Unit 10 Area & Perimeter

Content Area: **Special Education**
Course(s):
Time Period: **September**
Length: **6 weeks**
Status: **Published**

Enduring Understandings

eometric relationships provide a means to make sense of a variety of phenomena.

Everyday objects have a variety of attributes, each of which can be measured in many ways.

What we measure affects how we measure it.

Essential Questions

How can we solve real-world problems involving area and perimeter?

How can spatial relationships including shape and dimension, be used to represent real life scenarios?

Content

Vocabulary

Perimeter

Area

Triangle

Quadrilateral

Circle

Pythagorean Theorem

Skills

Use a ruler to measure objects.

Determine appropriate tools for measuring a variety of objects.

Find estimated and exact area of triangles, quadrilaterals, circles, irregular and shaded figures.

Use the Pythagorean Theorem to find side lengths of right triangles to find the perimeter of the triangle.

Resources

Standards

CCSS: Mathematics

CCSS: Grade 6

Geometry

6.G.A. Solve real-world and mathematical problems involving area, surface area, and volume.

6.G.A.1. Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

CCSS: Grade 8

Geometry

8.G.B. Understand and apply the Pythagorean Theorem.

8.G.B.7. Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.

MA.6.G	Geometry
MA.6.G.A	Solve real-world and mathematical problems involving area, surface area, and volume.