

MATH COURSE DESCRIPTIONS

COURSE NAME	Middle School Math	INSTRUCTOR	Traci Cleveland
GRADE LEVEL	6-8	CREDIT VALUE	N/A
COURSE DESCRIPTION	Concepts in this course include, but are not limited to: whole numbers, decimals, integers, fractions, square roots, exponents, algebraic expressions, equations, inequalities, percentages, functions, measurements and geometry		
TEXT:	Fundamentals of Math, BJU Press		

COURSE NAME	Pre-Algebra	INSTRUCTOR	Traci Cleveland
GRADE LEVEL	7-9	CREDIT VALUE	N/A
COURSE DESCRIPTION	This course will build concepts needed for Algebra 1. Concepts in this course will include, but are not limited to: operations with integers, fractions, decimals, percents, and radicals; solving relations and functions using equations, tables and graphs; exploring statistics and geometry.		
TEXT:	Pre-Algebra, BJU Press		

COURSE NAME	Algebra 1	INSTRUCTOR	Traci Cleveland
GRADE LEVEL	9-12	CREDIT VALUE	1.0
COURSE DESCRIPTION	This course will cover concepts associated with a beginning study of Algebra concepts and techniques.		
TEXT:	<u>Elementary Algebra</u> , Kauffman & Schwitters, 9E		
PREREQUISITE:	Pre-Algebra		
REQUIRED MATERIALS:	Required Online Homework: Internet access and WebAssign online homework tool access purchase (around \$22.00) are required for this course. The class key will be provided on the first day of class.		

COURSE NAME	Algebra 2 (with Trig)	INSTRUCTOR	Traci Cleveland
GRADE LEVEL	9-12	CREDIT VALUE	1.0
COURSE DESCRIPTION	This course will continue the study of concepts and techniques begun in Algebra 1. Concepts will be expanded, layered, advanced, and new concepts introduced.		
TEXT:	<u>Intermediate Algebra</u> , Kauffman & Schwitters, 9E		
PREREQUISITE:	Algebra 1		
REQUIRED MATERIALS:	Required Online Homework: Internet access and WebAssign online homework tool access purchase (around \$22.00) are required for this course. The class key will be provided on the first day of class.		

COURSE NAME	Geometry	INSTRUCTOR	Traci Cleveland
GRADE LEVEL	9-12	CREDIT VALUE	1.0
COURSE DESCRIPTION	This course will cover the concepts and study of geometry from points, lines, and planes, through circles and polygons, and all the way to formal proofs.		
TEXT:	<u>Discovering Geometry</u> , teacher provided worksheets and handouts		
PREREQUISITE:	Algebra 1		
REQUIRED MATERIALS:	Binder, loose leaf paper, basic protractor, compass and straight-edge set, calculator, pencil (no pen)		

COURSE NAME	Pre-Calculus	INSTRUCTOR	Traci Cleveland
GRADE LEVEL	11-12	CREDIT VALUE	1.0
COURSE DESCRIPTION	This course will cover advanced algebra techniques and trigonometry needed for the path to Calculus. Topics will include a study of functions, polynomial graphing techniques, rational functions, exponentials and logarithms, trigonometric functions and identities and applications of trig from both a triangle and circle perspective.		
TEXT:	<u>Pre-Calculus A Teaching Textbook</u>		
PREREQUISITE:	Algebra 2		
REQUIRED MATERIALS:	Graphing Calculator (TI-83 Plus or TI-84 Plus preferred), 3 ring binder, dividers, loose leaf paper		

COURSE NAME	Consumer Math	INSTRUCTOR	Cindy Gilbert
GRADE LEVEL	9-12	CREDIT VALUE	1.0
COURSE DESCRIPTION	<p>This course is designed to prepare students for making financial decisions about</p> <ul style="list-style-type: none"> • credit cards, taxes, interest, and personal banking • costs of transportation food, clothing, utilities, and insurance • filling out income tax forms • how to be a good steward of the Lord's money 		
TEXT:	<u>Consumer Math for Christian Schools</u> , BJU Press		
REQUIRED MATERIALS:	3 Ring Binder, Pencils, Basic calculator		