

MODESTO CITY SCHOOLS COURSE OUTLINE

Course Title	Pre-Algebra JH OLL
Course Number	OLL (S1) OLL (S2)
Recommended Grade	<input type="checkbox"/> 7 <input checked="" type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12
Duration	<input type="checkbox"/> Quarter <input checked="" type="checkbox"/> Semester
Credit	<input type="checkbox"/> 2.5 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 10
Repeatable for Credit	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Required for Graduation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meets Graduation Requirement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CALPADS Course Number	9240
CALPADS Course Name	Math (Departmentalized K-8)
Meets UC/CSU Requirements	<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
CTE Course	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
CTE Course Level	<input type="checkbox"/> Introduction <input type="checkbox"/> Concentrator <input type="checkbox"/> Capstone N/A
Part of a Course Pathway	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, which pathway?
Credential Requirements	
Replaces	N/A
Recommended Prerequisites	N/A
Aligned to Standards Date	
Content Delivery Method	<input type="checkbox"/> Instructor Led <input checked="" type="checkbox"/> Online Provider Modesto Virtual Academy
Other Information	
Board Approval Date	
Implementation Date	Fall 2020

Course Description:

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

Supplementary Materials(s):



Course Name: Pre-Algebra v16.2

Course Credit: 1.0

Course Estimated Completion Time: 2 segments/32-36 weeks

Course Description: Students who love interactive learning will enjoy Pre-Algebra. They experience intrigue and fun when they log in to Pre-Algebra. This hands-on course is full of slideshows, applications, videos, and real-world scenarios. The satisfaction students gain from truly understanding higher level concepts such as functions and systems of equations encourages excitement and joy for learning that they may have never experienced before.

Prerequisites: Recommended for 8th grade

Honors Lessons:

Course Profile (Includes Honors, if applicable)

Type of Assessment	Quantity	Location(s)
Teacher-graded	5	01.07, 03.02, 04.02, 06.02, 07.06
Auto-graded	65	
Partial Auto-graded	16	Mid-Module Checks, Module Tests Part 2
Discussion-Based (DBA)	8	One per module
Collaboration	5	
Project-based	5	Product Choice--Individual or Collaboration: 01.07, 03.02, 04.02, 06.02, 07.06
Total Assessments	86	

Types of Assessments (Includes Honors, if applicable)

Type of Assessment	Available	Type of Assessment	Available
Multiple Choice	Yes	Essay	Yes
Worksheets	No	Collaborative	Yes
Web 2.0	No	Short Response	Yes
Project - Based	Yes	Labs	No
Self - Check	Yes	DBAs	Yes

Scope and Sequence

Module One: Real Numbers and Exponents

- The Number Line
- Exponent Rules
- Square and Cube Roots
- Scientific Notation
- Operations with Scientific Notation

Module Two: Geometric Transformations

- Translations
- Reflections and Rotations
- Congruent Figures
- Similar Figures
- Transversals
- Triangles Angles

Module Three: Geometric Relationships

- The Pythagorean Theorem
- Pythagorean Theorem Applications
- The Pythagorean Theorem on the Coordinate Plane
- Volume

Module Four: Functions

- Introduction to Functions
- Comparing Functions
- The Linear Function
- Graphs of Functions

Module Five: Linear Relationships

- Graphs of Proportional Relationships
- Slope-Intercept Form
- Constructing Linear Functions
- Interpreting Linear Models
- Applications of Linear Functions

Module Six: Patterns of Association

- Scatter Plots
- Line of Best Fit
- Interpreting Lines of Best Fit
- Frequency Tables

Module Seven: Linear Equations

- Algebraic Properties and One-Step Equations
- Two-Step Equations
- Solving Linear Equations
- Equations with Variables on Both Sides
- Equations with Rational Coefficients

Module Eight: Linear Systems

- Systems of Equations
- Solve by Graphing
- Solve by Substitution
- Solve by Elimination
- Applications of Systems