

2023-2024 BTM Course Descriptions

ENGLISH

Course Information	Course Description	Materials
HS American Literature Grades: 10th - 12th \$350 +\$25 material/copy fee Trina Ferguson trinafergusonbtm@gmail.com	<p>In this class, students will learn language arts through studying classic American literature! Units will be organized around various genres of literature, from short stories and novels to plays, poetry, music, art, and movies. Students will also dive deeper into the writing process from the short story to poetry to three styles of essay writing. This is a rigorous course where much time will be devoted to critical & creative writing, editing, reading comprehension, and class discussions. Vocabulary building through the various reading assignments and Grammar refreshers will also be included in this class. This is a one-credit English course. Prerequisite: Must have taken at least 1 year of English with a grammar and composition focus and be in 10th - 12th grades. A writing sample is needed either before registration or within a week after registering for the class IF the student has not taken an English class at BTM.</p>	<p>Required Texts:</p> <ul style="list-style-type: none"> • Learning Language Arts Through Literature The Gold Book: American Literature, 3rd Edition By: Greg Strayer Ph.D. • ISBN: 1929683332; ISBN-13: 9781929683338 • Christianbook.com (\$21.84) Amazon.com, Rainbow Resource.com • The Red Badge of Courage by Stephan Crane (ISBN: 0553210114) • The Old Man and the Sea by Ernest Hemingway (ISBN: 0684801221) • The Pearl by John Steinbeck (ISBN: 014017737X) • The Mentor Book of Major American Poets edited by Oscar Williams and Edwin Honig (ISBN: 0451627911) • Great American Short Stories edited by Wallace and Mary Stegner (ISBN: 0440330602) <p>Supplies and Equipment:</p> <ul style="list-style-type: none"> • 2" 3-ring binder with 5 dividers

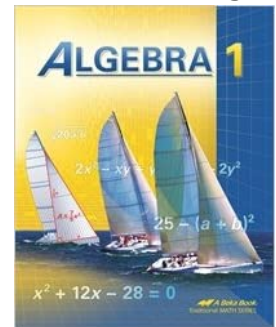
		<ul style="list-style-type: none"> • Access to a computer & printer • Gmail account for Google Classroom • Pens, pencils, erasers, etc. • Spiral notebook for class OR plenty of Notebook Paper in the binder • Basic art supplies for various projects
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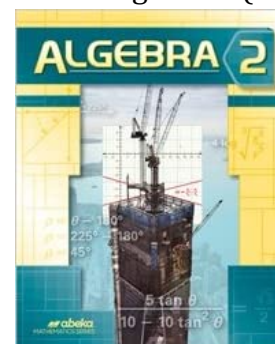
SOCIAL SCIENCES

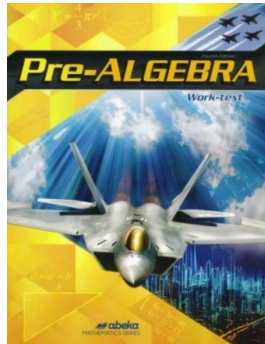
Course Information	Course Description	Materials
MS World History (6th-8th) \$350 +\$25 material/copy fee Trina Ferguson trinafergusonbtm@gmail.com	<p>In this class, students will learn and experience the world from the ancient civilizations to the early Renaissance to the 20th century & modern communications (and so much more in between). Students will experience the various eras through hands-on activities, cooking assignments, biographies, virtual landmark field trips, creative projects, and “Mock Days” where students will step into the daily life of another child during a specific time period.</p> <p>(Although I am not offering it as a part of the class, this Notgrass curriculum can be used as a one-year world history AND literature curriculum for students in grades 5-8. See their website for additional books.)</p> <p>Prerequisite: None</p>	<p>Required Text:</p> <ul style="list-style-type: none"> • From Adam to Us, Part 1 (ISBN: 1609990846) • From Adam to Us, Part 2 (ISBN: 1609990854) • From Adam to Us Student Workbook (ISBN: 1609990900) • From Adam to Us Timeline Book (ISBN: 1609990889) • From Adam to Us Map Book (ISBN: 1609990870) <p>Supplies and Equipment:</p> <ul style="list-style-type: none"> • 2” 3-ring binder with 5 dividers with plenty of notebook paper • Access to a computer & printer • Access to Google Classroom • Pens, pencils, erasers, etc.

		<ul style="list-style-type: none"> Basic art supplies for various projects
HS U.S. Government & Politics (10th-12th) \$350 + \$25 material/copy fee Trina Ferguson trinafergusonbtm@gmail.com	This course provides an analysis and practical-learning approach to the study of the history and current policies of the US Government as well as the political systems within the United States. Interactive Student-Government mock election & governing body applications throughout the school year will also be included. Through interactive lessons and games, this course will cover federal, state, and local government through iCivics.org and Crash Course Government. This course counts as one credit for American Government. Grades 10-12.	Text: <ul style="list-style-type: none"> Notgrass 2016 edition of Exploring Government Notgrass We Hold These Truths Notgrass Student Review Book Supplies and Equipment: <ul style="list-style-type: none"> 2" 3-ring binder or folder to keep work together and paper to take notes Access to a computer & printer Gmail account for Google Classroom Pens, pencils, erasers, art supplies, etc.

MATH

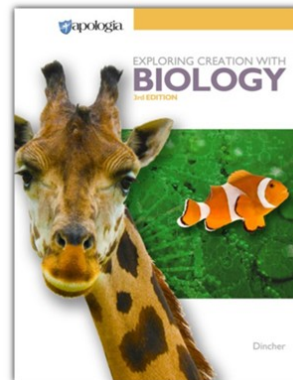
Course Information	Course Description	Materials
Algebra 1 (8th-10th) \$350 + \$20 copy fee Christina Rafter, chrstnrfr@gmail.com	This course will train students to think systematically as we apply and expand on the axioms, rules, and principles learned in pre-algebra. We will solve linear equations that include fractions, decimals, radicals, and absolute value expressions. Students will graph, analyze, and solve two-variable equations, inequalities, and functions, and learn geometry concepts. Throughout this text, clearly explained concepts build upon each other section-by-section. Prerequisite: Students entering this class must have successfully completed pre-algebra with a grade of C or better, and	Text: <ul style="list-style-type: none"> Abeka Algebra 1 (2016)  Supplies and Equipment:

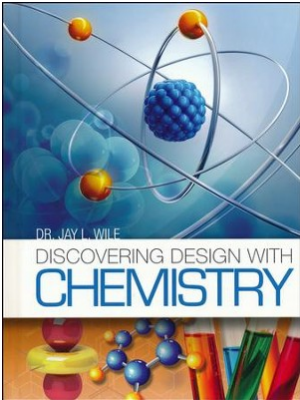
	may be required to complete an assessment to ensure proper placement.	<ul style="list-style-type: none"> • Notebook or binder with LOTS of lined paper • Graph paper • Access to a computer & printer • Gmail account for Google Classroom • Pens, pencils, erasers, etc. • Calculator
Algebra 2 (9th–12th) \$350 + \$20 copy fee Christina Rafter, chrstnrfr@gmail.com	<p>Algebra 2 is your students' gateway to higher mathematics and sciences and is essential to preparing your student for college. Students will further investigate concepts that were introduced in Algebra 1, such as linear equations, linear inequalities, polynomials, probability, statistics, and more. They will also transition into Pre-calculus as they study exponential and logarithmic functions and matrices and are introduced to trigonometric equations and identities.</p> <p>Prerequisite: Students entering this class must have successfully completed an Algebra 1 class with a grade of C or better, and may be required to complete an assessment to ensure proper placement.</p>	<p>Text:</p> <ul style="list-style-type: none"> • Abeka Algebra 2 (2016)  <p>Supplies and Equipment:</p> <ul style="list-style-type: none"> • Notebook or binder with LOTS of lined paper • Graph paper • Access to a computer & printer • Gmail account for Google Classroom • Pens, pencils, erasers, etc. • Calculator
Pre-Algebra (7th-8th)* \$350 + \$20 copy fee Jaci Smith bjsmith3418@aol.com	<p>This course is designed to build the bridge between basic arithmetic and algebra. Concepts presented include a review of foundational math, English and metric measures; scientific notation; properties of mathematics; signed number arithmetic; sequences; basic algebraic concepts; like and unlike terms; linear</p>	<p>Text:</p> <ul style="list-style-type: none"> • Abeka Pre-Algebra (Revised) - 4th Edition Worktext. (Abeka

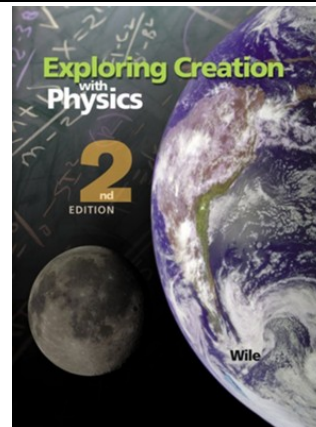
	<p>equation; linear inequalities; word problems solved algebraically; plane and solid geometric concepts; perimeter, area, surface area, and volume; graphing on the cartesian plane; functions; probability and statistics; polynomial arithmetic; powers and roots; simplifying radicals; quadratic equations; the Pythagorean theorem; sine, cosine, and tangent; systems of equations. Successful completion of this course will provide your student with the foundation required for Algebra I.</p> <p>Prerequisite: Successful completion of 7th grade math with a C or better and/or an assessment test.</p>	<p>Item #319155)</p> 
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SCIENCE


Course Information	Course Description	Materials
<p>MS General Science (6th-8th) \$350 + \$50 lab fee</p> <p>Lawrence Ferguson lawferguson@yahoo.com</p> <p>Jualecia Malone jualeciam@comcast.net</p>	<p>In this course, students will learn about the history of science, the scientific method, simple machines, geology, paleontology, the history of life, how your body works, and some of the amazing living creatures that exist in God's creation. Labs and other hands-on activities will be used to enhance the learning experience. This course is a year long course. The first semester, taught by Lawrence Ferguson, will focus on the scientific method as well as an introduction to many types of sciences. The second semester, taught by Jualecia Malone, will focus on the anatomy and physiology of the human body.</p>	<p>Text:</p> <ul style="list-style-type: none"> ● Apologia's General Science 2nd Edition (NOT 3rd Edition) <p>Supplies:</p> <ul style="list-style-type: none"> ● Binder with plenty of lined paper ● Composition notebook for labs ● Colorful pens and/or pencils
<p>Physical Science (8th-9th) \$350 plus \$50 lab fee</p> <p>Trina Ferguson trinafergusonbtm@gmail.com</p>	<p>In this class, we will discuss topics such as the atmosphere, the hydrosphere, weather, the structure of the earth, environmentalism, the physics of motion, Newton's Laws, gravity, and astrophysics.</p>	<p>Text:</p> <ul style="list-style-type: none"> ● Exploring Creation with Physical Science, 3rd Edition ● Exploring Creation with Physical Science, 3rd Edition, Solutions and Tests (optional)

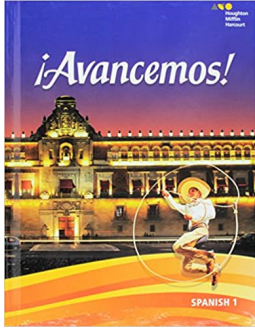



		Supplies Needed: <ul style="list-style-type: none"> • 2" 3-ring binder with dividers and plenty of lined paper • Access to a computer & printer • Colored pens or pencils (if using pens be sure they are not the kind that bleeds through paper) • Pens, pencils, erasers, glue, scissors
Biology (9th-12th)* \$350 + \$50 lab fee Christina Rafter chrstnrfr@gmail.com	<p>This college-prep biology course provides students with a thorough understanding of the relevance of scientific inquiry. Textbook readings are backed by hands-on experiments that take students' book knowledge and bring it into real-world applications. Experiments will include becoming familiar and proficient with the microscope and several dissections. After completing this course, students will be able to understand the vocabulary of biology and gain a strong understanding of the scientific method that will equip them to analyze data across other disciplines. Modules cover atoms, chemical structures, ecosystems, biomes, ecological communities, cell structure and function, cellular energy, DNA, proteins, cell cycles, and genetics. Students will also learn about prokaryotes, viruses, protists, fungi, and the fascinating worlds of plants and animals.</p> <p><i>*Advanced 8th graders will be considered on a case-by-case basis per tutor approval.</i></p>	<p>Text:</p> <ul style="list-style-type: none"> • Apologia Exploring Creation with Biology 3rd Edition  <p>Supplies and Equipment:</p> <ul style="list-style-type: none"> • Notebook or binder with LOTS of lined paper • Access to a computer & printer • Gmail account for Google Classroom • Quality set of colored pens or pencils
Chemistry (10th-12th) \$350 + \$50 lab supply & copy fee	<p>This rigorous, college-preparatory course covers fundamental aspects of chemistry such as the classification of matter, atomic structure, spectroscopy,</p>	<p>Text:</p> <ul style="list-style-type: none"> • Berean Builders Discovering Design through Chemistry

<p>Christina Rafter chrstnrfr@gmail.com</p>	<p>chemical bonding, molecular geometry, physical change, chemical change, stoichiometry, solutions, ideal gases, acid/base chemistry, reduction/oxidation reactions, thermochemistry, thermodynamics, kinetics, and chemical equilibrium. Weaving together concepts and their mathematical applications, the course teaches students how to think as a chemist so they can analyze the major changes that occur in matter. Throughout the course, the student is shown how chemistry reveals the amazing design that exists all around us. From the details of atomic structure to the makeup of the very air that we breathe, chemistry shows us the marvelous handiwork of God.</p> <p>Prerequisite: Algebra 1</p>	 <p>Supplies and Equipment:</p> <ul style="list-style-type: none"> • Notebook or binder with LOTS of lined paper • Access to a computer & printer • Gmail account for Google Classroom • Quality set of colored pens or pencils • Calculator <p>*Lab goggles and aprons are provided, however, students that prefer to do so are welcome to bring their own.</p>
<p>Physics (11th-12th) \$350 + \$40 lab supply & copy fee</p> <p>Christina Rafter chrstnrfr@gmail.com</p>	<p>This rigorous, college-preparatory course is designed to be the student's first physics course and is generally taken in 11th or 12th grade. It provides a detailed introduction to the methods and concepts of general physics, heavily emphasizing vector analysis. It provides the student with a strong background in one-dimensional and two-dimensional motion, Newton's laws and their application, gravity, work and energy, momentum, periodic motion, waves, optics, electrostatics, electrodynamics, electrical circuits, and magnetism. Each concept and mathematical formula we</p>	<p>Text:</p> <ul style="list-style-type: none"> • Apologia Exploring Creation with Physics 2nd Edition

	<p>learn to apply will be backed up with hands-on experiments to solidify understanding. Prerequisite: Algebra 1</p>	 <p>Supplies and Equipment:</p> <ul style="list-style-type: none"> • Notebook or binder with LOTS of lined paper • Access to a computer & printer • Gmail account for Google Classroom • Quality set of colored pens or pencils • Calculator
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WORLD LANGUAGES

Course Information	Course Description	Materials
<p>Intro to Spanish (6th-8th) \$350</p> <p>Alejandra Zuniga ales.spanish@gmail.com</p>	<p>This class is designed to help students build foundational listening, speaking, reading, writing skills in Spanish and to expose the student to the different cultures of the Spanish- speaking world. Students will learn to listen and to read with awareness to discover word meanings and relations. The focus of this Spanish course will be on learning vocabulary and practicing pronunciation. A wide variety of methods and techniques will be used to reach, motivate, and challenge each student.</p>	<p>Text: Skills for Success Spanish Workbook</p> 

<p>Spanish 1 (9th-12th) \$350</p> <p>Alejandra Zuniga ales.spanish@gmail.com</p>	<p>This course introduces students to effective strategies for beginning Spanish language learning, and to various aspects of Spanish speaking culture. It focuses on the four basic language skills: listening comprehension, speaking, reading, and writing. Students will be introduced to common vocabulary, phrases, and concepts necessary for daily interpersonal interaction. This course encourages interpersonal communication through speaking and writing by providing opportunities to make and respond to basic requests and questions, to understand and use appropriate greetings and forms of address, to participate in brief guided conversations on familiar topics, and to write short passages with guidance.</p>	<p>Text:</p> <ul style="list-style-type: none"> • ¡Avancemos!: Student Edition Level 1 2018 (Spanish Edition) Student Edition, Text & Workbook (Cuaderno)  
<p>Spanish 2 (10th-12th) \$350</p> <p>Alejandra Zuniga ales.spanish@gmail.com</p>	<p>Spanish 2 – This course is designed to review and build upon material presented in Spanish I. The activities provided are designed to increase the student's proficiency in the four basic skills: listening comprehension, speaking, reading, and writing. Students will increase their knowledge of Spanish grammatical structures and vocabulary, improving their ability to freely communicate ideas using more advanced tenses and awareness of the Spanish culture through more advanced reading, writing, and listening activities. There will be expanded opportunities to practice speaking. Prerequisite: Successful completion of Spanish 1 with a grade of C or better.</p>	<p>Text:</p> <ul style="list-style-type: none"> • ¡Avancemos!: Student Edition Level 2 2018 (Spanish Edition) Student Edition, Text & Workbook (Cuaderno)  

ELECTIVES

Course Information	Course Description	Materials
<p>High School Health <i>(1st Semester Only)</i> (9th-12th)</p>	<p>This 1/2 credit, one semester course covers spiritual, physical and emotional health. Anatomy, physiology, common illnesses (infectious and noninfectious), first</p>	<p>Text:</p> <ul style="list-style-type: none"> • Total Health: Choice for a Winning Lifestyle, Student Text

<p>\$175 + \$35 lab fee</p> <p>Jualecia Malone jualeciam@comcast.net</p>	<p>aid and CPR are highlighted. Reproductive health is discussed in gender split classes. The lab fee covers the cost of a stethoscope and other supplies..</p>	<p>Supplies:</p> <ul style="list-style-type: none"> ● Binder ● Colored pencils/pens
<p>MS/HS Physical Education (6th-12th) \$350 + possible equipment fee? (TBD)</p> <p>Shawn Richardson onefavoredfamily@gmail.com</p>	<p>This course focuses on fitness, strength training, physical conditioning, concepts, activities and knowledge that promote lifelong health and wellness. It will provide exposure to a variety of movement opportunities and experiences which include, but are not limited to kickball, volleyball, soccer, basketball, dodgeball, pickleball, obstacle courses, relay races and other team related activities.</p>	

Updated 6-22-2023