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

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| **Week** | **Dates** | **Lesson Covered** | **Section Titles** |
| 1 | Jan 6 –Jan 9 | 5.2, 5.3 | 5.2 – Polynomial Functions and Adding and Subtracting5.3 – Multiplying Polynomials  |
| 2 | Jan 12- Jan 16 | 5.4, 5.6 | 5.4 – Special Products5.6 – Dividing Polynomials |
| 3 | Jan 20 – Jan 23 | 5.7 | 5.7 – Synthetic Division and the Remainder Theorem |
| 4 | Jan 26 – Jan 30 | 6.6, 6.7 | 6.6 – Solving Quadratic Equations by Factoring6.7 – Quadratic Equations and Problem Solving |
| 5 | Feb 2 – Feb 6 | **Review/Exam** |  |
| 6 | Feb 9 – Feb 13 | 7.2, 7.3 | 7.2 – Multiplying and Dividing Rational Expressions7.3 – Adding and Subtracting Rational Expressions with Common Denominators and Least Common Denominators  |
| 7 | Feb 17 – Feb 20 | 7.4, 7.5 | 7.4 – Adding and Subtracting Rational Expressions with Unlike Denominators |
| 8 | Feb 23 – Feb 27 | 7.7, 10.2 | 7.7 – Simplifying Complex Fractions10.2 – Rational Exponents |
| 9 | Mar 2 – Mar 6 | 10.3, 10.6 | 10.3 – Simplifying Radicals Expressions10.6 – Radical Equations and Problem Solving  |
| 10 | Mar 9 – Mar 13 | **Spring Break** |  **Spring Break** |
| 11 | Mar 16- Mar 20 | 10.4, 10.5 | 10.4 – Adding, Subtracting, and Multiplying Radical Expressions10.5 – Rationalizing Denominators and Numerators of Radical Expressions |
| 12 | Mar 23- Mar 27 | **10.7, Review/ Exam** | 10.7 – Complex Numbers |
| 13 | Mar 30 – Apr 2 | 11.1 – 11.2 | 11.1 – Solving Quadratic Equations by Completing the Square11.2 – Solving Quadratic Equations by the Quadratic Formula |
| 14 | Apr 6 – Apr 10 | 11.3 – 11.4 | 11.3 – Solving Equations by Using Quadratic Methods11.4 – Nonlinear Inequalities in One Variable |
| 15 | Apr 13 – Apr 17 | 11.5 – 11.6 | 11.5 – Quadratic Functions and Their Graphs11.6 – Further Graphing of Quadratic Functions |
| 16 | Apr 20 – Apr 24 | **Review and Exam** |  |
| 17 |  Apr 27 – May 1 | 2.4 -2.5 | 2.4 – An Introduction to Problem Solving2.5 –Formulas and Problem Solving |
| 18 | May 4 – May 8 | 2.6 – 2.7 | 2.6 - Percent and Mixture Problem Solving 2.7 – Further Problem Solving |
| 19 | May 11- May 15 | 8.2 | 8.2 – Function Notation and Graphing Non Linear Functions |
| 20 | May 18 – May22 | Probability | Use counting principles and probability to quantify uncertainly in a variety of real-world contexts. |
| 21 | May 26 – May 29 | Review |  |
|  |  | **Final Exam Review** |  |
| 22 | Jun 1 –Jun 9 | **Final Week** |  |