



**CURRICULUM MAP**  
**PRE-ALGEBRA**

WEEK	STANDARDS/ BENCHMARKS/ OBJECTIVES	TOPIC (Lesson Make-up)	MATERIALS/ RESOURCES/ TECHNOLOGY	PROJECTS/ ACTIVITIES/ SUPPLEMENTS	ASSESSMENT
1	<u>Number, Number Sense and Operations</u> <ul style="list-style-type: none"> <li>Apply number system properties when performing computations</li> </ul>	Adding Whole Numbers	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
2	<u>Number, Number Sense and Operations</u> <ul style="list-style-type: none"> <li>Apply number system properties when performing computations</li> </ul>	Subtracting Whole Numbers	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
3	<u>Number, Number Sense and Operations</u> <ul style="list-style-type: none"> <li>Apply number system properties when performing computations</li> </ul>	Estimating Sums and Differences	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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4	<u>Number, Number Sense and Operations</u> <ul style="list-style-type: none"> <li>Apply number system properties when performing computations</li> </ul>	Multiplying Whole Numbers	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
5	<u>Number, Number Sense and Operations</u> <ul style="list-style-type: none"> <li>Apply number system properties when performing computations</li> </ul>	Dividing Whole Numbers	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
6	<u>Number, Number Sense and Operations</u> <ul style="list-style-type: none"> <li>Use a variety of strategies, including proportional reasoning, to estimate, compute, solve and explain solutions to problems involving integers, fractions,</li> </ul>	Estimating Products and Quotients	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	decimals and percents				
7	<u>Patterns, Functions and Algebra</u> <ul style="list-style-type: none"> <li>Use symbolic algebra to represent and explain mathematical relationships</li> </ul>	Variables	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
8	<u>Number, Number Sense and Operations</u> <ul style="list-style-type: none"> <li>Compare, order and determine equivalent forms of real numbers</li> </ul>	Number Notation	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
<b>REVIEW WEEKS ONE – EIGHT (1-8) FOR QUARTERLY ASSESSMENT</b>					



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WEEK	STANDARDS/ BENCHMARKS/ OBJECTIVES	TOPICS (Lesson Make-up)	MATERIALS/ RESOURCES/ TECHNOLOGY	PROJECTS/ ACTIVITIES/ SUPPLEMENTS	ASSESSMENT
10	<p><u>Patterns, Functions and Algebra</u></p> <ul style="list-style-type: none"> <li>• Use algebraic representations, such as tables, graphs, expressions, functions and inequalities, to model and solve problem situations</li> <li>• Solve and graph linear equations and inequalities</li> </ul> <p><u>Number, Number Sense and Operations</u></p> <ul style="list-style-type: none"> <li>• Apply properties of operations and the real number system, and justify when they hold for</li> </ul>	Expressions and Equations	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	a set of numbers				
11	<u>Number, Number Sense and Operations</u> <ul style="list-style-type: none"> <li>Compare, order and determine equivalent forms of real numbers</li> </ul>	Properties	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
12	<u>Patterns, Functions and Algebra</u> <ul style="list-style-type: none"> <li>Solve and graph linear equations and inequalities</li> </ul>	Solving Equations I	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
13	<u>Patterns, Functions and Algebra</u> <ul style="list-style-type: none"> <li>Solve and graph linear equations and inequalities</li> </ul>	Solving Equations II	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
14	<u>Number, Number Sense and Operations</u> <ul style="list-style-type: none"> <li>Use a variety of strategies, including proportional reasoning, to</li> </ul>	Integers	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	estimate, compute, solve and explain solutions to problems involving integers, fractions, decimals and percents				
15	<u>Patterns, Functions and Algebra</u> <ul style="list-style-type: none"> <li>Use formulas in problem-solving situations</li> </ul>	Equations with Integers I	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
16	<u>Patterns, Functions and Algebra</u> <ul style="list-style-type: none"> <li>Use formulas in problem-solving situations</li> </ul>	Equations with Integers II	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
17	<u>Patterns, Functions and Algebra</u> <ul style="list-style-type: none"> <li>Solve and graph linear equations and inequalities</li> </ul>	Inequalities	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
<b>MIDTERM EXAMINATION: REVIEW WEEKS ONE – SEVENTEEN (1 -17)</b>					



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WEEK	STANDARDS/ BENCHMARKS/ OBJECTIVES	TOPICS (Lesson Make-up)	MATERIALS/ RESOURCES/ TECHNOLOGY	PROJECTS/ ACTIVITIES/ SUPPLEMENTS	ASSESSMENT
19	<u>Patterns, Functions and Algebra</u> <ul style="list-style-type: none"> <li>Solve and graph linear equations and inequalities</li> </ul>	Solving Inequalities I	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
20	<u>Patterns, Functions and Algebra</u> <ul style="list-style-type: none"> <li>Solve and graph linear equations and inequalities</li> </ul>	Solving Inequalities II	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
21	<u>Number, Number Sense and Operations</u> <ul style="list-style-type: none"> <li>Estimate, compute and solve problems involving scientific notation, square roots and numbers with integer exponents</li> </ul>	Factors and Exponents	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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22	<u>Number, Number Sense and Operations</u> <ul style="list-style-type: none"> <li>Estimate, compute and solve problems involving rational numbers, including ratio, proportion and percent, and judge the reasonableness of solution</li> </ul>	Rational Numbers	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
23	<u>Patterns, Functions and Algebra</u> <ul style="list-style-type: none"> <li>Solve and graph linear equations and inequalities</li> <li>Represent, analyze and generalize a variety of patterns and functions with tables, graphs, words and symbolic rules</li> </ul>	Equations/Inequalities I	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
	<u>Patterns, Functions and</u>	Equations/Inequalities	AGS	Self Study Guide	Teacher Resource



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24	<u>Algebra</u> <ul style="list-style-type: none"> <li>Solve and graph linear equations and inequalities</li> <li>Represent, analyze and generalize a variety of patterns and functions with tables, graphs, words and symbolic rules</li> </ul>	II	Study Island A+LS Teacher Resource Library(TRL-CD Rom)	(TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Library OGT Review Rubric Portfolio Graphic Organizer
25	<u>Patterns, Functions and Algebra</u> <ul style="list-style-type: none"> <li>Identify and classify functions as linear or nonlinear, and contrast their properties using tables, graphs or equations</li> </ul>	Graphing	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
26	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> <li>Use right triangle trigonometric relationships to determine lengths and angle</li> </ul>	Ratio and Proportion	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	measures				
27	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> <li>Use right triangle trigonometric relationships to determine lengths and angle measures</li> </ul>	Percent	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
28	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> <li>Use right triangle trigonometric relationships to determine lengths and angle measures</li> </ul>	Problem Solving	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)		Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
<b>REVIEW WEEKS NINETEEN – TWENTY-EIGHT (19-28) FOR QUARTERLY ASSESSMENT</b>					



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30	<u>Data Analysis and Probability</u> <ul style="list-style-type: none"> <li>• Create, interpret and use graphical displays and statistical measures to describe data</li> <li>• Use counting techniques such as permutations and combinations, to determine the total number of options and possible outcomes</li> <li>• Compute probabilities of compound events, independent events, and simple dependent events</li> <li>• Make predictions</li> </ul>	Statistics and Graphing	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	based on theoretical probabilities and experimental results				
31	<u>Data Analysis and Probability</u> <ul style="list-style-type: none"> <li>• Create, interpret and use graphical displays and statistical measures to describe data</li> <li>• Use counting techniques such as permutations and combinations, to determine the total number of options and possible outcomes</li> <li>• Compute probabilities of compound events, independent events, and simple dependent events</li> </ul>	Probability	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	<ul style="list-style-type: none"> <li>Make predictions based on theoretical probabilities and experimental results</li> </ul>				
32	<p><u>Measurement</u></p> <ul style="list-style-type: none"> <li>Identify appropriate tools and apply appropriate techniques for measuring angles, perimeter or circumference and area of triangles, quadrilaterals, circles and composite shapes, and surface area and volume of prisms and cylinders</li> </ul>	Algebra with Geometry	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
33	<p><u>Measurement</u></p> <ul style="list-style-type: none"> <li>Identify appropriate tools and apply appropriate techniques for measuring</li> </ul>	Polygons and Circles	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	<p>angles, perimeter or circumference and area of triangles, quadrilaterals, circles and composite shapes, and surface area and volume of prisms and cylinders</p> <p><u>Patterns, Functions and Algebra</u></p> <ul style="list-style-type: none"> <li>• Use symbolic algebra to represent and explain mathematical relationships</li> </ul>				
34	<p><u>Measurement</u></p> <ul style="list-style-type: none"> <li>• Identify appropriate tools and apply appropriate techniques for measuring angles, perimeter or circumference and area of triangles, quadrilaterals,</li> </ul>	Area and Volume	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	circles and composite shapes, and surface area and volume of prisms and cylinders				
35	<u>Measurement</u> <ul style="list-style-type: none"> <li>Use and demonstrate understanding of the properties of triangles</li> </ul>	Special Triangles	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Everyday Algebra Workbook Activity Application Activity	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
<b>REVIEW FOR FINAL EXAMINATION</b>					



VIRTUAL SCHOOLHOUSE

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