# Unit Pacing Guide: Geometry H 

Content Area: Math<br>Course(s): Geometry H<br>Time Period: Length: Status:<br>180 Days<br>Published

# Belleville Public Schools Geometry H Pacing Guide 

## Content Area: Math

Course(s): Geometry H
Time Period: September - June

Division of Units / Topics:

| Proofs and Lines |  |
| :--- | :--- |
| Points, lines, planes, angles, midpoint,distance, angle measures, angle relationships, two |  |
| dimensional figures - Chap 1-(Unit 1) |  |
| Conditional Statements 2.3-(Unit 1) |  |
| Algebraic Proofs 2.6-(Unit 1) |  |
| Segment Proofs 2.7 -(Unit 1) |  |


| Angle Proofs 2.8 -(Unit 1) |  |
| :---: | :---: |
| Parallel Lines and Transversals 3.1 -(Unit 1) |  |
| Angles and Parallel Lines 3.2 -(Unit 1) |  |
| Proving Lines Parallel 3.5 -(Unit 1) |  |
| Benchmark 1 |  |
| Triangles \& Translations |  |
| - 4-1: Classifying Triangles - (Unit 2) <br> - 4-2: Angles of Triangles - (Unit 2) <br> - 4-3: Congruent Triangles - (Unit 2) <br> - 4-4: Proving Triangles Congruent-SSS, SAS - (Unit 2) <br> - 4-5: Proving Triangles Congruent-ASA, AAS - (Unit 2) <br> - 4-6: Isosceles and Equilateral Triangles - (Unit 2) <br> - 4-8: Triangles and Coordinate Proof - (Unit 2) <br> - 9.1 Reflections - (Unit 3) <br> - 9-2: Translations - (Unit 3) <br> - 9-3: Rotations - (Unit 3) <br> - 9-4: Compositions of Transformations - (Unit 3) <br> - 9-5: Symmetry - (Unit 3) <br> - 9-6: Dilations - (Unit 3) <br> - Benchmark2 |  |
| Trigonometry |  |
| - 8-1: Geometric Mean - (Unit 3) <br> - 8-2: The Pythagorean Theorem and Its Converse - (Unit 3) <br> - 8-3: Special Right Triangles - (Unit 3) <br> - 8-4: Trigonometry - (Unit 3) <br> - 8-5: Angles of Elevation and Depression - (Unit 3) <br> - 8-6: The Law of Sines and Law of Cosines - (Unit 3) <br> - 8-7: Vectors - (Unit 3) <br> - Benchmark 3 |  |

## Circles, Area \& Volume

- 10-1: Circles and Circumference - (Unit 4)
- 10-8: Equations of Circles - (Unit 4)
- 10-2: Measuring Angles and Arcs - (Unit 4)
- 10-3: Arcs and Chords - (Unit 4)
- 10-4: Inscribed Angles - (Unit 4)
- 10-5: Tangents - (Unit 4)
- 10-6: Secants, Tangents, and Angle Measures - (Unit 4)
- 10-7: Special Segments in a Circle - (Unit 4)
- 11-1: Areas of Parallelograms and Triangle - (Unit 4)
- 11-2: Areas of Trapezoids, Rhombi, and Kites - (Unit 4)
- 11-3: Areas of Circles and Sectors - (Unit 4)
- Chap 12 Area and Volume - (Unit 4)
- Chapter 6 Properties of Quadrilaterals and Parallelograms - (Unit 2)
- Chap 7 Similar polygons, similar triangles - (Unit 3)
- Chap 5 Medians, altitudes, angle bisectors - (Unit 2)

