

**Southern Cayuga Central School District – Curriculum Map**

Subject: \_\_\_\_\_ Pre -Algebra \_\_\_\_\_

School Year: \_\_\_\_ 2023-2024 \_\_\_\_

<b>Title or Topics</b>	<b>Essential Questions &amp; Vocabulary</b>	<b>Content Skills (Activities to cover Essential Questions)</b>	<b>Major Assessments (Tests, Project, etc.)</b>	<b>Time Frame</b>
<b>Slope Intercept of a Line</b>	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"><li>• Introduction to Slope-Intercept</li><li>• Graphing points</li><li>• Finding slope from 2 points</li><li>• Reading slope off of a table</li><li>• Changing to slope-intercept</li><li>• Graphing Point-Slope</li><li>• Graphing using the Calculator</li><li>• Finding slope and y-int from 2 points</li></ul>	Observations Homework Checkpoint quizzes Chapter assessments (Possibly Projects)	1st MP
<b>Solving Linear Equations and Inequalities</b>	Are addition and subtraction different?	<ul style="list-style-type: none"><li>• Additive property of Equality</li><li>• Multiplicative Property of Equality</li><li>• Distribution</li></ul>	Observations Homework Checkpoint quizzes Chapter assessments (Possibly Projects)	2nd MP
<b>Functions</b>	What are functions?  Can they be non Numerical?	<ul style="list-style-type: none"><li>• Domain</li><li>• Range</li><li>• 1-1 relationships</li><li>• graphing functions</li></ul>	Observations Homework Checkpoint quizzes Chapter assessments (Possibly Projects)	3rd MP
<b>Systems of Equations</b>	What is a system?  What is a solution?	<ul style="list-style-type: none"><li>• Solutions to systems</li><li>• Graphing</li><li>• Substitution</li><li>• Elimination</li></ul>	Observations Homework Checkpoint quizzes Chapter assessments (Possibly Projects)	4th MP

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