

Southern Cayuga Central School District – Curriculum Map

Subject: Pre Algebra

School Year: 2022 - 2023

Title or Topics	Essential Questions & Vocabulary	Content Skills (Activities to cover Essential Questions)	Major Assessments (Tests, Project, etc.)	Time Frame
Expressions/Equations	Exponents Coefficient Constant Term Like terms Distributive property	<ul style="list-style-type: none"> ● Order of Operations ● Algebraic Vocab ● Algebraic Expressions 	Observations Homework Checkpoint quizzes Chapter assessments	1st MP
Slope Intercept of a Line	Relating slope and intercept to real scenarios Slope is a constant Rate of Change that applies to Linear functions	<ul style="list-style-type: none"> ● Introduction to Slope-Intercept ● Graphing points ● Finding slope from 2 points ● Reading slope off of a table ● Changing to slope-intercept ● Graphing Point-Slope ● Graphing using the Calculator ● Finding slope and y-int from 2 points 	Observations Homework Checkpoint quizzes Chapter assessments	2nd MP

Solving Linear Equations and Inequalities	Are addition and subtraction different?	<ul style="list-style-type: none"> ● Additive property of Equality ● Multiplicative Property of Equality ● Distribution 	Observations Homework Checkpoint quizzes Chapter assessments	3rd MP
Functions	What are functions? Can they be non Numerical?	<ul style="list-style-type: none"> ● Domain ● Range ● 1-1 relationships ● graphing functions 	Observations Homework Checkpoint quizzes Chapter assessments	4th MP
Systems of Equations	What is a system? What is a solution?	<ul style="list-style-type: none"> ● Solutions to systems ● Graphing ● Substitution ● Elimination 	Observations Homework Checkpoint quizzes Chapter assessments	5th MP
Polynomial Operations Quadratics	Sum Difference Product Quotient Zero Product Law Quadratic Formula Roots	<ul style="list-style-type: none"> ● all 4 operations with polynomials ● Factoring to solve ● Graphing quadratics ● Using the calculator to solve quadratics 	Observations Homework Checkpoint quizzes Chapter assessments	6th MP