Mathematics Algebra 1: Academic Unit 1: Connections to Algebra

Essential	 Connecting pre-algebra to algebra is a very important step in learning Algebra. These are essential understandings that are
Understandings	prerequisites to Academic Algebra 1 and students are expected to
- Ciraci Cianiani go	have these skills prior to taking this class.
	How do you evaluate complex expressions and powers?
	What is the order of operations?
	How do you check solutions of equations and inequalities?
Essential	How do you translate words into mathematical symbols?
Questions	How do you model and solve real-life equations?
	 What are the different types of tables and graphs and how do I use
	them?
	What are functions and how do I represent them?
	Which vocabulary terms will help me be successful in the future?
	Expressions and powers can be evaluated.
Essential	 Order of operations need to be performed in a specific sequence.
Knowledge	Equations and inequalities are different but both have solutions.
	 Words can be written as mathematical symbols.
	Models of real-life problems make them easier to solve.
	There are different types of tables and graphs.
	Functions are a large part of Algebra.
Vessbulen	Terms:
Vocabulary	 arithmetic operations (sum, difference, product, & quotient), grouping symbols, order of operations, variable, expression,
	evaluate, equation, solve, inequality, solutions, power, base,
	exponent, factors, terms, substitute, simplify
	Evaluate complex expressions and powers using substitution.
	Correctly follow the order of operations.
Essential	 Check solutions of equations and inequalities.
Skills	 Translate words into mathematical symbols.
	 Model and solving real-life problems.
	 Use tables and graphs to organize data.
	Identify functions.
	<u>Mathematics</u>
	B. Data
Related	Measurement and Approximation
Maine Learning	B1.Students understand the relationship between precision and
Results	accuracy.
	a. Express answers to a reasonable degree of precision in the
	context of a given problem.
Sample	Students will orally respond to questions.
Lessons	Students will utilize worksheets and in their notes to demonstrate in this ideal and least and line and the agent and the
And	individual understanding of the concepts.
Activities	

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Sample	 Quizzes
Classroom	 Take-home worksheets
Assessment	 Tests
Methods	
Sample Resources	 Publications: Algebra 1 - Foerster