



**Course Title:** Geometry Applied

**Content Area:** Mathematics

**Grade Level:** 10-12

## Scope and Sequence

Grade Level: 9-12			Content Area: Math			
Unit or Topic	Standards	Length of Time	Key Content	Assessment Tools	Scaffolding Strategies (Interventions, Special Education)	Resources & Materials
Points, Lines, Planes, and Angles	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5 CC.2.3.HS.A.6 CC.2.3.HS.A.7	2 weeks	Section 1: Points, Lines, and Planes Section 2: Segments, Rays, and Distance Section 3: Angles Section 4: Postulates and Theorems	Teacher created assessments	Students are allowed to make test corrections. Assessments will be modified in line with IEP's.	All content is gathered from various online or hard-copy courses. Posted in Google Classroom.
Deductive Reasoning	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5 CC.2.3.HS.A.6 CC.2.3.HS.A.7	2.5 weeks	Section 1: Conditional Statements Section 2: Algebra Properties Section 3: Midpoint and Angle Bisector Theorems Section 4: Special Pairs of Angles Section 5: Perpendicular Lines Section 6: Beginning Proofs	Teacher created assessments	Students are allowed to make test corrections. Assessments will be modified in line with IEP's. Calculators.	All content is gathered from various online or hard-copy courses. Posted in Google Classroom.
Parallel Lines	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5	2.5 weeks	Section 1: Parallel and Skew Lines Section 2: Properties of Parallel Lines	Teacher created assessments	Students are allowed to make test corrections. Assessments will be	All content is gathered from various online or hard-copy courses.



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	CC.2.3.HS.A.6 CC.2.3.HS.A.7		Section 3: Proving Lines Parallel Section 4: Triangles Section 5: Polygons Section 6: Inductive Reasoning		modified in line with IEP's. Calculators.	Posted in Google Classroom.
Congruent Triangles	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5 CC.2.3.HS.A.6 CC.2.3.HS.A.7	4 weeks	Section 1: Congruent Figures CPCTC Section 2: SSS, SAS, ASA with proofs Section 3: Using Congruent Triangles Proofs Section 4: Isosceles Triangle Theorem and Proofs Section 5: AAS and HL Theorems in Proofs Section 7: Medians, Altitude, and Perpendicular Bisectors	Teacher created assessments	Students are allowed to make test corrections. Assessments will be modified in line with IEP's. Calculators.	All content is gathered from various online or hard-copy courses. Posted in Google Classroom.
Quadrilaterals	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5 CC.2.3.HS.A.6 CC.2.3.HS.A.7	2 weeks	Section 1: Properties of Parallelograms Section 2: Prove Quadrilaterals are Parallelograms Section 3: Parallel Line Theorems Section 4: Special Parallelograms Section 5: Trapezoids	Teacher created assessments	Students are allowed to make test corrections. Assessments will be modified in line with IEP's. Calculators.	All content is gathered from various online or hard-copy courses. Posted in Google Classroom.



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Inequalities	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5 CC.2.3.HS.A.6	1 weeks	Section 1: Inequalities Section 4: Inequalities in One Triangle	Teacher created assessments	Students are allowed to make test corrections. Assessments will be modified in line with IEP's. Calculators.	All content is gathered from various online or hard-copy courses. Posted in Google Classroom.
Similar Polygons	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5 CC.2.3.HS.A.6 CC.2.3.HS.A.7	2 weeks	Section 1: Ratio and Proportions Section 3: Scale Factors – Similar Polygons Section 4: AA Similarity Postulate Section 5: SAS and SSS Similarity Theorems Section 6: Parallel Line Corollary	Teacher created assessments	Students are allowed to make test corrections. Assessments will be modified in line with IEP's. Calculators.	All content is gathered from various online or hard-copy courses. Posted in Google Classroom.
Right Triangles	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5 CC.2.3.HS.A.6 CC.2.3.HS.A.7	3 weeks	Radical Review Section 2: Pythagorean Theorem Section 3: Converse of Pythagorean Theorem Section 4: Special Right Triangles Section 5: Tangent Ratio Section 6: Sine and Cosine Section 7: Applications of Right Trigonometry	Teacher created assessments	Students are allowed to make test corrections. Assessments will be modified in line with IEP's. Calculators.	All content is gathered from various online or hard-copy courses. Posted in Google Classroom.
Coordinate Geometry	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5	2 weeks	Section 1: Distance Section 5: Midpoint Section 2: Slope Section 3: Parallel & Perpendicular Lines	Teacher created assessments	Students are allowed to make test corrections. Assessments will be	All content is gathered from various online or hard-copy courses.



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	CC.2.3.HS.A.6				modified in line with IEP's.	Posted in Google Classroom.
Areas of Plane Figures	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5 CC.2.3.HS.A.6 CC.2.3.HS.A.7	2 weeks	Section 1: Rectangle and Squares Section 2: Area of a Parallelograms and Triangles Section 3: Area of Trapezoids Section 5: Area and Circumference of Circles Section 6: Area of Sectors	Teacher created assessments	Students are allowed to make test corrections. Assessments will be modified in line with IEP's. Calculators.	All content is gathered from various online or hard-copy courses. Posted in Google Classroom.
Surface Area and Volumes of Solids	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5 CC.2.3.HS.A.6 CC.2.3.HS.A.7	2 weeks	Section 1: Surface Area of Prisms Section 2: Surface Area of Pyramids Section 3: Surface Area of Cylinders and Cones Section 4: Surface Area of Spheres Section 5: Volume Prisms, Pyramids, Cylinders, Cones, and Spheres	Teacher created assessments	Students are allowed to make test corrections. Assessments will be modified in line with IEP's. Calculators.	All content is gathered from various online or hard-copy courses. Posted in Google Classroom.
Circles	CC.2.3.HS.A.1 CC.2.3.HS.A.2 CC.2.3.HS.A.3 CC.2.3.HS.A.4 CC.2.3.HS.A.5 CC.2.3.HS.A.6 CC.2.3.HS.A.7	3 weeks	Section 1: Basic Terms Section 2: Tangent Lines Section 3: Arcs and Central Angles Section 4: Arcs and Chords Section 5: Inscribed Angles	Teacher created assessments	Students are allowed to make test corrections. Assessments will be modified in line with IEP's. Calculators.	All content is gathered from various online or hard-copy courses. Posted in Google Classroom.



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			Section 6: Other Angles Section 8: Big Circles			