

## MODESTO CITY SCHOOLS COURSE OUTLINE

<b>Course Title</b>	Mathematics – Gr 6 OLL
<b>Course Number</b>	OLL (S1) OLL (S2)
<b>Recommended Grade</b>	<input type="checkbox"/> K <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> 6
<b>Duration</b>	<input type="checkbox"/> Quarter <input checked="" type="checkbox"/> Semester
<b>Credit</b>	<input type="checkbox"/> 2.5 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 10
<b>Repeatable for Credit</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Required for Graduation</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Meets Graduation Requirement</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>CALPADS Course Number</b>	9240
<b>CALPADS Course Name</b>	Math (Departmentalized K-8)
<b>Meets UC/CSU Requirements</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, which area? <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G N/A
<b>CTE Course</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>CTE Course Level</b>	<input type="checkbox"/> Introduction <input type="checkbox"/> Concentrator <input type="checkbox"/> Capstone N/A
<b>Part of a Course Pathway</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, which pathway?
<b>Credential Requirements</b>	
<b>Replaces</b>	N/A
<b>Recommended Prerequisites</b>	
<b>Aligned to Standards Date</b>	
<b>Content Delivery Method</b>	<input type="checkbox"/> Instructor Led <input checked="" type="checkbox"/> Online Provider Modesto Virtual Academy
<b>Other Information</b>	
<b>Board Approval Date</b>	
<b>Implementation Date</b>	Fall 2020

**Course Description:**

**Required Text(s):** (Title, Publisher, Year):

**Supplementary Materials(s):**

**Course Name:** Middle School Grade 6 Mathematics v14

**Course Credit:** 1.0

**Estimated Completion Time:** 2 Semesters / 32-36 Weeks

**Course Description:** The course is designed to engage students at every turn. Students have the opportunity to demonstrate their knowledge of number manipulation by applying it to real world scenarios. The course is packed with games that reinforce content and let students practice the skills they have learned throughout the course. Tidbits of trivia and activities throughout the course leave students with a smile.

**Discussion-Based Assessments:** 1.09, 2.10, 3.12, 4.07, 5.09, 6.11, 7.13, 8.08

**Collaboration Activities:** 1.07, 3.06, 6.07, 7.08

**Honors Lessons:** Honors lessons are titled as “Advanced” in this course. They are located at 2.08A, 2.12A, 3.07A, 3.08A, 3.09A, 3.10A, 3.14A, 4.05A, 4.19A, 6.08A, 6.09A, 6.13A, 7.09A, 7.10A, 7.11A, 7.15A

**Course Profile:**

Honors Assessments	11
Automated Quizzes	86
Project-Based Assessments	4
Labs	N/A
Writing Assignments	N/A
Graded Assessments	120
Non-Graded Assessments	145

**Types of Assessments:**

Multiple Choice	X	Essay	X
Worksheets		Collaborative	X
Web 2.0		Short Response	X
Project – Based	X	Labs	
Self - Check	X	Discussion-Based Assessments	X

## Scope and Sequence:

### Module 1: Decimals and Fractions

- Adding and Subtracting Decimals
- Multiplying Decimals
- Division
- Division of Fractions
- Division with Mixed Numbers
- Unit Cubes and Volume

### Module 2: Ratios and Rate Reasoning

- Understanding a Ratio
- The Unit Rate
- Equivalent Ratios
- Percentages
- Measurements
- Unit Conversions
- Complex Unit Rates

### Module 3: Rational Numbers

- GCF and LCM
- Positive and Negative Numbers
- The Number Line
- Ordering of Numbers
- The Absolute Value
- Adding and Subtracting Rational Numbers
- Multiplying Rational Numbers
- Dividing Rational Numbers

### Module 4: The Coordinate Plane

- Ordered Pairs
- Plotting on the Coordinate Plane
- Ratios and the Coordinate Plane
- Applications with Coordinates
- Characteristics of a Proportion

### Module 5: Area

- Area of Triangles
- Area of Quadrilaterals
- Area of Polygons
- Shapes on the Coordinate Plane
- Surface Area of Prisms
- Surface Area of Pyramids

### Module 6: Expressions

- Numerical Expressions
- Algebraic Expressions
- Parts of an Expression
- Evaluating Algebraic Expressions
- Algebraic Properties
- Equivalent Expressions
- Properties of Operations
- Rewriting Expressions

### Module 7: Equations

- Solutions to Equations and Inequalities
- Applications with Expressions
- Solving Equations I
- Solving Equations II
- Inequalities
- Dependent and Independent Variables
- Analyzing Relationships
- Equations for Proportional Relationships
- Applications with Ratios
- Applications with Percentages

### Module 8: Understanding Data

- Statistical Questioning
- Measurements of Data
- Dot Plots and Histograms
- Box Plots
- Summarizing Data
- Data with Outliers