Informal Geometry Scope and Sequence

Section 1: Introduction to Geometry – Points, Lines, and Planes

	Topic	1: B	asics	of	Geometry	/ – Part 1
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- Topic 2: Basics of Geometry Part 2
- Topic 3: Midpoint and Distance in the Coordinate Plane Part 1
- Topic 4: Midpoint and Distance in the Coordinate Plane Part 2
- Topic 5: Partitioning a Line Segment Part 1
- Topic 6: Partitioning a Line Segment Part 2
- Topic 7: Parallel and Perpendicular Lines Part 1
- Topic 8: Parallel and Perpendicular Lines Part 2

Section 2: Introduction to Geometry – Basic Transformations

- Topic 1: Introduction to Transformations
- Topic 2: Examining and Using Translations
- Topic 3: Examining and Using Dilations Part 1
- Topic 4: Examining and Using Dilations Part 2
- Topic 5: Examining and Using Rotations
- Topic 6: Examining and Using Reflections

Section 3: Angles

- Topic 1: Introduction to Angles Part 1
- Topic 2: Introduction to Angles Part 2
- Topic 3: Special Types of Angle Pairs Formed by Transversals and Non-Parallel Lines
- Topic 4: Special Types of Angle Pairs Formed by Transversals and Parallel Lines Part 1
- Topic 5: Special Types of Angle Pairs Formed by Transversals and Parallel Lines Part 2
- Topic 6: Perpendicular Transversals
- Topic 7: Angle-Preserving Transformations

Section 4: Introduction to Polygons – Part 1

- Topic 1: Introduction to Polygons Part 1
- Topic 2: Introduction to Polygons Part 2
- Topic 3: Angles of Polygons
- Topic 4: Translation of Polygons
- Topic 5: Reflections of Polygons
- Topic 6: Rotations of Polygons Part 1
- Topic 7: Rotations of Polygons Part 2

Topic 8: Dilation of Polygons

Section 5: Introduction to Polygons – Part 2

- Topic 1: Compositions of Transformations of Polygons Part 1
- Topic 2: Compositions of Transformations of Polygons Part 2
- Topic 3: Symmetries of Regular Polygons
- Topic 4: Congruence and Similarity of Polygons Part 1
- Topic 5: Congruence and Similarity of Polygons Part 2

Section 6: Triangles

- Topic 1: Introduction to Triangles Part 1
- Topic 2: Area and Perimeter on the Coordinate Plane Part 1
- Topic 3: Area and Perimeter on the Coordinate Plane Part 2
- Topic 4: Triangle Congruence SSS and SAS Part 1
- Topic 5: Triangle Congruence SSS and SAS Part 2
- Topic 6: Triangle Congruence ASA and AAS Part 1
- Topic 7: Triangle Congruence ASA and AAS Part 2
- Topic 8: Using Triangle Congruency to Find Missing Variables
- Topic 9: Triangle Similarity Part 1
- Topic 10: Triangle Similarity Part 2

Section 7: Quadrilaterals – Part 1

- Topic 1: Introduction to Quadrilaterals Part 1
- Topic 2: Introduction to Quadrilaterals Part 2
- Topic 3: Introduction to Quadrilaterals Part 3
- Topic 4: Parallelograms Part 1
- Topic 5: Parallelograms Part 2
- Topic 6: Rectangles and Squares Part 1
- Topic 7: Rectangles and Squares Part 2

Section 8: Quadrilaterals – Part 2

- Topic 1: Rhombi
- Topic 2: Kites
- Topic 3: Trapezoids
- Topic 4: Midsegment of Trapezoids
- Topic 5: Quadrilaterals in Coordinate Geometry Part 1
- Topic 6: Quadrilaterals in Coordinate Geometry Part 2

Section 9: Properties of Other Polygons

Topic 1: Introduction to Other Polygons – Part 1
Topic 2: Introduction to Other Polygons – Part 2
Topic 3: Angles of Other Polygons - Part 1
Topic 4: Angles of Other Polygons – Part 2
Topic 5: Segments in Regular Polygons
Topic 6: Area of Polygons
Topic 7: Coordinate Geometry – Part 1
Topic 8: Coordinate Geometry – Part 2
Section 10: Circles – Part 1
Topic 1: Circumference of a Circle
Topic 2: Arcs and Circumference of a Circle
Topic 3: Area of a Circle
Topic 4: Sectors of a Circle
Topic 5: Circles in the Coordinate Plane: Standard Form
Topic 6: Circles in the Coordinate Plane: General Form
Topic 7: Circle Transformations
Topic 8: Radians and Degrees
Section 11: Circles – Part 2
Topic 1: Tangent Lines, Secants and Chords – Part 1
Topic 2: Tangent Lines, Secants and Chords – Part 2
Topic 3: Circumscribed Angles and Beyond – Part 1
Topic 4: Circumscribed Angles and Beyond – Part 2
Section 12: Three-Dimensional Geometry
Topic 1: Geometry Nets and Three-Dimensional Figures
Topic 2: Volume of Prisms and Cylinders
Topic 3: Surface Area of Prisms and Cylinders
Topic 4: Volume of Pyramids and Cones
Topic 5: Surface Area of Pyramids and Cones
Topic 6: Spheres
Topic 7: Areas in Real-World Contexts

Topic 8: Volume in Real-World Contexts

Topic 9: Density

Topic 10: Similar Shapes