**North East School Division**



**Grade 5 P5.1**

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| **Outcome (stated in its entirety) to be unpacked** |
| ***P5.1 Represent, analyze, and apply patterns using mathematical language and notation.[C, CN, PS, R, V]*** |
| **Outcome Unpacked** (circle the verb and underline the Nouns/Qualifiers) |
| **represent patterns****analyze patterns using mathematical language and notation****apply patterns** |
| **KNOW** | **UNDERSTAND** | **BE ABLE TO DO** |
| * What is pattern?
* How do you make a pattern?
* Vocabulary: pattern, increasing pattern, consecutive numbers, variable, expression, solution, analyze, mathematical language, symbolically, concretely, pictorially
 | Students will be able to understand that:* Patterns can be represented in many ways
* Patterns help us solve problems
* There are steps to solving a problem
* That patterns are present in our everyday lives and the environment around us
* Patterns help us make predictions
 | * Describe patterns using mathematical language symbolically, concretely and pictorially
* Describe situations in daily life when patterns emerge
* Identify assumptions made in extending patterns
* Create representations
* Predict subsequent elements in patterns then verify the results and explain reasoning
* Verify whether a particular number belongs in a pattern
* Analyze and solve pattern problems
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| **ESSENTIAL QUESTIONS** |
| * **How do patterns help us solve problems?**
* **What do you think of when I say the word “pattern”?**
* **Where and how do you use patterns in your everyday life?**
* **Big Idea: Why are we learning about patterns again?**
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