

Southern Cayuga Central School District – Curriculum Map

Subject: _____ Pre -Algebra _____

School Year: ____ 2021-2022 ____

Title or Topics	Essential Questions & Vocabulary	Content Skills (Activities to cover Essential Questions)	Major Assessments (Tests, Project, etc.)	Time Frame
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 (Possibly Projects)	1st 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 (Possibly Projects)	2nd 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 (Possibly Projects)	3rd 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 (Possibly Projects)	4th MP

Polynomials	Coefficients Variables Exponents Like terms	<ul style="list-style-type: none"> • Double Distribution • Factoring 	Observations Homework Checkpoint quizzes Chapter assessments (Possibly Projects)	5th MP
Quadratics	Zero Product Law Quadratic Formula Roots?	<ul style="list-style-type: none"> • Factoring to solve • Graphing quadratics • Using the calculator to solve quadratics 	Observations Homework Checkpoint quizzes Chapter assessments (Possibly Projects)	6th MP