Geometry
Marina Morgan
marinam@school-one.org

For all of human history, explorers have needed to know where they had been and to determine accurately where they were going, and builders and creators have needed to know how to plan and create precise shapes and figures for their works. Geometry grew out of these needs. Artists, architects, builders, inventors, engineers, surveyors and planners all use geometry in their work. Geometry is the result of humankind's attempts to understand space, shape and dimensions. We will spend the year studying both the practical and theoretical sides of geometry.

Trimester 1

Unit 1 - Geometry Basics

Trimester 2

After learning geometry basics in trimester 1, trimester 2 will begin with angles, their relationships, algebra applications, and how to construct them. We will then move onto unit 2 of the curriculum: logic and proof. Students will use inductive reasoning, conjectures, and truth tables to prove statements. Once students have learned logic and proof, they will apply these methods to previously learned geometry basics, such as segments and angles.

Unit 2 - Logic and Proof
Unit 3 - Parallel and Perpendicular Lines
Unit 4 - Congruent Triangles
Unit 5 - Triangle Relationships
Unit 6 - Similar Triangles

Trimester 3

Unit 8 - Polygons and Quadrilaterals
Unit 9 - Transformations
Unit 10 - Circles

D Period

Week 1		
Date	Lesson	Due
8/31	Points, Lines, Planes	
9/2	Segments	HW 1
Week 2		

9/9	Homework 2 Review, Quiz 1	HW 2
Week 3		
9/14	Quiz Review, Distance and Midpoint Formulas	
Week 4		
9/21	More Distance and Midpoint Formula Practice	HW 3
9/23	Quiz 1-2.1	
Week 5		
9/28	Partitioning Segments	
9/30	Partitioning Segments	HW 4 (front page)
Week 6		
10/5	Partitioning Segments	HW 4 (both pages)
10/7	Quiz 1-2	
Week 7		
10/14	Angles	
Week 8		
10/19	Angles	HW 5 (front page)
10/21	Angle Relationships	HW 5
Week 9		
10/26	Angle Relationships	HW 6
10/28		
Week 10		
11/2	Quiz 1-3	
11/4	Unit 1 Test Study Guide	
Week 11		
11/9	Unit 1 Test Study Guide	

E Period

Week 1		
Date	Lesson	Due
9/1	Points, Lines, Planes	
9/3	Segments	HW 1
Week 2		
9/8	Homework 2 Review, Quiz 1	HW 2
9/10	Quiz Review, Distance and Midpoint Formulas	
Week 3		
9/15	More Distance and Midpoint Formula Practice	HW 3
9/17	Quiz 1-2.1	
Week 4		
9/22	Partitioning Segments	
9/24	More Partitioning Segment examples	HW 4 (front)
Week 5		
9/29	Partitioning Segments	HW 4 (packet)
10/1	Quiz 1-2.2	
Week 6		
10/6	Angles	
10/8	Angles	
Week 7		
10/13	Angle Relationships	HW 5
10/15	Angle Relationships (algebra practice)	
Week 8		
10/20	Angles	HW 6

10/22	Quiz 1-3	
Week 9		
10/27	Unit 1 Test Study Guide	
10/29	Unit 1 Test Study Guide	
Week 10		
11/3	Unit 1 Test Study Guide	
11/5	Unit 1 Test Study Guide	
Week 11		
11/10	Unit 1 Test	