



# *COURSE CATALOG*

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



**HIGH SCHOOL  
TRI-CITY CHRISTIAN ACADEMY  
2011-2012**

## **BIBLE - 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* written 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 study the *Westminster Confession*, the last of the great creeds of Protestantism to come out of the Reformation. During the course, students will study scriptures, which prove 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)*

## **ENGLISH – 200**

### **204 English 9TH & 10TH GRADE ENGLISH-**

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*

**\*Honors English Course** – This course utilizes the same core curriculum as the standard course, but involves substantially more independent research, reading, and writing. Only students with an A average in language arts will be considered for this advanced program.

### **205 English 11TH & 12TH GRADE ENGLISH**

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*

**\*Honors English Course** – This course utilizes the same core curriculum as the standard course, but involves substantially more independent research, reading, and writing. Only students with an A average in language arts will be considered for this advanced program.

## **300 MATHEMATICS**

### **303 Algebra I**

Recommended for freshmen and sophomores who are college bound or 8th grade students wishing to begin an advanced college bound course. Students must score above a 50th percentile in standardized math testing. 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: Algebra I*

### **305 Algebra II**

Recommended for sophomores and 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.

*Text: Algebra II*

### **309 Consumer Math**

This *Consumer Math* course is so practical that every student should take it whether or not they are college bound. It covers topics that practically everyone needs to deal with at some time or another, yet which most people struggle to figure out on their own. 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 covering factors to consider and work through 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: A beka, Consumer Math and work book*

## **500 HISTORY**

### **504 Geography (9<sup>th</sup> – 12<sup>th</sup> Grades)**

Students who take this course will tour eight culture regions and 189 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 180 maps and 300 photographs. Through the activities in the *Student Activities Book*, students will develop the knowledge and understanding of geography in greater depth.

*Text: Geography for Christian Schools*

*Student Activities*

*Geography Map Exercises*

### **507 Honors Geography**

The honors level course will involve independent reading and research assignments in addition to the core curriculum designed to enhance the students' apprehension of the conceptual relevance of the surveyed material.

## **400 SCIENCE**

### **401 Biology**

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

*Text: Bob Jones University Press w/ workbook*

### **402 Anatomy and Physiology**

Anatomy and physiology

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.

*Text: Essentials of Anatomy and Physiology (fifth edition)*

### **406 Physics**

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 through the text are biographies of great physicists who were also Christians.

*Text: Exploring Creation with Physics by Dr. Jay Wile 11&12 science*

## Elective Courses

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

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

This class will meet first semester and concentrate primarily on drawing, both in the classroom and on location around surrounding communities. Some painting *may be* included. This will help students to become reasonably proficient in the most basic art form. We will cover areas such as proportion, shading, perspective, contour, drawing from life, and planning a basic and balanced composition. Some of the areas that *may be* visited include the Fox Run Mall (drawing one or two point perspective mall scape), a farm scene (landscape and sketching animals/weather in motion/transition), etc. \* **The fee for this elective course will be included on the Elective Fee Schedule list.**

#### **711-02 Art M-W**

This class will meet second semester and will be devoted to covering the elements and principles of design, basic art history, and consider both well-known and lesser-known artists. Art history will be presented from the Christian perspective. This will be a traditional art semester that concentrates on projects. Projects are designed to highlight areas of history or well-known artists, and as always, to encourage the creation of uniquely Christian art in our day. \* **The fee for this elective course will be included on the Elective Fee Schedule.**

#### **712 Drama M-W**

Students will learn the mechanics and techniques that go into performing a play. Emphasis will be on body language and non-verbal communication, speech and tonal qualities, enunciation, and projection. The instruction will combine this with character study, makeup, and blocking to complete a character. Some attention will be given to props, set design, and lighting. The culmination of the class will be an actual performance in a play. Students are required to show up for rehearsals outside of class time as well. \* **The fee for this elective course will be included on the Elective Fee Schedule.**

**PE 3 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.

**\*\*\* The fee for this elective course will be included on the Elective Fee Schedule.**

### **621 Foreign Studies - Mandarin M-W-F**

**Mrs. Lynn Brokus, Instructor**

Open to both junior and senior high school students.

This course will principally be a cultural study of China. Students will learn how to speak standard Mandarin, which is the official language of Mainland China. Students will also learn to read Pinyin, which is a Romanization system used to learn Mandarin. It transcribes the sounds of Mandarin using the western (Roman) alphabet along with some Chinese characters. The course fee will be \$15.00 per semester.

### **703 Bands M-W**

The TCCA Concert Band meets for sectional rehearsals and one full band rehearsal each week during the school day. At band class, students learn a variety of music, while preparing for performances in the Christmas and Spring Concerts as well as the graduation ceremony in June. **\* The fee for this elective course will be included on the Elective Fee Schedule. Private half-hour instrumental lessons are offered as well as instrument rental. Costs for these are available upon request.**

### **716 NEW Family and Home Economics – M-W**

Teach your future homemakers the art of managing and maintaining the Christian household!

This program helps students develop the life skills necessary to achieve personal satisfaction through practical tasks that encourage self-respect, responsibility, and attention to the details of living well. Students explore a variety of food groups. After each food group is explored, students prepare a dish that represents that particular food group. They plan and prepare a meal that accompanies the dish. Baking skills are an important aspect of this unit. Laboratory work includes group planning and preparation of meals around each food selected and the shared responsibilities of cooking and cleaning.

**\* The fee for this elective course will be included on the Elective Fee Schedule. Limit 22 students.**

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

### **707 Choral Music T- TH**

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. **\* The fee for this elective course will be included on the Elective Fee Schedule.**

### **881 CSI – T TH**

Students explore how forensic scientists collect, analyze, and process evidence to solve a crime. They participate in a classroom "simulated" crime. Through deductive reasoning and scientific inquiry, students analyze evidence to solve the crime. \* **The fee for this elective course will be included on the Elective Fee Schedule.**

### **100 Study Hall – T TH**

Students are expected to **work quietly** on homework, projects, or read. A teacher will monitor the study hall and assist students as needed.

### **714 Motorcycle Mechanics T-TH**

**Mr. Paul Edgar & Mr. Chester DeMeritt, Instructors**

Priority afforded to senior high school students with junior high school recruitment in the event of vacancies.

This is a one-semester credit course covering basics of motorcycle fundamentals, service, and repair. Includes coverage on shop safety; tools, measuring instruments, and shop equipment; diagnostic procedures; and tune-up and general service. The course will be a combination of theory and practical instruction. Transportation to and from our rented garage facility located on Green Street in Somersworth will be provided via school vans. Space will be limited to six students initially. **The course fee will be \$100 per semester.**

### **722 Basic Screen Printing- T- TH (Class size it limited to 8)**

We will start with the basics. This class will cover the chemicals needed, applying emulsion, burning the artwork, registering the screens, printing, and finally cleanup. If you are new to screen printing, then this is the class for you.

**The fee for this elective course will be included on the Elective Fee Schedule**

**\*\*\*\*\*Friday\*\*\*\*\***

### **E20 Chess Club - F**

The purpose of the chess club is to give students the opportunity to develop critical thinking and analytic skills in a fun and challenging environment, while learning and playing the game of chess. In addition, students learn patience, self-control, and sportsmanship while improving their confidence and self-esteem. **The fee for this elective course will be included on the Elective Fee Schedule**

### **811 Exploring Basic Digital Photography - F**

This is a series of lessons designed to introduce aspiring photographers to the basic techniques of digital photography. Students will also help get great photos to be placed in the yearbook.

**The fee for this elective course will be included on the Elective Fee Schedule. Limit 10 students.**

### **713 Music Performance - F**

This elective course provides students the opportunity to apply their musical skills in a contemporary band context. Utilizing popular instrumentation (drum set, electric/acoustic guitar, bass guitar, piano, and vocals), students will learn to break down songs into individual parts before combining them together to produce a band performance. There is also opportunity to explore vocal arrangements with vocalists learning lead melody and supporting harmony. It is recommended that students have prior experience with their instrument/voice, but this is not an exclusive requirement. Students should also be aware that this course will involve performing before a live audience.

**\*The fee for this elective course will be included on the Elective Fee Schedule.**

### **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 some students 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 Mrs. Bartels will be REQUIRED to be accepted into this program.**

### **945 Master of Dominion Arts**

This elective course is designed to personally assist serious student candidates navigate through the application and review process in consideration for Tri-City Christian Academy's most coveted distinction -Master of Dominion Arts Award. Special attention is given to the "project" component of the distinction's requirements. Session scheduling will be very flexible and sensitive to the student's core class schedule.

### **950 Introduction to Contract Law - F**

This elective course will expose the student to the basic principles of the law concerning contract with a focus on contract formation and enforcement. Students will examine the indispensable contract elements of offer, acceptance, and legal consideration. The fee for this elective course will be included on the Elective Fee Schedule.

### **888 SCRAP BOOKING CLASS- F**

These classes are designed to teach basic scrap booking skills. Students will complete a 30-page photo album. Students will learn different techniques using various tools. Class size will be limited to 10.

## **On-Line Computer Classes**

### **COMPUTERIZED CURRICULUM**

Students will have the opportunity and ability to customize some of their classes using a biblically based curriculum offering computer-based learning. This program provides an interactive environment with 3-D animation, video clips, and other fascinating multimedia. Students will be offered the following courses.

**855 Speech: Essentials of Communication**

Transform your shy teenager into a confident public speaker! Made for grades 8-12, this elective teaches your child how to interact effectively in today's world. Topics cover the fundamentals of communication, interpersonal relationships, group dynamics, and public speaking. Your child also will learn how to plan, prepare, deliver, and evaluate presentations

**856 The Civil War**

Spark your child's interest in American history! Get the in-depth elective that examines one of the most crucial points in American history - the Civil War. This exciting course for grades 8-12 covers the division of the Confederate States of America and the Union, major war figures like Abraham Lincoln and Robert E. Lee, pivotal battles, and the Reconstruction.

**858 Foundations for Living**

Prepare your soon-to-be graduate for practical Christian living with the engaging Switched-On Schoolhouse Foundations for Living, Studies in the Christian Worldview! This multimedia-rich, ten-unit elective for grades 8-12 deepens your child's understanding of Bible doctrine and shows how biblical truths relate to everyday life, including areas like family, engagement, marriage, education, art, parenting, politics, and more. Quizzes and tests also are included for easy assessment.

**859 Business Computer Information Systems**

This 12-unit on-line elective for grades 8-12 covers communication skills in the workplace, business technology, spreadsheets, database applications, desktop publishing, computer networks, and more. Keyboarding is a recommended prerequisite.

**887 Essentials of Math**

Polish your basic math skills with Switched-On Schoolhouse Essentials of Math for grades 8-12! A great refresher, this computer-based, seven-unit elective includes fun learning games and multimedia, as well as tests and quizzes that are perfect for reinforcing fundamental mathematic concepts. Suitable for remedial work or advanced learners, the course reviews topics like algebra, geometry, statistics, measurements, and more.

*To fully prepare our students for the changing world of higher education, it is recommended that TCCA high school students have some experience with TCCA Online courses, which we offer in conjunction with Sevenstar Academy. Students in our General and College Preparatory curricula should take at least one TCCA Online course during their four year high school career. Students in our Advanced College Preparatory curriculum should take at least one AP course offered through TCCA Online.*