CONNEAUT AREA SCHOOL DISTRICT MATHEMATICS—Module 6		
UNIT OF STUDY: Geometry	**COURSE/GRADE:** Grade 7	**# WEEKS:** 30 days

Focus (emphasis) Standards/EC	**Technology/manipulatives**
CC.2.3.7.A.2 Visualize and represent geometric figures and describe the relationships between them… **M07.C-G.1.1.1** Solve problems involving scale drawings of geometric figures, including finding length and area. **M07.C-G.1.1.2** Identify or describe the properties of all types of triangles based on angle and side measures. **M07.C-G.1.1.3** Use and apply the triangle inequality theorem. **M07.C-G.1.1.4** Describe the two-dimensional figures that result from slicing three-dimensional figures. Example: Describe plane sections of right rectangular prisms and right rectangular pyramids. **CC.2.3.7.A.1** Solve real-world and mathematical problems involving angle measure, area, surface area, circumference, and volume… **M07.C-G.2.1.1** Identify and use properties of supplementary, complementary, and adjacent angles in a multistep problem to write and solve simple equations for an unknown angle in a figure. **M07.C-G.2.1.2** Identify and use properties of angles formed when two parallel lines are cut by a transversal (e.g., angles may include alternate interior, alternate exterior, vertical, corresponding). M07.C-G.2.2.1 Find the area and circumference of a circle. Solve problems involving area and circumference of a circle(s). Formulas will be provided. M07.C-G.2.2.2 Solve real-world and mathematical problems involving area, volume,	Calculators, Smartboard, Study Island, rulers, white boards, highlighters, colored pencils, solid figures, nets, geoboards

and surface area of two and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms. Formulas will be provided.	
Important (reinforced) Standards/EC	**Reading, writing, speaking strategies** Journaling, read aloud, persuasive/informational/expository writing, graphic organizers, Frayer model, lecture, cooperative learning, board work, demonstration, Think-Pair-Share, note-taking, crossword puzzles
Vocabulary Acute angle/triangle, adjacent angles, base, complementary angels, cone, congruent, congruent segments, coplanar, cross section, cylinder, diagonal, edge, equilateral triangle, face, isosceles triangle, obtuse angle/triangle, plane, polyhedron, prism, pyramid, right angle/triangle, scale, scale drawing, scale factor, scale model, scalene triangle, skew lines, straight angle, supplementary angles, triangle, vertex, vertical angles, transversal, alternate interior, alternate exterior, center, circle, circumference, composite figure, diameter, lateral face, lateral surface area, pi, radius, regular pyramid, semi-circle, slant height, surface area, volume	**Questioning and discussion techniques** Bellringers, Exit tickets, discovery, small/large groups, peer tutoring, games, homework review, dry erase boards, flashcards
Real life application Construction, architecture, graphic design	**Performance assessment** Test, Quiz, Performance Task, Homework, Projects, Notebooks, Study Island
Computation	**Accommodations/adaptations**

Operations involving real numbers	Differentiation strategies, small group instruction, cooperative learning, guided practice, peer tutoring, limited problems/choices, manipulatives and models, clarity checks, diagrams and graphs
SAS Module Resources www.pdesas.org: *Grade 7 Mathematics Assessment Anchors and Eligible Content *Mathematics Glossary *PA Core Mathematics, Grades PreK-12 *PA Standards Instructional Frameworks: Math (Go to Teacher Tools then Curriculum Mapping) *Math Cluster Matrix – Tri-folds 6-7-8	