**North East School Division**

**Unpacking Outcomes**

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| **Harvesting the Outcome** | **BIG IDEAS** |
| **P 3.1 Demonstrate understanding of increasing and decreasing patterns including*** **Observing and describing**
* **Extending**
* **Comparing**
* **Creating patterns using manipulatives, pictures, sounds, and actions**
 | **What comes next?**  |
| **Outcome** (circle the verb and underline the nouns or noun phrases) |
| **Demonstrate** → understanding of increasing and decreasing patterns**Observing and describing** → patterns**Extending** → patterns**Comparing** → patterns**Creating** → patterns using manipulatives, pictures, sounds, and actions |
| **KNOW BEFORE UNIT** | **KNOW AFTER UNIT** | **UNDERSTAND** | **BE ABLE TO DO** |
| - skip counting- addition- subtraction | - recognize increasing patterns- recognize decreasing patterns- what a pattern rule is |  - patterns follow rules - patterns can be extended following rules - counting is a pattern - patterns can be represented in many ways - patterns can be created using manipulatives, pictures, sounds, and actions - patterns are all around us - skip counting relates to increasing and decreasing patterns - increasing patterns continue but decreasing patterns end - patterns are significant in many different cultures | - identify patterns relevant to their lives- verify whether a sequence follows a pattern- identify starting values and pattern rules- observe patterns in a hundreds chart- create patterns orally, concretely, pictorially and symbolically when given a pattern rule- explain personal strategies to solve situational problems involving increasing and decreasing patterns- determine missing elements in a pattern- create and describe a pattern in many ways- extend patterns following a rule- compare patterns to find similarities and differences |
|  Vocabulary:- pattern rule- increasing pattern- decreasing pattern- starting value | - sequence- strategy- represent |
| **Essential Questions** |
| **What is a pattern?****Why do we use patterns?****What patterns are relevant in our lives?****How are increasing and decreasing patterns similar and different?****How can we represent a pattern?****What can you use to make a pattern?** |