

Teacher / Team Name: Geometry Regular

Topic: Unit 10: Measuring Length and Area (REG)

Days: 12

Subject(s): Math

Grade(s): 9th, 10th, 11th, 12th

Key Learning: Formulas for area of figures will be derived and applied to solve problems.



Unit Essential Question(s): How are the formulas for area of figures derived and applied to solve problems?

<p>Concept: Area of Polygons</p>	<p>Concept: Circumference and Area of Circles and Sectors</p>	<p>Concept: Area of Similar Figures</p>
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<p>Lesson Essential Question(s): What are the similarities and differences between the formulas for areas of polygons? (A)</p> <p>How do you use the area formulas to find the areas of polygons? (A)</p>	<p>Lesson Essential Question(s): How are the circumferences and areas of circles determined? (A)</p> <p>How is determining the area of a sector an extension of the area formula? (A)</p>	<p>Lesson Essential Question(s): How is the ratio of the areas of two similar polygons related to the ratio of corresponding sides? (A)</p>
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<p>Vocabulary: base, height, center of a regular polygon, radius of a regular polygon, apothem, central angles, composite figures</p>	<p>Vocabulary: sectors of a circle, segment of a circle</p>	<p>Vocabulary:</p>
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Additional Information:
Sections: 11.1, 11.2, 11.3, 11.4, 11.5, 11.6

Attached Document(s):

Teacher / Team Name: Geometry Regular

Vocab Report for Topic: Unit 10: Measuring Length and Area (REG)

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Concept: Area of Polygons

- base -
- height -
- center of a regular polygon -
- radius of a regular polygon -
- apothem -
- central angles -
- composite figures -

Concept: Circumference and Area of Circles and Sectors

- sectors of a circle -
- segment of a circle -