

Tandem Tier 2

American Literature (1 high school credit)

This course will challenge students with curriculum and workloads typical of an introductory college level literature course. This course is designed to enhance the student's knowledge of American history, increase the student's appreciation for American culture, and develop writing and speaking skills through a thorough examination of literature from the American pre-colonial period to the present day. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. Students are required to read and critically analyze the literary selections, but, more importantly, to respond to those works in expository, analytical, and argumentative writing. Students will also be asked to write personal responses to writing and to create pieces imitating the authors being studied. The principals of college-level writing must be used at all times, demonstrating mastery of research, citation, vocabulary, English grammar, and organization. Students should anticipate daily reading assignments, weekly reading quizzes and weekly writing assignments. Daily work will also include preparation for the American Literature CLEP exam; at the conclusion of this course, students will have the opportunity to sit for this exam.

Class Delivery Method: Students will meet weekly with the teacher in the classroom setting to receive instruction in assignments for the upcoming week. Students will then view daily video lessons, reading assignments, writing assignments and other daily lessons at home.

Class Length: 32 weeks

Class Grading: This course will consist of weekly quizzes, reading and writing assignments. Daily homework will be assigned but must be graded by the student or the parent at home.

Class Materials: [American Literature student workbook](#) by Master Books, ISBN 978-0-89051-671-3 and [Through the Gates of Splendor](#) paperback for summer reading assignment [CLEP American Literature](#) by REA, ISBN 978-0-7386-1175-4. This book is required for AA degree students; highly recommended for all other students

Required Class Supplies: Filler paper, three ring binder, 2 pocket file folder, pen, spiral notebook, 12-pack colored pencils.

Approximate Materials Cost: [American Literature student workbook](#) \$35, [CLEP American Literature](#) \$30. Speedy Prep subscription 4th quarter, \$30-\$80.

Algebra 2 (1 high school credit)

This foundational math class emphasizes self-motivation and mastery learning, skills necessary for success in high school, college and career. Topics covered include functions & relations, linear functions, systems of linear equations & inequalities, quadratic functions & complex numbers, exponential & logarithmic functions, rational algebraic functions, irrational algebraic functions, quadratic relations & systems, higher-degree functions & complex numbers, sequences & series, probability/data analysis/functions of a random variable, trigonometric & circular functions, properties of trigonometric & circular functions, and triangle problems. Students will be exposed to extensive vocabulary which is helpful for standardized test prep. Throughout this course students will have the opportunity to review previous concepts and experience new concepts before they are presented in the lesson. In this course, students will become competent using the graphing calculator. This thorough course does an excellent job of preparing students for calculus and college level math as well as standardized tests.

Class Delivery Method: Students will meet weekly in the classroom to receive assignments for the upcoming week and to review difficult concepts. Homework assignments will be completed at home using the digital lecture, digital solutions and textbook. Students must submit any homework questions, difficult concepts or areas needing clarification to the teacher 24 hours prior to the weekly class meeting. The teacher will explain these concepts in class the following day.

Class length: 32 weeks

Class Competency: All students must pass the course with a final grade of 85% or higher to move into the Math Modeling class at TFC.

Class Grading: The Algebra 2 instructor is responsible for grading all quizzes and tests. The student will self-grade the daily assignments. The competency exam must be administered by TandemEDU and graded by the Tandem instructor.

Class Materials: [Algebra 2 and Trigonometry](#) by Paul Foerster, [Home Study Companion: Algebra 2](#) by David Chandler.

Approximate Materials Cost: *Algebra 2 and Trigonometry* \$63, *Home Study Companion: Algebra 2* by David Chandler \$80 (purchased by TandemEDU).

Chemistry Lab (1/2 high school credit)

This college prep laboratory class is designed to be educationally challenging, safe and comprehensive. Topics covered include chromatography, atomic orbitals, carbonate reactions, electrical conductivity, decomposition, reactions, hydrates, mole ratios, Boyle's Law, Charles' Law, freezing point, melting points, enthalpy, reversible reaction, reaction rates, solubility, titration, molar mass, stoichiometry, oxidation, Galvanic cells, hydrocarbons, polymers and nuclear decay. As scientific learners, students will collect and analyze data, interpret results, draw conclusions and communicate their findings through weekly laboratory reports, a tool used consistently in college level science courses. Throughout the class, students will work both independently and collaboratively in a laboratory based setting which incorporates an active learning approach.

Class Delivery Method: Students will meet weekly in the classroom setting to complete laboratory exercises in small groups. Lab reports will be completed in class as time allows or at home. Quizzes and tests will be utilized to measure student understanding of the laboratory concepts presented in class.

Class length: 32 weeks

Class Grading Options: The lab teacher is responsible for grading all lab reports, quizzes and tests.

Class Materials: [Chemistry Lab Kit and Lab Manual](#) by Quality Science Labs including 31 lab experiments.

Required Class Supplies: Filler paper, pencil or pen, 2 pocket file folder, scientific calculator

Course Grading:

Students will be required to submit weekly lab report sheets 7 days after the lab experiment. All lab reports and tests will be graded and posted within 7 days. Failure to turn in a laboratory report sheet on the due date will result in a 10% reduction in the final grade for that assignment.

Approximate Materials Cost: Lab manual and supply fee \$120 both purchased by TandemEDU.

Tandem Tier 2

ENG 113 Freshman Composition I (1 high school credit and 3 college credits)

Effective communication skills are necessary to meet the demands of rhetorical contexts encountered on a daily basis. Proficient writers learn to adapt their personas in response to the distinctive needs of target readers. Class activities will refine writing techniques to impact diverse audiences. Lessons will analyze traits of narrative, expository, and argumentative discourse. Assignments will provide opportunities to employ informed interpretive methods in the evaluation of thematic messages. Course materials will help you to examine interdisciplinary perspectives through the filter of a value-centered approach. Readings of social commentaries will encourage you to contemplate complex issues in the framework of a biblical worldview. By the end of this class, students will:

- ❖ Gain factual knowledge of appropriate use of Standard English grammar and punctuation.
- ❖ Apply course material to enhance interpretive capabilities.
- ❖ Acquire skill in creating oral and written modes of discourse.
- ❖ Develop a clearer understanding of, and commitment to, personal biblical values.
- ❖ Learn to analyze and critically evaluate ideas, arguments, and points of view.
- ❖ Learn to apply course material (to improve thinking, problem solving, and decisions).
- ❖ Develop creative capacities (inventing, designing, writing, performing in art, music, drama, etc.).
- ❖ Develop skill in expressing oneself orally or in writing.
- ❖ Learn how to find, evaluate, and use resources to explore a topic in depth.
- ❖ Learn to analyze and critically evaluate ideas, arguments, and points of view.

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 and offer a writing lab and essay review when such assistance is appropriate.

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: Select reading and research resources provided by TFC.

Approximate Materials Cost: None

Tuition Cost: This course is NOT covered by DE Funds for 9th/10th grade students; TFC has reduced the tuition to \$498 for AA degree students and \$600 for non AA degree students.

HIS 233 American History I (1 high school credit and 3 college credits)

This course traces political, social, economic, and cultural developments from the Colonial Period through Reconstruction. Cause-and-effect interrelationships among individuals, issues, and events are emphasized. Interaction with primary source documents facilitates critical thinking and historical insight.

In this course, students will:

- ❖ Gain a basic understanding of the subject (e.g., factual knowledge, principles, generalizations, theories)
- ❖ Develop knowledge and understanding of diverse perspectives, global awareness, or other cultures
- ❖ Learn how to find, evaluate, and use resources to explore a topic in depth 4—Learning to analyze and critically evaluate ideas, arguments, and points of view. 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 review historical essays and give feedback as requested by the student.

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: The assigned text is Paul Johnson, *A History of the American People* ISBN-10: 0060930349 ISBN-13: 978-0060930349. The cost of the online textbook is \$15 purchased through TFC.



A History of the American People
by Johnson, Paul
ISBN: 9780060930349
Format: Paperback
Pub. Date: 5/17/2010

Tuition Cost: This course is NOT covered by DE Funds for 9th/10th grade students; TFC has reduced the tuition to \$498 for AA degree students and \$600 for non-AA degree students.