

**MOBILE COUNTY PUBLIC SCHOOLS -- TEACHING, LEARNING, & ASSESSMENT
INSTRUCTIONAL PLANNING GUIDE**

Mathematics 8 2019-2020

Weeks	Resource Materials <i>Website Lesson/Activities</i>	Standards/Objectives Third Quarter	Dates	
			Taught	Tested
Week 1 – 3 Jan. 7 – Jan. 24	<u>Ready Unit 4</u> Unit 4 Opener <i>Ready (Lesson 18)</i> <i>Ready (Lesson 19)</i> <i>Ready (Lesson 20)</i>	<p align="center"><u>Unit 4 Geometry</u></p> <p>16. Verify experimentally the properties of rotations, reflections, and translations. [8.G.1] a) Lines are taken to lines, and line segments are taken to line segments of the same length. [8. G.1a] b) Angles are taken to angles of the same measure. [8.G.1b] c) Parallel lines are taken to parallel lines. [8.G.1c]</p> <p>17. Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them. [8.G.2]</p> <p>18. Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. [8.G.3]</p> <p>19. Understand that two-dimensional figures is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them. [8.G.4]</p> <p align="center"><u>Homework: Glencoe Mathematics</u> Sections: 6.1 - 6.4, Ch. 6 PS Investigation, 7.1 - 7.4, 7.7</p>		
Weeks 4 – 5 Jan.27 – Feb. 7	<i>Ready (Lesson 21)</i> <i>Ready (Lesson 22)</i>	<p>20. Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles. [8.G.5]</p> <p align="center"><u>Homework: Glencoe Mathematics</u> Sections: 5.1, 5.3 IQL, 5.3, 5.4, Ch. 5 PS Investigation, Ch. 7 PS Investigation, 7.5</p>		

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Weeks 6-7 Feb. 10 - Feb. 21	<i>Ready</i> (Lesson 23) <i>Ready</i> (Lesson 24)	<p align="center"><u>Unit 4</u> <u>Geometry</u></p> 21. Explain a proof of the Pythagorean Theorem and its converse. [8-G6] 22. Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.[8-G7] <p align="center"><u>Homework: Glencoe Mathematics</u> Sections: 5.2, 5.5, 5.6, 5.7</p>		
Weeks 8 – 9 Mar. 2 - Mar. 12		<p align="center">ACAP Preparation and Practice Online Tools</p> <p align="center">EQT Testing End of Quarter 3</p>		