**North East School Division**



**Unpacking Outcomes**

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| **Harvesting the Outcome** | | | **BIG IDEAS** | |
| **P 3.2 Demonstrate understanding of equality by solving one-step addition and subtraction equations involving symbols representing and unknown quantity.** | | | **Where do we see symbols in math?**  **How can I figure this out?** | |
| **Outcome** (circle the verb and underline the nouns or noun phrases) | | | | |
| **Demonstrate** → understanding of equality  **Solving** → one-step addition and subtraction equations involving an unknown quantity | | | | |
| **KNOW BEFORE UNIT** | **KNOW AFTER UNIT** | **UNDERSTAND** | | **BE ABLE TO DO** |
| - addition  - subtraction  - the relationship between addition and subtraction  - find patterns in numbers | - what an equation is  - how to solve equations  - key words for solving problems | - math uses many symbols  - the purpose of a symbol in an equation  - equations can be solved in many ways  - an unknown in an equation only has one value  - what equality is  - different cultures have different uses and meanings of the word equal | | - use symbols to write equations  - distinguish if two things are equal  - describe relevant situations in which a symbol could represent an unknown quantity  - compare equations  - solve addition and subtraction equations concretely, pictorially and physically  - verify the solutions to an equation and explain your reasoning  - explain personal strategies for solving equations  - create and solve situational equations |
| Vocabulary:  - pattern  - equation  - equal  - symbol | - unknown quantity  - guess and check  - verify |
| **Essential Questions** | | | | |
| **Where do we see symbols in math?**  **What is the purpose of a symbol in an equation?**  **How can equations be solved?**  **What does equal mean?** | | | | |