PORTLAND PUBLIC SCHOOLS

DEPARTMENT OF TALENTED AND GIFTED EDUCATION

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Lesson Plan for ALL

Guiding Questions for the teacher:
1. Is the lesson authentic?
2. Is the lesson relevant to the student?
3. Is the lesson engaging?
4. Is there depth and complexity?
5. Have I planned out activities for different stages of learning?

Subject: Math
Grade: 3rd

Standard/s to be taught: Students describe, analyze, and compare properties of two-dimensional shapes. They compare and classify shapes by their size and angles, and connect these with definitions of shapes. Students also relate their fraction work to geometry by expressing the area of part of the shape as a unit fraction of the whole.

Resources needed: Shapes, construction paper, pencils/markers/crayons, shape templates.

Guiding Questions for the learner:
1. What makes a shape unique?
2. How are shapes like another?
3. How are shapes different from another?
4. Why should we learn about shapes? Is there a purpose?
5. How can we think about fractions and shapes? Why is this important?
6. How do people use shapes in the world?

Scaffolds & Instructional Practice:
(**Based on the stage of student learning, these could be stations and or flexible groups**)

1. Draw and describe shapes using academic vocabulary and own words
2. Draw and compare shapes by their size and angles
3. Classify shapes in any way possible
4. Draw and explain how part of a shape can be a fraction
5. Create a shape that shows one or more other shapes inside it

6. Explore a fraction by thinking about other shapes within the same shape. For example, triangles found in a rectangle.
7. Challenge yourself to find the perimeter and or area of a shape using another shape to do it.