**North East School Division**



**Unpacking Outcomes**

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| **Harvesting the Outcome** | | | **BIG IDEAS** | |
| **SS3.4 Demonstrate understanding of 3-D objects by analyzing characteristics including faces, edges, and vertices.** | | | 3-D **3-D** 3-D  **Objects all around us.** | |
| **Outcome** (circle the verb and underline the nouns or noun phrases) | | | | |
| **Demonstrate** → understanding of 3-D objects  **Analyzing** → faces, edges, and vertices. | | | | |
| **KNOW BEFORE UNIT** | **KNOW AFTER UNIT** | **UNDERSTAND** | | **BE ABLE TO DO** |
| - basic shapes- circle, square, rectangle, triangle | - names and characteristics of 3-D shapes  - what a 2-D shape is  - what a 3-D shape is | - 3-D objects are all around us  - the faces of a 3-D object are always a 2-D shape  - the relationship between a 3-D object and its skeleton  - a vertex is where 3 faces meet  - solids can be sorted by their attributes | | - analyze characteristics of 3-D objects including faces, edges and vertices  - observe and describe 2-D shapes found in 3-D objects  - construct skeletons of 3-D objects  - sort 3-D objects according to the faces, edges, and vertices and explain the sorting rule |
| Vocabulary:  - faces  - edges  - vertices  - pyramids  - cube  - sphere | - prisms  - cones  - cylinders  - 3-D  - skeleton  - geometric solid |
| **Essential Questions** | | | | |
| **Where do we see 3-D objects in real life?**  **How are 2-D and 3-D objects related?**  **How can we sort 3-D objects?** | | | | |