

Algebra Unit 8: Polynomials

Universal Essential Question: Why is resilience an influence on success?

Essential Question: How does imbalance require resilience?

Learning Objectives	Self-Rating, what you understand/don't yet understand and (last column only) how you learned it		
At the completion of this unit, I should ...	0 – I have no idea. 1 – I cannot solve problems yet but I am beginning to understand the strategies 2 – I can solve problems but do not yet know why the math works. 3 – I understand why the math works and can solve most problems but still make mistakes. 4 – I understand why the math works and can consistently and accurately solve problems.		
Know – The definition of a polynomial – Terms used with polynomials – Special binomial product forms – Special factor forms			
Be able to – Determine the degree of a polynomial – Add and subtract polynomials – Multiply polynomials – Factor polynomials – Check that a polynomial is factored completely			
Understand – How factoring and multiplying polynomials are related			

Vocabulary of equations of Polynomials

Monomial

Binomial

Polynomial

Degree of a polynomial

Factors

Products

Sum and difference

Binomial square

GCF

Difference of two squares

Perfect square trinomial

Reflection page

Areas of success for this unit and justification

Areas that need more practice and/or deeper understanding, justification, and specific goals to achieve complete mastery

How does the mathematics we studied in this unit relate to the content and universal essential questions? Be specific by providing evidence from your learning activities for the unit.