**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 |
| **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?** | | |