

**GEOMETRY**

1-1 Nets & Drawing for Visualizing Geometry  
1-2 Points, Lines & Planes  
1-3 Measuring Segments  
1-4 Measuring Angles  
1-5 Angle Pairs  
1-6 Basic Construction  
1-7 Midpoints, Distance in Coordinate Plane  
1-8 Perimeter, Circumference, Area  
2-1 Patterns & Inductive Reasoning  
2-2 Conditional Statements  
2-3 Biconditionals & Definitions  
2-4 Deductive Reasoning  
2-5 Reasoning in Algebra & Geometry  
2-6 Proving Angle Congruence  
3-1 Lines & Angles  
3-2 Parallel Lines Properties  
3-3 Proving Parallel Lines-  
3-4 Parallel & Perpendicular Lines  
3-5 Parallel Lines & Triangles  
3-6 Constructing Parallel & Perpendicular Lines  
3-7 Equations of Lines in Coordinate Planes  
3-8 Slopes of Parallel & Perpendicular Lines  
4-1 Congruent Figures  
4-2 Triangle Congruence by SSS & SAS  
4-3 Triangle Congruence by ASA & AAS  
4-4 Corresponding Parts of Congruent Triangles  
4-5 Isosceles & Equilateral Triangles  
4-6 Congruence in Right Triangles  
4-7 Congruence in Overlapping Triangles  
5-1 Midsegments of Right Triangles  
5-2 Perpendicular & Angle Bisectors  
5-3 Bisectors in Triangles  
5-4 Medians & Altitudes of Triangles  
5-5 Indirect Proof  
5-6 Inequalities in One Triangle  
5-7 Inequalities in Two Triangles  
6-1 Polygon Angle Sum Theorem  
6-2 Properties of Parallelogram  
6-3 Prove Quadrilateral is Parallelogram  
6-4 Rhombus, Rectangle, Square Properties  
6-5 Rhombus, Rectangle, Square Conditions  
6-6 Trapezoids & Kite  
6-7 Polygons in the Coordinate Planes  
6-8 Applying Coordinate Geometry  
6-9 Proofs Using Coordinate Geometry

**CCSF INSTRUCTOR: GRACE G IMSON**

7-1 Ratios & Proportions  
7-2 Similar Polygons  
7-3 Proving Triangles Similar  
7-4 Similarity in Right Triangles  
7-5 Proportions in Right Triangles  
8-1 Pythagorean Theorem & Its Converse  
8-2 Special Right Triangles  
8-3 Trigonometry  
8-4 Angles of Elevations & Depressions  
8-5 Law of Sine  
8-6 Law of Cosine  
9-1 Translation  
9-2 Reflections  
9-3 Rotations  
9-4 Compositions of Isometries  
9-5 Congruence Transformations  
9-6 Dilations  
9-7 Similarity Transformations  
10-1 Areas of Parallelograms & Triangles  
10-2 Areas of Trapezoids, Rhombus, Kites  
10-3 Areas of Regular Polygons  
10-4 Perimeters & Areas of Similar Figures  
10-5 Trigonometry and Area  
10-6 Circles & Arcs  
10-7 Areas of Circles & Sectors  
10-8 Geometry Probability  
11-1 Space Figures & Cross Sections  
11-2 Surface Areas of Prisms & Cylinders  
11-3 Surface Areas of Pyramids & Cones  
11-4 Volumes of Prisms & Cylinders  
11-5 Volumes of Pyramids & Cones  
11-6 Surface Area & Volume of Sphere  
11-7 Area & Volume of Similar Solids  
12-1 Tangent Lines  
12-2 Chords & Arcs  
12-3 Inscribed Angles  
12-4 Angle Measures & Segment Lengths  
12-5 Circles in the Coordinate Planes  
12-6 Locus: A set of Point  
13-1 Experimental & Theoretical Probability  
13-2 Probability Distribution & Frequency Table  
13-3 Permutation & Combination  
13-4 Compound Probability  
13-5 Probability Models  
13-6 Conditional Probability Formulas  
13-7 Modeling Randomness