



**Vision** - St. Louis Public Schools is the district of choice for families in the St. Louis region that provides a world-class education and is nationally recognized as a leader in student achievement and teacher quality.

**Mission** - We will provide a quality education for all students and enable them to realize their full intellectual potential.

## AESM @ L'Ouverture – Weekly Virtual Learning Planner

<b>Teacher</b>	Mr. Linker	<b>Grade</b>	8th	<b>Subject</b>	Math
<b>Week of</b>	09.28.20 - 10.02.20	<b>Topic/Title</b>	2.4 - Rotations 2.5 - Similar Figures 2.6 - Perimeters & Areas of Similar Figures		

Lesson/Topic	Lesson Target/Objective	Teacher Led Live Instruction	Independent/Small Group Student Work	Assessment/Performance Task	Due Date
<b>Lesson 1</b> 09.28.20	I will be able to tell if a transformation is a rotation or not. I will be able to identify the 4 quadrants of a coordinate plane. I will be able to rotate a figure 90, 180, or 270 degrees in a coordinate plane clockwise or counterclockwise.	Showing students what a rotation is. Showing the difference between clockwise and counterclockwise. Identifying the 4 quadrants of a graph. Showing students where a figure will end up if it is rotated 90, 180, or 270 degrees clockwise or counterclockwise.	BigIdeasMath.com assignment over identifying quadrants of a graph and identifying different transformations ( <i>translations, reflections, and rotations</i> )	Exit Ticket - 2 question exit ticket over rotations, quadrants, and angle of rotations	09.28.20
<b>Lesson 2</b> 09.29.20	I will be able to rotate a figure 90, 180, or 270 degrees in a coordinate plane clockwise or counterclockwise, and find the coordinates of the image.	Examples of how to rotate a figure on a coordinate plane and graphing the image. Then students will find the coordinates of the image.	BigIdeasMath.com assignment over rotating a figure on a coordinate plane, graphing the image, and finding the coordinates of the image	Exit Ticket - 1 question about rotating a figure on a coordinate plane and finding the coordinates of the image	09.29.20
<b>Lesson 3</b> 09.30.20	I will be able to identify if two figures are similar.	Teaching students what similar figures are (two figures that have the same shape but not necessarily the same size). Showing students how to set up proportions using corresponding sides to see if two shapes are similar or not.	BigIdeasMath.com assignment over identifying similar figures by setting up proportions of corresponding sides	Exit Ticket - 2 questions over seeing if two figures are similar or not	09.30.20
<b>Lesson 4</b> 10.01.20	I will be able to use similar figures to find missing side lengths.	Showing students how to solve for a missing side length by setting up and solving a proportion. Students will use equivalent fractions to solve. Students will also solve by re-arranging an equation solving for the variable.	BigIdeasMath.com assignment over finding the missing side lengths of similar figures by setting up and solving proportions	Exit Ticket - 2 questions over solving for the missing side length of similar figures	10.01.20
<b>Lesson 5</b> 10.02.20	I will be able to find the ratio of the perimeters and areas of similar figures.	Teaching students the relationship between the perimeters of two similar figures, and the relationship between the areas of two similar figures. Then students will find the ratios of the perimeters and areas of similar figures.	BigIdeasMath.com assignment over finding the ratio of the perimeters and areas of similar figures	Exit Ticket - 1 question over finding the ratio of the perimeters of two similar figures, and 1 question over finding the ratio of the areas of two similar figures	10.02.20