

# *Tri-City Christian Academy*

*9<sup>th</sup> – 12<sup>th</sup> Grade*



**COURSE CATALOG – HIGH SCHOOL  
TRI-CITY CHRISTIAN ACADEMY  
2017-2018**

## THEOLOGY - 100

### 104 Paradise Restored (9th & 10th grade)

This course presents a comprehensive look at the Bible's view of the future. Using Rev. David Chilton's exciting and very readable book, *Paradise Restored*, as a text, the student will be systematically exposed to the optimistic eschatology that the Scriptures teach. The student will come to understand what the Bible teaches about the nation of Israel and the Christian Church. A thorough exposition of the biblical *Book of Revelation* is included in this course. Emphasis on the Christian's responsibility for the future, as oppose to defeatist and culturally impotent interpretations, provides thematic background for this important study.

**Text:** *Paradise Restored*, by David Chilton  
*The Holy Bible (KJV)*

### 106 Westminster Confession of Faith (11th & 12th grade)

This course presents a system of doctrine set forth in the Scripture that enables students to understand the meaning of the *Westminster Confession of Faith*. Students use the study manual, *The Westminster Confession of Faith*, written by G. I. Williamson as the main text. The subject textbook is an explanatory treatment of the last of the great creeds of Protestantism to come out of the Reformation. In part the course will consult the Holy Scriptures in support of the biblical foundation of the *Westminster Confession*. Classroom discussion as well as study questions at the end of each section enhance the study.

**Text:** *Westminster Confession of Faith*  
*The Holy Bible (KJV)*

**\*Our theology classes at all grade levels will offer an honors component for qualifying students; these sessions will meet once weekly and involve supplemental reading & seminar style discussions of the same.**

## ENGLISH - 200

### 204 English (9<sup>th</sup> & 10<sup>th</sup> Grade)

Grammar covers all eight parts of speech and introduces more information about adjectives and adverbs, including adverb clauses. There is a review of the five basic sentence patterns, usage concepts such as agreement and pronoun reference, capitalization, punctuation, and spelling. Students will also examine library and study skills practices. Vocabulary includes a special emphasis on Latin word parts and discusses the difference between denotative and connotative meaning. This course expands the discovery or word meaning through context. Literature teaches the process of literary analysis that enables students to interpret and evaluate what they read in light of biblical truth. Students learn about six literary elements: conflict, character, theme, structure, point of view, and moral tone. Included in the text is an English translation of Rostand's drama, *Cyrano de Bergerac*.

**Text:** *Writing & Grammar 9*  
*Vocabulary for Christian Schools: Level C*  
*Fundamentals of Literature*

### **\*Required for Freshmen Class: Writing & Research**

Students will learn to apply proper mechanics for producing clear and cogent writing, develop and utilize strong reasoning skills, and critically analyze the credibility of scholarly sources. Emphasis will be placed on MLA and APA formats, effective note taking and information organization, and visual argument. Instruction will also cover the use of Microsoft Word and Microsoft PowerPoint. Students will be assessed through a series of written essays and visual presentations.

**Text:** *The Writer's Toolbox: A Writing and Grammar Handbook*

### **205 English (11<sup>th</sup> and 12<sup>th</sup> Grade)**

This grammar course provides expanded writing instructions for resumes, interviews, and humorous essays. Lessons cover subordination and reduction of clauses. Vocabulary teaches recognition of native English words and words borrowed from other languages. Changes in word meanings are presented and euphemisms and metaphorical words are discussed. The literature course discusses cultural issues from eight literary periods in light of Scripture: Old English, Middle English, Tudor, Stuart, Neoclassical, Romantic, Victorian, and Modern. This textbook traces English Christianity from its beginnings to the present. The Shakespeare drama *Macbeth* is included in this textbook.

**Text:** *Writing & Grammar 12*

*Vocabulary for Christian Schools: Level F*

*British Literature (2<sup>nd</sup> Edition)*

*Prentice Hall Reference Guide*

## **300 MATHEMATICS**

### **303 Algebra I**

This math course is for freshman students. In this course, students will work with axioms, rules, and principles of algebra while studying this course. Reviews at the end of each unit measure student progress, and special sections challenge the mathematically talented student.

**Text:** *BJU Algebra I (3<sup>rd</sup> Edition)*

### **304 Geometry**

This math course is for sophomore students and is especially beneficial for those wishing to pursue a career in architecture, engineering, surveying or the like. This course will introduce students to a balanced study of proofs, theorems, and real-life geometry. The book contains analytical geometry features, Geometry Around Us, Geometry and Scripture, and biographical sketches of mathematicians.

PREREQUISITE – Algebra 1

**Text:** *BJU Geometry (4<sup>th</sup> Edition)*

### **305 Algebra II**

Recommended for juniors who are college bound. Students will work with axioms, rules and principles of algebra while studying this course. Reviews at the end of each unit measure student progress, and special sections challenge the mathematically talented student.

PREREQUISITE – Algebra 1 and Geometry

**Text:** *BJU Algebra II (3<sup>rd</sup> Edition)*

### **307 Pre-Calculus**

Recommended for college-bound juniors and seniors. This course covers functions, trigonometry, and graphing as well as an introduction to differential calculus. This course is beneficial for those pursuing careers in a wide variety of fields such as mathematics, engineering, science, medicine or health, and architecture or land surveying.

PREREQUISITE - Algebra 2

**Text:** *BJU Precalculus for Christian Schools (2nd Edition)*

### **309 Consumer Math ABeka**

This *Consumer Math* course is so practical that every student should take it whether or not they are college bound. It covers topics that are fairly universal to our society. Topics such as buying a car, income, budgeting, food, clothing, banking, taxes, and small business are covered in depth. For example, buying a car is divided into a series of very practical lessons contemplating varying factors such as selecting the appropriate car (including cost comparison vs. utility), taxes and fees, financing, depreciation, insurance, maintenance and repair, annual operating cost, and leasing. Lessons on taxes require students to get actual tax forms and learn how to complete them. Plenty of word problems/applications ensure student understanding.

**Text:** *Consumer Math textbook and workbook*

## **400 SCIENCE**

### **401 Biology (9<sup>th</sup> and 10<sup>th</sup> Grade)**

While maintaining its focus on biblical integration, this text covers cellular biology, genetics, biotechnology, taxonomy, origins, microbiology, botany, zoology, and human anatomy.

**Text:** *Biology text and workbook*

### **406 Physics (11<sup>th</sup> and 12<sup>th</sup> Grade)**

While studying physics, students will learn the principles of physics through detailed explanations and illustrations of everyday experiences and practical devices. The student is shown how the many kinds of technology from the camera to the car – actually function. Numerous illustrative problems are solved in detail. Interspersed throughout the text are biographies of great physicists who were also Christians. PREREQUISITES – Student must be a junior or a senior and must have taken Algebra 1 and Physical Science.

**Text:** *Exploring Creation with Physics*

### **402 Anatomy and Physiology**

This is offered to 11<sup>th</sup> and 12<sup>th</sup> grade students. In this course students will see God's perfect design of the human body and how each organ, cell, and tissue affects the body's homeostasis. To this end, students will examine the following concepts: homeostasis and organization in the body, basic chemistry, cells, tissues, membranes, the integumentary system, the skeletal system, the muscular system, the nervous system, the senses, the endocrine system, blood, the heart, the vascular system, the lymphatic system, the respiratory system, the digestive system, body temperature and metabolism, the urinary system, fluid, electrolytes and acid-base and balance, the reproductive system, genetics, microbiology and human disease.

## **500 HISTORY**

### **504 Geography (9<sup>th</sup> – 10<sup>th</sup> Grades)**

Students who take this course will survey eight cultural regions and one hundred and eighty-nine countries while studying the earth, its people, and its resources as God created them. Students will learn the principles of geography with a strong biblical basis. The text includes over one hundred and eighty maps and three hundred photographs. Through the activities in the *Student Activities Book*, students will develop the knowledge and understanding of geography in greater depth.

**Text :** *Cultural Geography (3<sup>rd</sup> Edition)*

*Cultural Geography Student Activities Manual (3<sup>rd</sup> Edition)*

### **525 U.S. History 11<sup>th</sup> – 12<sup>th</sup> Grades)**

This course is designed to furnish the serious student of history with an in-depth critical investigation into the exceedingly rich heritage of the United States of America spanning the period of exploration and

colonization to the present day. It focuses on the causes of events, the strains of the Union, and the underlying issues that have shaped the United States.

**Text:** BJU *The American Republic* (4<sup>th</sup> Edition)  
*Student Activity Manual* (4<sup>th</sup> Edition)

### ***ELECTIVES***

#### ***HIGH SCHOOL COURSE ELECTIVE FEES WILL BE BILLED PER SEMESTER***

***First Semester elective fees will be billed August 1<sup>st</sup> and are due by September 1<sup>st</sup>.***

***Second Semester elective fees will be billed February 1<sup>st</sup> and are due by March 1<sup>st</sup>.***

#### **\*\*\*\*\*Monday and Wednesday\*\*\*\*\***

##### **711-01 Art M-W**

Students are required to take an active part in the process of creating works of art, where content and creative expression, design and function create unique expressions of our students' inner creativity. Where drawing techniques such as shading, smearing, crosshatching, contour drawing, gesture drawing, optical illusions, and portrait drawings, are explored. Where our drawing techniques lay the foundation for other forms of art such as: Painting, Pointillism, Impressionism, Cubism, Still Life, Texture, Art History, and Heritage.

Fundamentals of Art: Line, Shape, Space, Form, Color, Value, Texture  
Balance, Contrast, Pattern, Movement, Rhythm, Emphasis, Unity.

**Elective Course Fee - \$15.00**

##### **PE Physical Education (President's Challenge) M-W**

This course runs all year. In addition to participation in a number of athletic activities, students taking this course practice to attain an award from the President's Challenge Physical Activities and Fitness Awards Program. This program helps to assess the current fitness level of the students, and offers awards to encourage them to stay active. This program includes five events that measure muscular strength/endurance, cardio respiratory endurance, speed, agility, and flexibility.

**Elective Course Fee - \$15.00**

#### **\*\*\*\*\*Monday, Wednesday, and Friday\*\*\*\*\***

##### **621 Foreign Studies – Mandarin 1**

Mrs. Lynn Brokus, Instructor

Open to students in grades 9 - 11. Students will learn the basics on how to speak standard Mandarin, which is the official language of Mainland China. They will learn about the four tones of Mandarin and pronunciation. They will begin learning vocabulary and phrases to communicate introductions, understand basic directions in the classroom, and exchange conversations in Mandarin. Students will learn to read Pinyin, which is a Romanization system used to learn Mandarin. Pinyin transcribes the sounds of Mandarin using the western (Roman) alphabet. They will also learn a few basic Chinese characters. This course will include some cultural study of China, using in-class discussions, Chinese New Year Celebration, field trips, crafts, and games to assist in learning Mandarin and about Chinese culture.

**Elective course fee \$15.00 per semester.**

### **622 Greek**

Rev. Brian Nolder, Instructor

Want to learn the Bible in the language that John, Paul, and James wrote it to us? The Rev. Mr. Nolder is offering an elective in New Testament Greek. Mr. Nolder has almost 25 years' experience reading and studying NT Greek. Through a combination of instruction, paradigms, vocabulary, and translation, you will be on your way to read the NT in its original language! This class will meet M, W, F, during our 7th period block.

**Elective Course Fee - \$15.00**

### **703 Choral Music**

Enrollment in music class will provide an opportunity to perform in two concerts (one each semester). A variety of music will be sung providing exposure to different forms of vocal music. Basic music theory and other elements of music will be taught. Conducting opportunities may be available to those students who are interested.

**Elective Course Fee - \$15.00**

**\*\*\*\*\*Tuesday and Thursday\*\*\*\*\***

### **431 Zoology T-Th & Fri**

In this high school Zoology course students will study animal life. Students will study the nine major phyla of the animal kingdom. Students will learn about life processes of the different animals in each of the nine phyla, animal anatomy, animal characteristics, the habitats of different animals, and the interrelationships between animals. This course offering will be delivered in two phases: Zoology A will be conducted in 2017-18 and Zoology B the following year. This class is open to all secondary level school students

**Text:** *Zoology* (9th Edition) by Harley and Molles

### **805 Computer Science**

This year long elective course is designed to expose students to: MS Office Productivity Software; 3D design, printing, and modeling; coding and programming. The step-by-step curricula and instruction cover beginner basics up to physical applications of these various disciplines in the computer sciences. By the conclusion of the course, students will be ready to successfully utilize higher MS Office products, create and print their own 3D CAD designs, writing code for web design and apps, and program circuitry and devices.

**Elective Course Fee - \$50.00**

### **713 Band**

High school band is offered to students grades 9 through 12 and will meet on Tuesdays and Thursdays. Student participants will be selected based upon interest level, attitude, and willingness to learn their instrument. Students will be learning to read music, sight read, music theory, ear training, and blending together as a group. High school band will perform at the Christmas concert, spring concert, and the commencement exercises. Private lessons are offered to all instruments, beginner to advanced.

**Elective Course Fee - \$25.00**

**Private half-hour instrumental lessons are offered as well as instrument rental. Costs for these are available upon request.**

### **890 Foundations in Personal Finance for High School by Dave Ramsey's**

Dave Ramsey educates and entertains students as they learn to avoid the dangers of debt and how to build savings. This high school curriculum provides students with sound financial principles that will guide them into adulthood. Instruction in money management is usually welcomed by teenagers, and Foundations in Personal Finance makes it easy for instructors to furnish the knowledge by offering them a wealth of resources.

**Elective Course Fee - \$30.00**

### **910 Journalism/Yearbook**

The purpose of the *Tri-City Christian Academy's* yearbook for grades PK-12, is to create a comprehensive record of the people, organizations, and events at Tri-City Christian Academy and to also provide yearbook staff members with publishing skills. All students learn the basics of digital photography, proofreading, and layout design principles. Because the yearbook is produced through a web-based program, students are also exposed to the latest design software and become experts at using it by the end of the course. Journalism integrates writing journalistic articles to cover pertinent Tri-City Christian Academy sponsored events including open houses, concerts, pep rallies, alumni day, grandparent's day, senior ring ceremony, athletic competition, etc., as well as, monthly or quarterly student profiles.

**Elective Course Fee - \$10.00**

### **\*\*\*\*\*Friday\*\*\*\*\***

### **952 Introduction to Tort Law (available to all high school students)**

Torts are civil wrongs recognized by law as grounds for a lawsuit. These wrongs result in an injury or harm to the aggrieved party's person or property. The primary aim of tort law is to provide relief for the damages incurred; to restore the injured party to the position enjoyed preceding the tortious conduct. In addition to money damages, a claimant may pursue injunctive relief (equitable remedies) to prevent the continuation of the tortious conduct. The course will examine the various actionable torts such as trespass, assault, battery, negligence, intentional infliction of emotional distress, defamation, and products liability. The class will distinguish between intentional, negligent, and strict liability torts as well as consider the matter of causation (actual and proximate), both of which are indispensable in establishing a prima facie case.

**Elective Course Fee - \$15.00**

### **\*\*\*\*\*Additional Electives\*\*\*\*\***

### **725 Student Service Elective M-W; T-TH; F**

This elective option is available to senior high school students with a demonstrated record of good behavior. Students are assigned to assist a particular teacher, administrator or support services staff member in the execution of official tasks. In exchange for the student's services, the student will receive academic credit and thus be graded for his or her performance. This elective alternative meaningfully exposes the student to some operational component of the organization, fostering a heightened association between the staff and the student body. Registered students are subject to faculty approval.

## **822 Early Childhood M-W; T-TH; F**

You may request that you work with students enrolled at the Rocky Hill campus on an individual basis or in small groups, such as working on the alphabet with kindergarten students. You assist teachers with classroom instruction.

**An interview with the Kindergarten Dept. director will be REQUIRED to be accepted into this program.**

### ***COURSES OFFERED IN CONJUNCTION WITH THE SOMERSWORTH CAREER TECHNICAL CENTER: Career Technical Center Courses***

Please see Mrs. Dianne West of the Guidance office to review the many classes available to TCCA students through the CTC program conducted at Somersworth High School.

**Transportation Fee - \$90.00**

### ***Dual Enrollment Programs Accepted by TCCA***

Dual enrollment enables high school students to earn credit toward high school graduation while taking a college course. Courses may be online or at a college campus. Many colleges and universities offer dual enrollment credits. Be aware that it is the student's responsibility to ensure credits are transferrable to the college of his/her choice. Please see your Guidance Counselor for direction regarding using dual credits for fulfilling high school graduation requirements.

### **Liberty University Edge Program**

2017-2018 To view the available courses available through the Edge program, please see the following link: <https://www.liberty.edu/onlineacademy/dual-enrollment/>.

### ***\*\*TCCA ONLINE COURSE OFFERING\*\****

Visit [www.tcca-nh.com](http://www.tcca-nh.com) for a list of courses offered

*To fully prepare our students for the changing world of higher education, it is recommended that TCCA high school students have some experience with online courses, which we offer in conjunction with Virtual Learning Academy. Students in our College Preparatory & Advanced College Preparatory curricula should take at least one online course during their four year high school career. This program is free to NH residents. Non-resident enrollees would be required to pay registration and course related fees.*

*Please visit the academy's website (<http://vlacs.org/>) for additional information and to review the course catalog.*

### ***\*\*\*TCCA After-School Enhancement Program\*\*\****

#### **Civil Air Patrol**

The school based CAP program offers students an exciting form of character education that uses the students' enthusiasm for aviation, space, and technology as a motivator. Civil Air Patrol, an

Air Force-affiliated after-school program, is a low-cost alternative to Junior ROTC. Middle schools find that the challenge of cadet life provides the structure early adolescents need.

Cadets are never obligated to join the military, nor does CAP attempt to recruit cadets for the armed forces. However, the uniform, military customs and courtesies, and drill and ceremonies are important features of cadet life that contribute to individual self-discipline. Moreover, 10% of the cadets at the Air Force Academy got their start in CAP.

The Cadet Program is a self-paced program of sixteen achievements. Cadets complete one task in each element of cadet life — leadership, aerospace, fitness, and character — during each achievement. There is a degree of academic rigor to the program; cadets study their textbooks and must pass written tests to advance. Along the way, cadets earn promotions, acquire new leadership responsibilities, and collect awards. The class will meet each Thursday from 6:00PM – 8:30PM.

**Program Fee - \$55.00 per year**

**Wood Carving Tues., 3-4:30PM**

Sessions will include knives & wood, cover sharpening, and by the conclusion of the course, students will have created at least three figures. \*Students will need to bring a protective glove for their non-dominant hand. **CLASS HAS LIMITED CAPACITY SO SIGN UP NOW! Program Fee - \$65.00**

