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

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| **Week** | **Dates** | **Lesson Covered** | **Section Titles** |
| 1-3 |  | 1.4, 1.5, 1.6 1.7, 1.8, 5.1, 5.5 | 1.4 – Exponents, Order of Operations, Variable Expressions, and Equations 1.5 - Adding Real Numbers1.6 – Subtracting Real Numbers1.7 – Multiplying and Dividing Real Numbers1.8 – Properties of Real Numbers5.1 - Exponents5.5 – Negative Exponents and Scientific Notation |
| 4 |  | 10.1, 2.6, 12.7 | 10.1 – Radicals and Radical Functions 2.6 – Percent and Mixture Problem Solving12.7 – Common Logarithms, Natural Logarithms, and Change of Base |
| 5 |  | 2.3, 2.8 | 2.3 - Solving Linear Equations2.8 - Solving Linear Inequalities |
| 6 |  | 6.1, 6.2, 6.3, | 6.1 – The Greatest Common Factor and Factoring by Grouping6.2 – Factoring Trinomials of the Form $ax^{2}+bx+c^{2}$6.3 – Factoring Trinomials of the Form $ax^{2}+bx+c^{2}$ and Perfect Square Trinomials |
| 7 |  | 6.4, 6.5 | 6.4 - Factoring Trinomials of the Form $ax^{2}+bx+c^{2}$ by Grouping6.5 – Factoring Binomials |
| 8 |  | 4.1, 4.2, 4.3 | 4.1 – Solving Systems of Linear Equations by Graphing4.2 - Solving Systems of Linear Equations by Substitution4.3 - Solving Systems of Linear Equations by Addition |
| 9 |  | 8.1, 3.4, 3.5 | 8.1 – Graphing and Writing Linear Functions3.4 – Slope and Rate of Change3.5 – Equations of Lines |
| 10 |  | 3.1, 3.2, 3.3 | 3.1 – Reading Graphs and the Rectangular Coordinate System3.2 – Graphing Linear Equations 3.3 – Intercept |
| 11 |  | Online Resource | Apply basic geometric theorems and formulas to rectangles, squares, parallelograms, triangles, trapezoids, circles, and .angles |
| 12 |  | Online Resource | **Geometry** Perimeter and Area of Polygons**Geometry** Volume and Surface Area of Polygons |
| 13 |  | Additional Resources | Understand, interpret, and make decisions based on financial information commonly presented to consumers. |
| 14 |  | Thanksgiving Break |  |
| 15 |  | **Review** |  |
| 16 |  | **Units 1-5 Review** |  |
| 17 |  | **Final Exam Week** |  |