**North East School Division**



**Unpacking Outcomes**

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| **Harvesting the Outcome** | | | **BIG IDEAS** | |
| **Identifying**  **Demonstrate Understanding of Line Symmetry Creating**  **In 2-D shapes Drawing** | | | * **How does shape make you feel?** * **Are shapes real?** * **How does symmetry make you feel?** | |
| **Outcome** (circle the verb and underline the nouns or noun phrases) | | | | |
| **SS4.4 Demonstrate an understanding of line symmetry by indentifying symmetrical 2-D shapes, creating symmetrical 2-D shapes and drawing one or more lines of symmetry in 2-D shapes** | | | | |
| **KNOW BEFORE UNIT** | **KNOW AFTER UNIT** | **UNDERSTAND** | | **BE ABLE TO DO** |
| What are 2-D shapes.  What makes a shape congruent.  What a polygon is. | How to find the L of S.  Characteristics of symmetrical 2-D shapes.  Characteristics of non-symmetrical 2-D shapes.  How to use graph paper to complete a symmetrical shape.  How to use a mira.  How to superimpose shapes. | * Symmetrical shapes are shapes where one half is a mirror image of the other half. * Symmetry is an attribute that can be used to describe 2-D shapes. * We can detect line of symmetry by a variety of methods. * Symmetrical 2-D shapes can have more than one line of symmetry. * A line of symmetry can be horizontal, vertical or diagonal. * A line of symmetry is a line that divides a shape into 2 symmetrical halves. * Symmetry is important because symmetrical shapes are balanced and pleasing to the eye. | | * Identify characteristics of symmetrical and non-symmetrical 2-D shapes. * Sort a set of 2-D shapes as symmetrical and non-symmetrical. * Complete a symmetrical 2-D shape given half the shape and its line of symmetry. * Identify lines of symmetry in a set of 2-D shapes and explain why each shape is symmetrical. * Determine if a 2-D shape is symmetrical by   + using a mira   + folding   + superimposing * Create a symmetrical shape with and without manipulatives. * Provide examples of symmetrical shapes found in the environment and identify the line(s) of symmetry. |
| Vocabulary:   * Miras * Symmetrical * Line of Symmetry * Congruent * Polygon * Attribute * Superimposing | |
| **Essential Questions** | | | | |
| * **What is symmetry?** * **What is a line of symmetry?** * **What makes a shape symmetrical?** * **How can one determine the line(s) of symmetry?** * **Why is symmetry important?** * **What are examples of symmetry in my world?** | | | | |