**Chapter 5 Polynomials and Polynomial Functions**

**Honors Algebra 3-4**

**Unit 5 (4 weeks)**

**Academic Algebra 3-4**

**Unit 4 (3.5 weeks)**

5.1 Polynomial Functions

5.2 Polynomials, Linear Factors, and Zeros

5.3 Solving Polynomial Equations

5.4 Dividing Polynomials

5.5 Theorems About Roots of Polynomial Equations

5.6 The Fundamental Theorem of Algebra

5.7 The Binomial Theorem

5.8 Polynomial Models in the Real World

5.9 Transforming Polynomial Functions