solving practices using abundant exercises and applications. Students will review factoring and inequalities in addition to revisiting and expanding upon various functions. This course will investigate right triangle and unit circle trigonometry as well as explore trigonometric identities, inverses, and equations. After completing this course, students will be equipped to enter pre-calculus or a college level math course.

## Or Pre-Calculus

*Prerequisites: Geometry, Algebra II*

*For grades: 11, 12 - does not always work with the senior schedule*

*(1 credit) (3 hours of College Algebra and 3 hours of College Trigonometry)*

Students will learn to solve problems by building upon skills learned in Algebra II and Geometry. Students will master polynomial equations and then explore trigonometry including degrees and radians in circles and right triangles, solving triangles, trig equations, and trig identities. Students will also study trigonometric functions using graphs and analytics. The class will also explore probability, exponential and logarithmic functions, polar coordinates, and sequences and series. Students will solve problems that will prepare them for college mathematics including calculus and higher mathematics.

## Or Calculus *(option for Distinguished with Honors Diploma Plan)*

*Prerequisites: Pre-Calculus*

*For grade: 12*

*(1 credit) (4 hours of college calculus)*

Students will study limits and their properties, differentiation and integration. Specifically, students will explore applications of derivatives and integrals including related rates, extrema, area and volume and additionally an introduction to differential equations

## Worldview

*Prerequisite: None*

*For grade: 12*

*(1 credit)*

This class will offer a systematic comparison of various religions, sects, cults, and worldviews. Students will compare varying beliefs to those of Christianity in fundamental areas from theology and philosophy to law, politics, and history. The goal of this course is to equip students to maintain their Christian faith in the often-hostile college environment and to engage critically and effectively with non-Christian ideologies.

## Spanish III *(required for Distinguished with Honors Diploma Plan)*

*Prerequisite: Spanish II*

*For grade: 12*

*(1 credit) (3 hours of college Spanish)*

This course will focus primarily on Spanish conversational skills, while also enhancing skills in reading and writing. Students will present the gospel and give their personal testimonies in Spanish. At this level the student will use higher level vocabulary and grammatical structures such as subjunctive, present perfect subjunctive, and present perfect indicative tenses.

## ELECTIVES & FINE ARTS

### Art Studio

*Prerequisite: None*

*For grades: 9-12*

*Fall or Spring Semester*

*(.5 fine art or elective credit)*

This course will give students an understanding and appreciation for art through exploration and participation. The course will emphasize the creative thought process and skill development. As art skills are learned, students will be encouraged to make creative applications of those skills in personal projects. Students will be given a sense of art history through discussions and visuals that relate to the studio projects they create. A variety of materials and techniques will be explored including pencil, colored pencil, marker, chalk, oil pastel, paint, etc.

### Choir

*Prerequisite: None*

*For grades: 9- 12*

*Fall and/or Spring Semester*

*(.5 fine art or elective credit per semester)*

A performing music group rehearsing 2nd period. Rehearsals include instruction in what it means biblically to worship God, as well as basic music theory and choral singing technique. The choir will perform concerts featuring songs that explicitly glorify God as well as unobjectionable songs from various genres. Singers in this class will also be given the opportunity to lead worship with the Praise Band during chapel, based on their individual abilities, character, and availability. The choir will likely collaborate with the orchestra and other groups. Beginners welcome; no experience required.

### Coding

*Prerequisite: None*

*For grades: 9- 12*

*Spring Semester*

*(.5 elective credit per semester)*

In our ever increasingly digital society, knowledge of computers, apps, and coding is a beneficial skill. Students will learn the basics of coding in this hands-on class. No prior coding experience is necessary, because the curriculum can be tailored to meet the individual needs (or goals) of each student. Students will learn how to build an app, design web applications, program a video game, problem solve, and debug code. After learning the basics, students will have freedom in choosing the type of coding projects they want to complete.

## College Test Prep

*Prerequisite: None*

*For grades: 11- 12*

*Fall or Spring Semester*

*(.5 elective credit)*

The College Test Prep class will provide a thorough investigation of the PSAT and SAT/ACT college entrance exams, including an extensive review of all three test sections: Critical Reading/Writing and Math. Test taking strategies will be discussed and practice tests will be administered.

## Foundations of Personal Finance

*Prerequisite: None*

*For grades: 9- 12*

Preparing students to be successful servant leaders in today's world should include biblical and thorough understanding of personal finance, saving, budgeting, and debt. A course in Foundations of Personal Finance with curriculum by Ramsey Education will teach students how to be successful in all these topics and others, including consumer awareness, investing and retirement, insurance, taxes, and more. Included in the curriculum are case studies, labs, and videos to help students to explore real-world scenarios and help students apply newly acquired financial wisdom.

## Foundations of Entrepreneurship

*Prerequisite: None*

*For grades: 9-12*

*(.5 credit)*

Interested in learning what it takes to begin your own business? An awareness of business principles can help create a foundation for beginning a side business in high school or later after graduation. A course in Foundations of Entrepreneurship with curriculum by Ramsey Education will teach students how to build effective communication and relationships with clients, financial aspects of business, marketing details, principles of business management, and the importance of generosity in business. Special activities include building a business plan and implementing a business project.

## Home Economics

*Prerequisite: None*

*For grades: 9- 12*

*Spring Semester*

*(.5 elective credit per semester)*

Home economics is the study of food and nutrition, home management (budgeting, cleaning, child care, family health), interior design/DIY projects, hospitality and etiquette.

## How to Read the Old Testament

*Prerequisite: None*

*For grade: 9 - 12*

*(.5 credit)*

**Purpose/Goal of Class:** The Old Testament can be confusing and intimidating for most people. This class will explore the characters, stories, literary genres and overall content of the Old Testament. Students will learn how to read the Old Testament in a way that engages the question, "How does the Old Testament reveal the person and work of Jesus?". *(Taught by Mr. Grice)*

## Intro to Cosmetology and Barbering

*Prerequisite: None*

*For grade: 9, 10, 11, 12*

*(.5 credit)*

*Approx \$200 materials/tools fee will apply. The school will look for the most cost-effective kit available.*

This course provides both academic and hands-on training to explore a career in cosmetology or barbering. It will touch on hairstyling, including coloring and haircutting. The basics of nail services like manicures and pedicures. The basic facial service skills and techniques. A knowledge of safety and sanitation rules as well as professional standards/employable skills required by business and industry. This course will require a mannequin head and stand, cutting shears and various tools. The instructor will encourage students to learn rules and regulations while nurturing their creativity. *(Taught by Mrs. Davis)*

## Nutrition

*Prerequisite: None*

*For grades: 9- 12*

*Fall Semester*

*(.5 elective credit per semester)*

This course in Nutrition will assist students in understanding the role of nutrition in health and wellness. Some topics covered will include macro- and micronutrients, sports nutrition, supplementation, fast food, eating out, and disordered eating. Demonstrations, guest speakers, documentaries, guided instruction and cooperative learning are used throughout the course. Ultimately, students will be given the opportunity to gain the necessary skills to optimize how they eat, which greatly influences their performance (mentally and physically) and carry this knowledge with them beyond high school.

## Digital Photography

*Prerequisite: None*

*For grades: 9-12*

*Spring Semester*

*(.5 elective or fine art credit)*

Digital Photography will introduce students to the world of artistic expression through the perspective of a camera lens. The course's aim will be to develop students' technical skills with a digital camera, exploring the basics of equipment, lighting, aperture, shutter speed, composition, and digital editing. Through the use of available technology, students will be encouraged and equipped to develop their technical and artistic photographic skills. To participate in the course, students must provide their own digital camera (35 mm digital is preferred).

## Speech and Communication

*Prerequisite: None*

*For grades: 9-12*

*One Semester – offered in fall and spring*

*(.5 speech credit)*

This course will seek to better the students' understanding of the communication process, thereby enhancing the students' ability to communicate in a variety of settings. A particular emphasis will be placed on improving the students' public speaking skills. The course will also train students to critically evaluate communication from other sources, ranging from individuals to mass media. Other areas covered will include listening, nonverbal communication and small group communication.

## Worship Band

*Prerequisite: None*

*For grades: 9- 12*

*Fall and/or Spring Semester*

*(.5 fine art or elective credit per semester)*

A music course including instruction in what it means biblically to worship God, as well as basic music theory and instruction on how to play in a contemporary worship band. The worship band includes guitar players, bass players, piano/keyboard players, and drummers. Other rock/folk instrumentalists are welcome, as well as those who would like to contribute through running sound, running lyric slides, doing lights, writing songs, etc. The band's primary function will be to lead worship during DCA chapel, along with some singers from the choir. To be allowed to lead worship in chapel, students need to already know how to play their instruments at a fairly high level. Beginners should be enrolled in private lessons before the semester begins; we can help find teachers.

## Yearbook and Graphic Design

*Prerequisite: None*

*For grades: 9-12*

*Fall and spring semesters*

*(1 fine art or elective credit)*

This Yearbook and Graphic Design course offers students the opportunity to work together in a hands-on environment, practice basic design skills, and produce the annual student yearbook. Students will learn and apply core principles of graphic design as they get to explore software such as Herff Jones eDesign and applications in the Adobe Creative Cloud.

## Dual Credit DBU New Testament (Fall Monday nights time 7-9:30pm)

*Prerequisite: None*

*For Grade: 11, 12*

*(3 hours of college New Testament)*

*\*Additional fee if student is already enrolled in 6 classes*

# EXTRACURRICULAR ACTIVITIES

## Athletics

Boys:	Football	Girls:	Volleyball
	Basketball		Basketball
	Tennis		Tennis
	Track		Track
	Baseball		Cheer
	Fall Soccer		Fall Soccer
	Cross Country		Cross Country
	Golf		Golf

*\*Athletics earns .5 credit PE per season, but does not count towards GPA calculation*

**Parents, please be advised when selecting athletics for new high school students that most team sports involve a rigorous practice and game schedule, requiring an after-school commitment 5 days a week and travel to away games (*minimum* time commitment of approx. 15 hours weekly). Please be aware, we are in a district that requires trips to West Texas to compete and will require athletes to share the cost of a room when overnight stays are required.**

## High School Cheer

### Practices determined by Athletics Dept

*Prerequisite: None*

*For grades: 9-12*

*Fall through March (end of basketball season)*

*(1 PE credit)*

The purposes of the Denton Calvary Cheerleading program are to embody Godly servant leadership, encourage school unity, promote camaraderie, and establish a tradition of support for all Denton Calvary activities. Cheer will include the following components: cheer, sideline, pom, stunting, dance, tumbling, and jump. Dance elements may include hip hop, high kick, pom, and traditional drill team. The cheer squad will not only stand on the side-lines, but will stand firm on the word of God and exhibit Christ-like characteristics, serving as role-models for our school both in and out of uniform.

## Drama Club

### Practices held Tuesday/Thursday (practice typically 9am-noon)

*For grades: 6-12 (.5 fine arts credit per semester)*

*Fall (high school only) and Spring Semesters*

*Fee: \$350/semester*

As a club for beginning and trained actors and speakers, drama club will introduce and/or re-familiarize students with the practice of theatrical performance and public speaking. The emphasis will be placed on acting and speaking skills and techniques. Students will be exposed to costuming, technical and historical aspects of theater, and set and prop design and construction. A minimum of two plays will be performed, one in the fall and one in the spring. In addition, high school students will have the opportunity to compete in a one-act play competition during the fall semester.

## Drumline

**Practices held after school (Exact day/times TBD)**

*For grades: 9-12 (.25 PE or Fine Arts Credit)*

*Fall Semester*

A musicians' club in which members learn to play marching drums (snare, quad, bass drum, cymbals, etc.). The drumline will most likely rehearse Wednesdays after school. They will play during home football games, as well as possibly playing some away games and playoff games. As such, football players, cheerleaders, and anyone else already participating during football games may not join the drumline. At the coaches' discretion, there may be some late summer rehearsals to prepare for the football season which starts early in fall.

Beginners welcome; no experience required. The drumline will accept approximately 16 students, based on seniority and the order of signups. If there are not enough high school students in the group, middle school students may be accepted on an audition basis.

## Youth and Government

*Youth and Government*

*For grades 6-12*

*Fall through early Spring, 1hr meeting Tues/Thurs time TBD*

*Website: [YMCATexasYG.org](http://YMCATexasYG.org)*

*Fee: \$50 for District, \$300 if the student makes it to State*

Youth and Government is a place for young people to learn and be a part of the legislative and judicial process. Students can compete in all areas of government. In legislative students will create their own bills and debate them on the House floor in Austin. In judicial, students will come together as a team and act as attorneys, witnesses and judges as they try a mock trial case. Students will meet each week to work with their advisor as they create their bills and cases. Students can run for statewide office including Governor and Attorney General. District Competitions will take place in Fort Worth in November. Students who place at District will move on to the State Competition held in Austin in March. Each branch holds national competitions in the summer.