

Tandem Tier 3

Applied Geometry (1/2 high school credit)

This 16-week course covers a full year of Geometry concepts. This course emphasizes the underlying geometric and mathematical ideas and works to help the student understand them intuitively as well as logically. In this course, students will make frequent use of compass, protractor and ruler activities, data tables, guess and check methods, model-building, and other techniques of intuitive exploration in preparation for general solutions. Each chapter begins with a “Central Problem” that provides the focus and motivates the discussion in that chapter. Each chapter includes a review section to solidify past concepts and a short Algebra review to sharpen the skills necessary for the next math course, College Algebra. Each chapter has project problems that are extensions to the material in the Central section; students will work on assigned projects in small groups. Topics covered include: Pythagorean theorem, lines & angles, congruence, inequalities, parallel lines, quadrilaterals, transformations, area, similarity, right triangles, circles, polygons and geometric solids. Students learn to effectively use GeoGebra, a tool for success in this class.

Class Delivery Method: Students will meet weekly in the classroom to receive assignments for the upcoming week and to review difficult concepts. New concepts will be introduced in class by beginning the Central Section together. Chapter Introduction Videos will be watched PRIOR to class. Homework assignments will be completed at home using the Home Study Companion and the digital textbook. Students are required to check the solutions on the Home Study Companion prior to submitting problems for teacher assistance.

Course Grading: The Geometry teacher is responsible for grading all assignments with the exception of the daily homework assignments. The student will self-grade the daily assignments. The answers to all the assigned homework problems can be found on the Home Study Companion flash drive or the class page in Gradelink. Daily assignments and grades will be posted on Gradelink. If there is a conflict between what was assigned in class and Gradelink, follow Gradelink. Students must show work on all test and quiz problems. Failure to turn in an assignment on the due date will result in a daily 10% reduction in the final grade.

Class Materials: Geometry: A Guided Inquiry, G.D. Chakerian, et. al., ISBN 978-0895824301 (will be provided digitally).

Geometry: A Guided Inquiry Home Study Companion, Math Without Borders, Chandler. (Provided by TandemEDU), billed with first payment.

Textbook available for purchase from Kolbe Academy online for \$45.

Geogebra downloaded (free) from: <https://www.geogebra.org/download>

Download the Genius Scan (Android or Apple) app to your phone prior to the first day of class

Required Class Supplies: Quad ruled spiral notebook (graph paper notebook), Scissors, 2 Glue sticks, bow compass, clear (transparent) protractor, ruler that measures in inches AND centimeters, pencils, erasers, erasable pens, file folder, and a scientific calculator. The recommended scientific calculator is the Ti84 plus scientific calculator. **Students may choose another model; however, other models will not be supported by the class teacher, the textbook or the Home Study Companion.**

Tandem Tier 3 Test Prep Classes Reading Test Prep, Math Test Prep, English Test Prep

SAT/ACT/PSAT Test Prep (English, Math, Reading=1 credit)

This prep course teaches the strategies and skills needed to ace the ACT, SAT and PSAT-- the tests necessary for college admission and scholarships. The skills learned in the comprehensive course can be transferred to the ACT, AP tests and CLEP tests. Skill strategies, practice questions and essays are geared specifically toward information need to master the reading, writing and math sections of standardized tests. This course uses a unique approach to test prep that includes both lectures immediately followed by practice problems utilizing the concepts taught in the lecture. The specific skills students learn in this course include:

READING/ENGLISH SECTION:

- ✓ How to write a great essay in 30 minutes
- ✓ What are the essay judges looking for?
- ✓ The timing mistake to avoid
- ✓ How to make the best use of all the lines provided
- ✓ Recurring patterns and on the Sentence Error section
- ✓ Key to graphic data sections
- ✓ How to cut your Critical Reading time in half
- ✓ The four main question types in all the passages
- ✓ Most common mistake on the Dual Reading Passage
- ✓ The four recurring tricks hidden in the answer choices

MATH SECTION:

- ✓ How to rarely use your calculator
- ✓ How to answer the problems the short way
- ✓ What to do with unknown variables
- ✓ How wrong answers point you to right answer
- ✓ How to eliminate 2-3 answers right off the bat
- ✓ Why the order of the answers is so important?
- ✓ Three easy geometry rhymes to help recall formulas
- ✓ The fastest way to answer a fraction question
- ✓ How to dismantle a scary problem

Class Delivery Method: Students will meet weekly in the classroom setting to learn test prep skills and work practice problems. Students will complete assignments at home to further develop the skills learned in class. Students will take a number of practice SAT tests during this course both in class and at home.

Class length: 16 weeks s

Class Competency Exam: No competency exam for the test prep class.

Class Grading:

Tandem Partner Level: The test prep teacher is responsible for grading all practice tests and the student workbook.

Class Materials: *The Official SAT Study Guide 2020* by the College Board.

Approximate Materials Cost: *The Official SAT Study Guide 2020*- \$20.

Tandem Tier 3

HUM 103 Western Thought & Culture (1 high school credit and 3 college credits)

This is an interdisciplinary study of intellectual/cultural activity, designed to help the student develop a vitalized Christian worldview. Following this course, students will be able to: apply course material to improve critical thinking skills, learn fundamental principles, generalizations, and theories of history from the Classical Age through the Postmodern Era, gain a broader understanding and appreciation of intellectual & cultural activity through the refinement of an overarching Christian aesthetic vision, develop a clearer understanding of, and commitment to, personal biblical values as evidenced by the cultivation of a discerning Evangelical worldview. This class is required for AA degree seeking students. Prerequisite: None.

Class Delivery Method: Course content will be delivered online through Toccoa Falls College under the direction of the course professor. Students will meet weekly in the TandemEDU classroom with a TFC certified facilitator. The facilitator will present the upcoming assignments, foster class discussions, proctor tests, record speeches, review writing assignments and assist with technology issues. The facilitator will also tutor students outside of class when such assistance is requested through TandemEDU administration.

Class length: 8 weeks

Class Grading Options:

Tandem Partner Level: The facilitator is responsible for overseeing grades and providing periodic progress reports to the parent.

Class Materials: Free online materials are provided.

Tuition Cost: None for 11th and 12th grade students who have not exceeded the 30-credit state funding limit.

COM 113 Introduction to Communication (1 high school credit and 3 college credits)

This course is designed to expose students to the fundamental principles of communication in the contexts of interpersonal, small group and public speaking. This course will facilitate the students understanding of key principles and concepts, as well as the development of foundational abilities in each of the areas. Prerequisite: None

Class Delivery Method: Course content will be delivered online through Toccoa Falls College under the direction of the course professor. Students will meet weekly in the TandemEDU classroom with a TFC certified facilitator. The facilitator will present the upcoming assignments, foster class discussions, proctor tests, record speeches, review writing assignments and assist with technology issues. The facilitator will also tutor students outside of class when such assistance is requested through TandemEDU administration.

Class length: 8 weeks

Class Grading Options:

Tandem Partner Level: The facilitator is responsible for overseeing grades and providing periodic progress reports to the parent.

Class Materials: Free online textbook is provided

Tuition Cost: None for 11th and 12th grade students who have not exceeded the 30-credit state funding limit.

SCI 243 Earth Science (1 high school credit and 3 college credits)

Course Description: This course is a general survey of astronomy, meteorology, and geology. Topics include the origin of the universe, stars, galaxies, the solar system, Earth's atmosphere, atmospheric pollution, the seasons, weather and storms, tides, Earth history, rocks and minerals, plate tectonics, earthquakes, and volcanoes. Prerequisite: None. At the conclusion of this course students will

- ❖ Gain a basic understanding of the subject, including features of the universe, the solar system, the atmosphere and weather, tides, and the composition and characteristics of the Earth including physical geological processes that transform its surface.
- ❖ Important Program Learning Outcomes
- ❖ Learn to analyze and critically evaluate ideas, arguments, and points of view regarding theories of the origin and nature of the universe and anthropogenic influences on the Earth system.
- ❖ Learn appropriate methods for collecting, analyzing, and interpreting numerical information by completing a seismic activity data table project.

Class Delivery Method: Course content will be delivered online through Toccoa Falls College under the direction of the course professor. Students will meet weekly in the TandemEDU classroom with a TFC certified facilitator. The facilitator will present the upcoming assignments, foster class discussions, proctor tests, record speeches, review writing assignments and assist with technology issues. The facilitator will also tutor students outside of class when such assistance is requested through TandemEDU administration.

Class length: 8 weeks

Class Grading Options: *Tandem Partner Level:* The facilitator is responsible for overseeing grades and providing periodic progress reports to the parent.

Class Materials: *Fee online textbook provided.*

Tuition Cost: None for 11th/12th grade students who have not exceeded the 30-credit state funding limit.

MAT 133 College Algebra (1 high school credit and 3 college credits)

Course Description: A study of polynomial and rational functions with an emphasis on their graphic representations. Topics include solving equations and inequalities, properties of logarithmic, exponential, and inverse functions, transformations, and complex numbers. Prerequisite none.

At the conclusion of this class students will:

Gain factual knowledge of functions and algebraic operations.

Learn to apply course material for solving linear, quadratic, exponential, and logarithmic functions.

Learn appropriate methods for collecting, analyzing, and interpreting numerical information as it relates to constructing mathematical models and solving related problems.

Class Delivery Method: Course content will be delivered online through Toccoa Falls College under the direction of the course professor. Students will meet weekly in the TandemEDU classroom with a TFC certified facilitator. The facilitator will present the upcoming assignments, foster class discussions, proctor tests, record speeches, review writing assignments and assist with technology issues. The facilitator will also tutor students outside of class when such assistance is requested through TandemEDU administration.

Class length: 8 weeks

Class Grading Options: *Tandem Partner Level:* The facilitator is responsible for overseeing grades and providing periodic progress reports to the parent.

Class Materials: <https://openstax.org/details/books/college-algebra>

Tuition Cost: None for 11th/12th grade students who have not exceeded the 30-credit state funding limit.

Tandem Tier 3

BSF 103 Biblical Spiritual Formation (1 high school credit and 3 college credits)

This course serves as the gateway course into the curriculum and student-life experience of Toccoa Falls College. Building on a foundation of biblical texts and principles, this course is designed to orient the student to the cognitive, affective, and volitional nature of spiritual formation, its practices and potential challenges, and explores how spiritual formation is integrated throughout the curricular and co-curricular components of Christian higher education. This course will also help students learn how personal evangelism, world evangelism and effective ministry flow from a commitment to spiritual formation. Prerequisite: None. This course is required for AA degree seeking students. The goals of this class include:

- Gaining a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories) including how personal spiritual disciplines and campus ministries/programs can create an atmosphere conducive for spiritual formation and ministry.
- Developing knowledge and understanding of diverse perspectives, global awareness, or other cultures
- Developing specific skills, competencies, and points of view needed by Christians as they interact within professional, public, and private spheres.
- Learning to analyze and critically evaluate ideas, arguments, and points of view
- Learning to apply knowledge and skills to benefit others or serve the public good through a Kingdom mindset

Class Delivery Method: Course content will be delivered online through Toccoa Falls College under the direction of the course professor. Students will meet weekly in the TandemEDU classroom with a TFC certified facilitator. The facilitator will present the upcoming assignments, foster class discussions, proctor tests, record speeches, review writing assignments and assist with technology issues. The facilitator will also tutor students outside of class when such assistance is requested through TandemEDU administration.

Class length: 8 weeks

Class Grading Options: Tandem Partner Level: The facilitator is responsible for overseeing grades and providing periodic progress reports to the parent.

Class Materials: Check the campus bookstore: <https://tfc.ecampus.com/> (not covered by state funds).

Tuition Cost: This course is not covered by GA state dual enrollment funds. College tuition is \$498 for AA degree seeking students and \$600 for no- AA degree students.

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OTE 103 Old Testament (1 high school credit and 3 college credits)

In this course, students will study of the purpose and message of the Old Testament. The Old Testament books are examined in light of their structure, historical setting, genre, message, and distinctives and how each part contributes to the whole. Prerequisite: None. This course is required for AA degree seeking students. The goals of this class include:

- *Gaining a broader understanding of the key events, people, and places, literary and chronological outlines, and themes of the Old Testament.
- *Developing reasoning that leads to a clearer understanding of, and commitment to, the importance of the Old Testament and its implications for your life.
- *Learning to analyze and critically evaluate various genres of the OT: law, history, poetry & prophecy.

Class Delivery Method: Course content will be delivered online through Toccoa Falls College under the direction of the course professor. Students will meet weekly in the TandemEDU classroom with a TFC certified facilitator. The facilitator will present the upcoming assignments, foster class discussions, proctor tests, record speeches, review writing assignments and assist with technology issues. The facilitator will also tutor students outside of class when such assistance is requested through TandemEDU administration.

Class length: 8 weeks

Class Grading Options: *Tandem Partner Level:* The facilitator is responsible for overseeing grades and providing periodic progress reports to the parent.

Class Materials: Check the campus bookstore: <https://tfc.ecampus.com/>

Tuition Cost: None for 11th/12th grade students who have not exceeded the 30-credit state funding limit.