**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?** | | | | |