**North East School Division**

**Unpacking Outcomes**

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| **Harvesting the Outcome** | **BIG IDEAS** |
| **SS3.3 Demonstrate understanding of linear measurement (cm and m) including:*** **selecting and justifying referents**
* **generalizing their relationship between cm and m**
* **estimating length and perimeter using referents**
* **measuring and recording length, width, height, and perimeter**
 | **Measuring up – What do I do?****Does it measure up?** |
| **Outcome** (circle the verb and underline the nouns or noun phrases) |
| **Demonstrate** → understanding of linear measurement (cm and m)**Selecting and justifying** → referents**Generalizing** → relationships between cm and m**Estimating** → length and perimeter**Measuring and recording** → length, width, height, and perimeter |
| **KNOW BEFORE UNIT** | **KNOW AFTER UNIT** | **UNDERSTAND** | **BE ABLE TO DO** |
| - rulers are for measuring length - skip count by 10 | - how to measure perimeter- how to use a ruler- the difference between length, width, height, and perimeter- use referents to estimate- reasons for measuring | - we use measurement in our daily lives- centimeters and meters are related- the relationship between using referents for 10 cm and skip counting by 10s- many different 2-D shapes can be constructed with the same perimeter- perimeter is a linear measurement- the metric system is based on 10s- different units of measurement work better in different situations- referents are important for estimation | - describe how to use a ruler properly- describe relevant situations that involve measuring lengths including perimeter, in cm and m- select and use personal referents for 1 cm, 10 cm, and 1 m- create models to show the relationship between cm and m- create and solve situational questions involving estimating and measuring of length- sketch a line segment of a given length- create a picture of a 3-D shape with a given length and width- construct multiple 2-D shapes for the same perimeter- measure and record the perimeter of regular and irregular 2-D objects including circles and explain strategy used- use personal referents to estimate lengths and perimeters- sort 2-D shapes by their perimeter |
|  Vocabulary:- meter- centimeter- perimeter- length- width | - height- perimeter- line segment- linear measurement- referent |
| **Essential Questions** |
| **When would we use linear measurement in our lives?****What does linear measurement mean?****What is not a linear measurement?****When is estimating okay? When do I need to be precise?****How are cm and m related?****What is perimeter?****How do I know which unit to use?** |