



## Grade Level Introduction: Middle School Math 2018-2019

### Teacher Contact Information

**Mrs. Melissa Odell**

(Course 1, Pre-Algebra, Geometry)

B.A. from Concordia University

AZ Teacher Certification K-8

Have been in the education field since 2003 and have taught Middle School Math since 2017

Email: [MelissaO@CasasChristianSchool.com](mailto:MelissaO@CasasChristianSchool.com)

Parent Appointments: Please contact me to schedule an appointment

### 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

Subject	Weight
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