Algebra IIa Content Calendar

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| **UNIT** | **≈ Week** | **TOPICS** | **Textbook Chapter Coverage** |
| **Exponents & Polynomials** | 1-3 | Introductions & Class Information  Interactive Notebook & Note skills  Adding & Subtracting Polynomials  Multiplying Polynomials  Special Products  Polynomials in Several Variables  Dividing Polynomials  Long Division in Polynomials; Synthetic Division  Negative Exponents & Scientific Notation | 5.1  5.2  5.3  5.4  5.5  5.6  5.7 |
| **Factoring Polynomials** | 4-6 | Greatest Common Factor & Factoring by Grouping  Factoring Trinomials (Leading Coefficient = 1)  Factoring Trinomials (Leading Coefficient ≠ 1)  Factoring Special Forms  Solving Quadratic Equations by Factoring | 6.1  6.2  6.3  6.4  6.6 |
| **Rational Expressions** | 7-9 | Rational Expressions & Their Simplification  Multiplying & Dividing Rational Expressions  Adding & Subtracting Rational Expressions  (w/Same Denominator)  Adding & Subtracting Rational Expressions  (w/Different Denominator)  Complex Rational Expressions  Solving Rational Equations  Applications Using Rational Equations & Proportions | 7.1  7.2  7.3  7.4  7.5  7.6  7.7 |
| **Basics of Functions** | 10-12 | Introduction to Functions  Graphs of Functions  The Algebra of Functions  Composite & Inverse Functions | 8.1  8.2  8.3  8.4 |