



## Grade Level Introduction: Middle School Math 2019-2020

### Teacher Contact Information

#### Mrs. Patricia Cossette

(Course 1, Pre-Algebra, Algebra, Geometry)

B.A. from Arizona State University

M.A. from University of Arizona

ASCI certified

AZ Certification in MS Mathematics

Have taught at CCS for 10 years, taught MS

Math for 5 years

Email: [patty@casaschristianschool.com](mailto:patty@casaschristianschool.com)

Classroom voicemail: 878-1313

Parent Appointments: Please contact me to schedule an appointment.

#### Mrs. Robin Garcia

(Math 7, Pre-Algebra, Advanced Pre-Algebra)

B.A. in elementary education from Northern Arizona University.

AZ Certification

First year teaching at CCS, taught first grade for 5 years, 6<sup>th</sup> for one year, 4<sup>th</sup> grade for one year.

Email: [robing@casaschristianschool.com](mailto:robing@casaschristianschool.com)

Classroom voicemail: 878-1307

### Grade Level Description

**Course 1:** Open to 6<sup>th</sup> grade students. This course builds the foundation for the rest of the math classes listed. It covers whole numbers, algebra, statistics, decimals, fractions, ratios and proportion, measurement, and geometry.

**Pre-Algebra:** Open to 7<sup>th</sup> grade students and accelerated 6<sup>th</sup> grade students. This course builds on the Course 1 curriculum and takes it a step further towards Algebra. It covers tools of algebra, operations with integers and rational numbers, expressions and equations, multi-step equations and inequalities, ratio, proportion, similar figures, percent, linear functions and graphing, distance, angle, measurement, right triangles, surface and volume, and statistics and probability.

**Algebra:** Open to 8<sup>th</sup> grade students and accelerated 7<sup>th</sup> grade students. This course covers linear equations and linear functions, linear inequalities and systems of linear equations and inequalities; exponents and exponential functions; quadratic expressions, equations and functions; radical functions and geometry, radical functions and equations.

**Geometry:** Open to accelerated 8<sup>th</sup> grade students. This course covers linear and angle measure, inductive and deductive reasoning, parallel and perpendicular lines, transversals, proofs, congruent triangles, triangle inequality, quadrilaterals, proportions and similarity, right triangles, sine and cosine, transformations, circles, area, surface area and volume.

### Grade Level Resources

**Course 1:** Glencoe Mathematics: Applications and Concepts, Course 1

**Pre-Algebra:** Glencoe Pre-Algebra

**Algebra:** Glencoe Algebra 1

**Geometry:** Glencoe Geometry

### Special Events & Field Trips

Eligible students compete in the Association of Christian Schools International Math Olympics Competition.

### Grade Level Weighting

Tests/Projects	50%
Quizzes	30%
Homework	20%

### MS Report Card Weighting

<u>Subject</u>	<u>Weight</u>
Bible	1.0
Math	1.0
Language Arts	1.0
Science	1.0
History	1.0
PE	0.6
Health	0.4
Discovery Classes	0.4