

Mathematics
Unit 4: Geometry and Measurement

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| Essential Understandings | <ul style="list-style-type: none"> ▪ Shapes can be used to describe the physical world. ▪ Different tools are used to measure different things. |
| Essential Questions | <ul style="list-style-type: none"> ▪ What is a shape? ▪ How can one use attributes to recognize and classify shapes? ▪ How can one mark the passage of time? ▪ What is length? ▪ How can one measure length? |
| Essential Knowledge | <ul style="list-style-type: none"> ▪ A shape is a closed figure. ▪ One can use attributes to determine how objects are alike and different. ▪ There are seven days in a week. ▪ The days of the week are Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday. ▪ Yesterday, today, and tomorrow are used to describe the days of the week. ▪ The months of the year are January, February, March, April, May, June, July, August, September, October, November, and December. ▪ Length is the distance between two points. ▪ Length can be measured using standard and non-standard units. |
| Vocabulary | <ul style="list-style-type: none"> ▪ <u>Terms:</u> <ul style="list-style-type: none"> ○ circle, square, rectangle, triangle, oval, two-dimensional, size, shape, yesterday, today, tomorrow, non-standard unit, length, measure, time, temperature, money, height, empty, full, line |
| Essential Skills | <ul style="list-style-type: none"> ▪ Recognize, name, and create circles, squares, rectangles, triangles, and ovals. (I, R, A) ▪ Classify two dimensional geometric figures by color, size and shape. (I, R, A) ▪ Use manipulatives to create shapes using geometric figures to compose and decompose other shapes. (I) ▪ Identify and use the terms yesterday, today, and tomorrow. (I, R) ▪ Name the days of the week in order. (I, R, A) ▪ Name the months of the year in order. (I, R) ▪ Recognize that there are 7 days in a week. (I, R, A) ▪ Identify non-standard units of measure to effectively measure lengths of familiar objects. (I, R, A) ▪ Measure the length of objects using non-standard units. (I, R, A) |

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| <p>Related Maine Learning Results</p> | <p>C. Geometry Geometric Figures C1.Students recognize, classify, and create geometric figures in two and three dimensions.</p> <ul style="list-style-type: none">a. Identify shapes in the physical environment.b. Classify figures as circles, triangles, and quadrilaterals by focusing on their properties.c. Create shapes by using objects to combine and decompose other shapes. <p>B. Data Measurement and Approximation B1.Students understand and use units of time, temperature, and money.</p> <ul style="list-style-type: none">a. Apply and use sequences of hours in a day, days in a week, and months in a year |
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