Foundations 30 – Year Plan 2016/2017  
Ms. Vanessa Warnock

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| **Unit/Topic** | **Timeline**  (classes) | **Outcome** | **Evaluation** |
| Unit 1: Investing Money | 11 | **FM30.1** Demonstrate understanding of financial decision making including analysis of:   * renting, leasing, and buying * credit * compound interest * investment portfolios. | Formative:   * Kahoot! Quizzes * Chapter Exit Slips * Unit Practice Quiz   Summative:   * Hand-in Assignment * Weekly Quizzes * Unit Test |
| Unit 2: Borrowing Money | 10 | **FM30.1** Demonstrate understanding of financial decision making including analysis of:   * renting, leasing, and buying * credit * compound interest * investment portfolios. |  |
| Unit 3: Set Theory and Logic | 11 | **FM30.2:** Demonstrate understanding of inductive and deductive reasoning including:   * analysis of conditional statements * analysis of puzzles and games involving numerical and logical reasoning * making and justifying decisions * solving problems.   **FM30.3:** Demonstrate understanding of set theory and its applications. |  |
| Unit 4: Counting Methods | 13 | **FM30.6:** Demonstrate understanding of combinatorics including:   * the fundamental counting principle * permutations (excluding circular permutations) * combinations. |  |
| Unit 5: Probability | 12 | **FM30.4:** Extend understanding of odds and probability.  **FM30.5:** Extend understanding of the probability of two events, including events that are:   * mutually exclusive * non-mutually exclusive * dependent * independent.   **FM30.8:** Research and give a presentation of a current event or an area of interest that requires data collection and analysis. |  |
| Unit 6: Polynomial Functions | 10 | **FM30.7:** Demonstrate understanding of the representation and analysis of data using:   * polynomial functions of degree ≤ 3 * logarithmic functions * exponential functions * sinusoidal functions. |  |
| Unit 7: Exponential and Logarithmic Functions | 10 | **FM30.7:** Demonstrate understanding of the representation and analysis of data using:   * polynomial functions of degree ≤ 3 * logarithmic functions * exponential functions * sinusoidal functions. |  |
| Unit 8: Sinusoidal Functions | 10 | **FM30.7:** Demonstrate understanding of the representation and analysis of data using:   * polynomial functions of degree ≤ 3 * logarithmic functions * exponential functions * sinusoidal functions. |  |
| Final Exam Prep | 5 |  |  |

**Weight of Evaluations:**

Formative – 0%

* Kahoot! Quizzes
* Chapter Work
* Unit Practice Tests

Summative – 100%

* Weekly Quizzes – 10%
* Unit Hand in Assignment – 50%
* Unit Tests – 40%

Final Grade

40% Departmental

60% Course Work