

MODESTO CITY SCHOOLS COURSE OUTLINE

Course Title	Geometry OLL S1 Geometry OLL S2
Course Number	OLL30151 OLL30152
Recommended Grade	<input type="checkbox"/> 7 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 9 <input checked="" type="checkbox"/> 10 <input checked="" type="checkbox"/> 11 <input checked="" 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	9255
CALPADS Course Name	Geometry
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
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: Geometry v16

Course Credit: 1.0

Estimated Completion Time: 2 Semesters / 32-36 Weeks

Course Description: Geometry is everywhere, not just in pyramids. Engineers use geometry to build highways and bridges. Artists use geometry to create perspective in their paintings, and mapmakers help travelers find things using the points located on a geometric grid. Throughout this course, students travel a mathematical highway illuminated by spatial relationships, reasoning, connections, and problem solving.

Discussion-Based Assessments: 1.09, 2.08, 3.08, 4.07, 5.06, 6.07, 7.07, 8.08, 9.07

Collaboration Activities: 1.07, 2.06, 8.06, 9.04

Honors Lessons: 5.04 and 9.05

Course Profile:

Honors Assessments	2
Automated Quizzes	58
Project-Based Assessments	6 (includes 2 Honors Projects)
Labs	N/A
Writing Assignments	25
Graded Assessments	86
Non-Graded Assessments	100

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:

Segment 1

Module 1

- Points, lines, and planes
- Constructions of segments, angles, lines, inscribed triangles, squares, and hexagons
- Introduction to Proofs

Module 2

- Translations
- Reflections
- Rotations
- Rigid Motions and Congruence

Module 3

- Line and Angle Proofs
- Triangle Proofs
- Parallelogram Proofs

Module 4

- Dilations
- Similar Polygons
- Similar Triangles

Module 5

- Triangle Congruence and Similarity
- Application of Congruence and Similarity
- Honors Extension Activity

Segment 2

Module 6

- Using the Coordinates
- Slope
- Coordinate Applications

Module 7

- Solving Right Triangles
- Trigonometric Ratios
- Applying Trigonometric Ratios

Module 8

- Formulas
- Applications of Volume
- Density
- 3-D Figures

Module 9

- Properties of Circles
- Inscribed and Circumscribed Circles
- Applications of Circles