**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?**
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| **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.
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| Vocabulary:* Miras
* Symmetrical
* Line of Symmetry
* Congruent
* Polygon
* Attribute
* Superimposing
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| **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?**
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