Unit 4: Polynomials

**Outcome:**

**FP10. 5** Demonstrate understanding of the multiplication and factoring of polynomial expressions (concretely, pictorially, and symbolically) including:

* multiplying of monomials, binomials, and trinomials
* common factors
* trinomial factoring
* relating multiplication and factoring of polynomials.

\*You may choose to create notes as you read the text or fill-in notes as you watch Study Forge. The practice sheets do include notes and step by step processes. Make the Choice that is best for you\*

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| Unit Section Instructions | Instruction Choice | Complete? |
| 1. Common Factors of a Polynomial  Choose an instruction method   * Textbook pages 150-154 * Video: Study Forge Unit 4 Lesson 4, Videos 1 – 3   **Assignments:**   * **Practice Sheet 3.3** * **Choose one of the following**   **i) Text pages 155-156, #6, 7, 10, 14, 16**  **(only use algebra tiles if you want)**  **ii) Study Forge Review, #1, 2, 3, 4, 5** | \_\_\_ Video  \_\_\_ Textbook  \_\_\_ Teacher  \_\_\_ Peer |  |
| 2. Polynomials of the Form x2 + bx + c  Choose an instruction method   * Textbook pages 159 - 165 * Video: Study Forge Unit 4 Lesson 5, Videos 2 and 3   **Assignments:**   * **Practice Sheet 3.5** * **Choose one of the following**   **i) Text pages 166-167, #5, 8, 11, 13, 14,**  **(only use algebra tiles if you want)**  **ii) Study Forge Review, #1, 2, 3, 4, 5** | \_\_\_ Video  \_\_\_ Textbook  \_\_\_ Teacher  \_\_\_ Peer |  |
| 3. Polynomials of the Form ax2 + bx + c  Choose an instruction method   * Internet pages * Go to: mswarnockv.weebly.com – Foundations 10 – Watch the videos on the Box Method and Decomposition   **Assignment – Choose one:**   * **Practice Sheet: Choose the method you like best** * **Choose one of the following:**   **i) Text pages 177 – 178, #9, 13, 15, 18**  **ii) Study Forge Review, #9, 10, 11, 12** | \_\_\_ Video  \_\_\_ Textbook  \_\_\_ Teacher  \_\_\_ Peer |  |
| Unit Section Instructions | Instruction Choice | Complete? |
| 4. Multiplying Polynomials  Choose an instruction method   * Textbook page 182 - 185 * Study Forge Unit 4 Lesson 3, Videos 1 – 3   **Assignments:**   * **Practice Sheet 3.7** * **Choose one of the following:**   **i) Text pages 186-187 #4, 8, 10, 15, 17a**  **ii) Study Forge Review, #1, 2, 4, 5, 32** | \_\_\_ Video  \_\_\_ Textbook  \_\_\_ Teacher  \_\_\_ Peer |  |
| 5. Factoring Special Polynomials  Choose an instruction method   * Textbook pages 188 – 193 * Study Forge Unit 4 Lesson 7, Videos 2 and 3   **Assignments:**   * **Practice Sheet 3.8** * **AND**   **i) Text pages 194-195 #4aceg, 6, 8,bdf, 10aceg, 13ace** | \_\_\_ Video  \_\_\_ Textbook  \_\_\_ Teacher  \_\_\_ Peer |  |
| **Hand in Assignment: 1. Polynomials** |  |  |
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| 6. Unit Test | **Write by Dec 5** |  |