

Course Description Grade	Algebra 1 8th-9th grade
<i>Philosophy Statement:</i>	This course is designed to enable students to understand the perfect and absolute nature of God through the study of mathematical concepts in order to attain essential skills that reflect an Intelligent Designer.
<i>Course Description:</i>	The content of Algebra 1 is organized around families of functions, with a special emphasis on linear and quadratic functions. As students learn about each family of functions, they will learn to represent them in multiple ways (as verbal descriptions, equations, tables, and graphs). They will also learn to model real-world situations using functions in order to solve problems arising from those situations.
<i>Textbooks:</i>	Holt-McDougal Larson Algebra 1 Copyright 2012
<i>Materials:</i>	Student textbook Practice and enrichment worksheets Manipulative materials Dry Erase Boards Graph paper Calculators
<i>Time Allotment:</i>	54 minutes per day, 3 days a week 48 minutes per day, 2 days a week
<i>Course Content:</i>	<ul style="list-style-type: none"> ● Expressions, Equations, and Functions ● Solving Linear Equations ● Graphing Linear Equations and Functions ● Writing Linear Equations ● Solving and Graphing Linear Inequalities ● Systems of Equations and Inequalities ● Exponents and Exponential Functions ● Polynomials and Factoring ● Quadratic Equations and Functions ● Data Analysis ● Probability
<i>Areas to be evaluated:</i>	Class participation Homework assignments Quizzes Tests Bellwork Projects
<i>Additional activities:</i>	Guest Speakers Potential Math Competitions

Course Description Grade	Algebra 2 10th-11th grade
<i>Philosophy Statement:</i>	This course is designed to enable students to understand the perfect and absolute nature of God through the study of mathematical concepts in order to attain essential skills that reflect an Intelligent Designer.
<i>Course Description:</i>	The content of Algebra 2 is organized around families of functions, including linear, quadratic, exponential, logarithmic, radical, and rational functions. As students study each family of functions, they will learn to represent them in multiple ways (as verbal descriptions, equation, tables, and graphs). They will also learn to model real-world situations using functions in order to solve problems arising from those situations.
<i>Textbooks:</i>	Holt-McDougal Larson Algebra 2 Copyright 2012
<i>Materials:</i>	Student textbook Practice and enrichment worksheets Manipulative materials Dry Erase Boards Graph paper Calculators
<i>Time Allotment:</i>	54 minutes per day, 3 days a week 48 minutes per day, 2 days a week
<i>Course Content:</i>	<ul style="list-style-type: none"> ● Quadratic Functions and Factoring ● Polynomials and Polynomial Functions ● Rational Exponents and Radical Functions ● Exponential and Logarithmic Functions ● Rational Functions ● Data Analysis and Statistics ● Sequences and Series ● Quadratic Relations and Conic Sections ● Trigonometric Ratios and Functions ● Trigonometric Graphs, Identities, and Equations
<i>Areas to be evaluated:</i>	Class participation Homework assignments Quizzes Tests Bellwork Projects
<i>Additional activities:</i>	Guest Speakers Potential Math Competitions

Course Description Grade	Consumer Mathematics 11th-12th
<i>Philosophy Statement:</i>	This course is designed to enable students to understand the perfect and absolute nature of God through the study of mathematical concepts in order to attain essential skills that reflect an Intelligent Designer.
<i>Course Description:</i>	In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester of Consumer Math, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slideshows help illustrate some of the more difficult content. Throughout the course, students participate in online discussions with each other and their teacher.
<i>Textbooks:</i>	Consumer Mathematics in Christian Perspective A Beka Book Copyright 1998
<i>Materials:</i>	Student textbook Practice and enrichment worksheets Manipulative materials Dry Erase Boards Calculators
<i>Time Allotment:</i>	54 minutes per day, 3 days a week 48 minutes per day, 2 days a week
<i>Course Content:</i>	<ul style="list-style-type: none"> ● Buying a Car ● Travel ● Income ● Budgeting ● Housing ● Food ● Clothing ● Leisure ● Federal Taxes and Records ● Banking ● Investments ● The Small Business
<i>Areas to be evaluated:</i>	Class participation Homework assignments Bellwork Projects
<i>Additional activities:</i>	Guest Speakers Potential Math Competitions

Course Description Grade	Geometry 9th-10th
<i>Philosophy Statement:</i>	This course is designed to enable students to understand the perfect and absolute nature of God through the study of mathematical concepts in order to attain essential skills that reflect an Intelligent Designer.
<i>Course Description:</i>	This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations and right triangle trigonometry.
<i>Textbooks:</i>	Holt-McDougal Larson Geometry Copyright 2012
<i>Materials:</i>	Student textbook Practice and enrichment worksheets Manipulative materials Dry Erase Boards Graph paper Calculators
<i>Time Allotment:</i>	54 minutes per day, 3 days a week 48 minutes per day, 2 days a week
<i>Course Content:</i>	<ul style="list-style-type: none"> ● Essentials of Geometry ● Reasoning and Proof ● Parallel and Perpendicular Lines ● Congruent Triangles ● Relationships within Triangles ● Similarity ● Right Triangles and Trigonometry ● Quadrilaterals ● Properties of Transformations ● Properties of Circles ● Measurement of Figures and Solids ● Probability
<i>Areas to be evaluated:</i>	Class participation Homework assignments Quizzes Tests Bellwork Projects
<i>Additional activities:</i>	Guest Speakers Potential Math Competitions

Course Description Grade	Personal Finance 11th-12th
<i>Philosophy Statement:</i>	This course is designed to enable students to understand the perfect and absolute nature of God through the study of mathematical concepts in order to attain essential skills that reflect an Intelligent Designer.
<i>Course Description:</i>	<p>“Foundations in Personal Finance: High School Edition will change the financial future of your students and set them on a path to win with money, allowing you to change the way your students look at money forever. They will be empowered, equipped and entertained while building confidence in their own financial decision-making.” --www.daveramsey.com</p> <p>Students learn basic principles of economics & best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, & making responsible choices about income & expenses. They gain a deeper understanding of capitalism & other systems so they can better understand their role in the economy of society. Students are inspired by experiences of finance professionals & stories of everyday people & choices they make to manage their money.</p>
<i>Textbooks:</i>	Foundations in Personal Finance High School Edition Copyright 2014 Dave Ramsey
<i>Materials:</i>	Student textbook Practice and enrichment worksheets Manipulative materials Dry Erase Boards Graph paper Calculators
<i>Time Allotment:</i>	48 minutes per day, 2 days a week
<i>Course Content:</i>	<ul style="list-style-type: none"> ● Introduction to Personal Finance ● Saving ● Budgeting ● Debt ● Life After High School ● Consumer Awareness ● Bargain Shopping ● Investing and Retirement ● Insurance ● Money and Relationships ● Careers and Taxes ● Giving
<i>Areas to be evaluated:</i>	Class participation Homework assignments Quizzes Tests Bellwork Projects
<i>Additional activities:</i>	Guest Speakers Potential Math Competitions

Course Description Grade	Pre-Algebra 7th-8th grade
<i>Philosophy Statement:</i>	This course is designed to enable students to understand the perfect and absolute nature of God through the study of mathematical concepts in order to attain essential skills that reflect an Intelligent Designer.
<i>Course Description:</i>	Pre-Algebra will give students a strong foundation in algebra while preparing them for future study of geometry, probability, and data analysis.
<i>Textbooks:</i>	Holt-McDougal Larson Pre-Algebra Copyright 2012
<i>Materials:</i>	Student textbook Practice and enrichment worksheets Manipulative materials Dry Erase Boards Graph paper Calculators
<i>Time Allotment:</i>	54 minutes per day, 3 days a week 48 minutes per day, 2 days a week
<i>Course Content:</i>	<ul style="list-style-type: none"> ● Variables, Expressions, and Integers ● Solving Equations ● Multi-Step Equations and Inequalities ● Factors, Fractions, and Exponents ● Rational Numbers and Equations ● Ratio, Proportion, and Probability ● Percents ● Linear Functions ● Real Numbers and Right Triangles ● Measurement, Area, and Volume ● Data Analysis and Probability ● Angle Relationships and Transformations
<i>Areas to be evaluated:</i>	Class participation Homework assignments Quizzes Tests Bellwork Projects
<i>Additional activities:</i>	Guest Speakers Potential Math Competitions

Course Description Grade	Pre-Calculus 11th-12th grade
<i>Philosophy Statement:</i>	This course is designed to enable students to understand the perfect and absolute nature of God through the study of mathematical concepts in order to attain essential skills that reflect an Intelligent Designer.
<i>Course Description:</i>	This course is designed to cover topics in Algebra ranging from polynomial, rational, and exponential functions to conic sections. Trigonometry concepts such as Law of Sines and Cosines will be introduced. Students will then begin analytic geometry and calculus concepts such as limits, derivatives, and integrals. This class is important for any student planning to take a college algebra or college pre-calculus class.
<i>Textbooks:</i>	Holt Precalculus: A Graphing Approach Copyright 2006
<i>Materials:</i>	Student textbook Practice and enrichment worksheets Manipulative materials Dry Erase Boards Graph paper Calculators Graphing Calculator (Provided by the school)
<i>Time Allotment:</i>	52 minutes per day, 3 days a week 48 minutes per day, 2 days a week
<i>Course Content:</i>	<ul style="list-style-type: none"> ● Number Patterns ● Equations and Inequalities ● Functions and Graphs ● Polynomial and Rational Functions ● Exponential and Logarithmic Functions ● Trigonometry ● Trigonometric Graphs ● Solving Trigonometric Equations ● Trigonometric Identities and Proofs ● Trigonometric Applications ● Analytic Geometry ● Systems and Matrices ● Statistics and Probability ● Limits and Continuity
<i>Areas to be evaluated:</i>	Class participation Homework assignments Quizzes Tests Bellwork Projects
<i>Additional activities:</i>	Guest Speakers Potential Math Competitions