Algebra I Honors Unit 10: Polynomials and Factoring

Essential Understandings	 Knowing about polynomials and how to factor them is an important algebraic skill.
9	How do you add and subtract complex polynomials?
Essential	How do you did and subtract complex polynomials?
Questions	
Questions	Tiow do you conto quadratio equations in lactored form.
	How do you factor complex polynomials?
	How do you solve vertical motion models?
	Polynomials can be added and subtracted.
Essential	Polynomials can be multiplied together.
Knowledge	 Quadratic equations in factored form can be solved.
	Factor polynomials has many steps and procedures.
	■ <u>Terms</u> :
Vocabulary	 Monomial, binomial, trinomial, degree, factored form,
	polynomial, zero-product property, factor, FOIL.
	 Factor by grouping, binomial squares, conjugate binomials,
	vertical motion models.
	 Leading coefficients, minimums and maximums to polynomial
	functions, zeros to polynomial functions.
	Add and subtract complex polynomials.
Essential	 Multiply complex polynomials.
Skills	 Know the different methods to factor polynomials.
	 Factor and then solve quadratic equations in factored form.
	 Understand the square of a binomial pattern.
	 Understand the sum and difference pattern.
	 Understand vertical motion models.
	 Graph and interpret polynomial functions, including finding
	minimums, maximums, and zeros, to polynomial functions using
Dalata I	technology.
Related	D. Symbols and Expressions 1abc
Maine Learning	D. Equations and Inequalities 2b
Results	
Sample	Students will orally respond to questions.
Lessons	 Students will utilize worksheets and in their notes to demonstrate
And	individual understanding of the concepts.
Activities	
Sample	Quizzes, take-home worksheets, and tests.
Classroom	
Assessment	
Methods	
Sample	Publications: Algebra 1 Textbook (Larson)
Resources	Other: Graphing calculators.
Technology Link	http://www.brunswick.k12.me.us/curriculum