**Suggested Calendar for Spring Semester – College Prep Mathematics**

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| **Week** | **Dates** | **Lesson Covered** | **Section Titles** |
| 1 |  | 5.2, 5.3 | 5.2 – Polynomial Functions and Adding and Subtracting  5.3 – Multiplying Polynomials |
| 2 |  | 5.4, 5.6 | 5.4 – Special Products  5.6 – Dividing Polynomials |
| 3 |  | 5.7 | 5.7 – Synthetic Division and the Remainder Theorem |
| 4 |  | 6.6, 6.7 | 6.6 – Solving Quadratic Equations by Factoring  6.7 – Quadratic Equations and Problem Solving |
| 5 |  | **Review/Exam** |  |
| 6 |  | 7.2, 7.3 | 7.2 – Multiplying and Dividing Rational Expressions  7.3 – Adding and Subtracting Rational Expressions with Common Denominators and Least Common Denominators |
| 7 |  | 7.4, 7.5 | 7.4 – Adding and Subtracting Rational Expressions with Unlike Denominators |
| 8 |  | 7.7, 10.2 | 7.7 – Simplifying Complex Fractions  10.2 – Rational Exponents |
| 9 |  | 10.3, 10.6 | 10.3 – Simplifying Radicals Expressions  10.6 – Radical Equations and Problem Solving |
| 10 |  | **Spring Break** | **Spring Break** |
| 11 |  | 10.4, 10.5 | 10.4 – Adding, Subtracting, and Multiplying Radical Expressions  10.5 – Rationalizing Denominators and Numerators of Radical Expressions |
| 12 |  | **10.7, Review/ Exam** | 10.7 – Complex Numbers |
| 13 |  | 11.1 – 11.2 | 11.1 – Solving Quadratic Equations by Completing the Square  11.2 – Solving Quadratic Equations by the Quadratic Formula |
| 14 |  | 11.3 – 11.4 | 11.3 – Solving Equations by Using Quadratic Methods  11.4 – Nonlinear Inequalities in One Variable |
| 15 |  | 11.5 – 11.6 | 11.5 – Quadratic Functions and Their Graphs  11.6 – Further Graphing of Quadratic Functions |
| 16 |  | **Review and Exam** |  |
| 17 |  | 2.4 -2.5 | 2.4 – An Introduction to Problem Solving  2.5 –Formulas and Problem Solving |
| 18 |  | 2.6 – 2.7 | 2.6 - Percent and Mixture Problem Solving  2.7 – Further Problem Solving |
| 19 |  | 8.2 | 8.2 – Function Notation and Graphing Non Linear Functions |
| 20 |  | Probability | Use counting principles and probability to quantify uncertainly in a variety of real-world contexts. |
| 21 |  | Review |  |
|  |  | **Final Exam Review** |  |
| 22 |  | **Final Week** |  |