

Teacher Name: __Patricia Kozlowski

Grade Level:8

Class: Special Class Math 8

2025-26 GVCS CURRICULUM MAP

Month	Standard/Learning Target	Program Materials/Resources	Vocabulary	Assessment
<i>September</i>	MP.1, MP.4,MP.6, MP.7, 8.EE.7b	eMath Instruction – Unit 1 Topics: *Operations w/Signed Numbers *Variables and Expressions *Combining Like Terms *Solving Two-Step Equations *Solving Equations with Variables on Both Sides *Modeling with Linear Equations *Identities and Inconsistent Equations Supplementary Lessons IXL	Rational, irrational, whole, negative, positive, variable, equation, like terms, combining, expressions, commutative property, associative property, distributive property, equivalent expressions, exponent, binomials, area models	*Exit Tickets *IXL Check=Ins *Mid-Unit Quiz *Unit Test
<i>October</i>	MP.1, MP.4, MP.7, MP.6, 8.EE.7b, 8.G.5, 8.G.1.a, 8.G.1 b, 8.G. 2	Unit 2 – Tools of Geometry *Starting Concepts of Geometry *Angles and their measures *Angle Pairs *Geometric Terminology *Parallel Lines *Geometry with Coordinates *Congruent Figures *Congruent Triangles Supplementary Practice IXL	line, line segment, angle, parallel, perpendicular, congruent, similar – angle sum, supplementary, complementary, exterior angle, transversal, alternate angle, vertical angle, Transformation, rotation, reflection, translation, line, line segment, angle, parallel, congruent, similar – angle sum, exterior angle, transversal – dilations, similar triangles, similar figures	*Exit Tickets *IXL Check=Ins *Mid-Unit Quiz *Unit Test

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<p><i>November/December</i></p> <p><i>*This contains a Priority Standard – 8.G.3</i></p>	<p>MP.1, MP.4, MP.7, 8.G.1.a, 8.G.1.b, 8.G.3, 8.G.1.c, 8.G.5, 8.G.4,8.EE.7.b</p>	<p>Unit 3 – Transformations</p> <ul style="list-style-type: none"> *Introduction to Transformation *Reflections * Horizontal and Vertical Lines in the Coordinate Plane *Reflections in the Coordinate Plane *Rotations *Rotations in the Coordinate Plane *Translations *Translations in the Coordinate Plane *Transformations and Congruent Figures *Rigid Motions and Parallel Lines *Angle Sums in a Triangle *Isosceles Triangles *Using Algebra to Model Geometry <p>Unit 4 – Similarities and Dilations</p> <ul style="list-style-type: none"> *Proportional Variables *Introduction to Dilations *Dilations in the Coordinate Plane *Similar Figures *Mapping Similarity *Similar Triangles and Parallel Lines 	<p>rotation, reflection, translation, line, line segment, angle, parallel, perpendicular, congruent, similar – angle sum, supplementary, complementary, exterior angle, transversal, alternate angle, vertical angle, Transformation, rotation, reflection, translation, line, line segment, angle, parallel, congruent, similar – angle sum, exterior angle, transversal – dilations, similar triangles, similar figure</p>	<ul style="list-style-type: none"> *Exit Tickets *IXL Check=Ins *Mid-Unit Quiz *Unit Test
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<p><i>January</i></p>	<p>MP.1, MP.4, MP.7, 8.EE.5, MP.6, 8.EE.6, 8.G.4, 8.F.4, 8.F.3</p>	<p>Unit 5 – Equation of Lines *Proportional Relationships *Slope and Similarity *Equations of Lines *Slopes and Negative Numbers *Finding Slope *System of Equations *Parallel Lines in the Coordinate Plane Supplementary Practice IXL</p>	<p>Function, input, output, ordered pair, linear, nonlinear – rate of change, initial value, best fit, strength, correlation, proportional relationship, slope, similarity, system, parallel lines, coordinate plane, Equations, solutions, variable, rational, additive property of equality, multiplicative property of equality, consecutive, constant, inequality, truth value, interval notation, modeling, function notation, min, max, piecewise function, VLT increasing, decreasing, turning point, zeroes, domain, range proportional, unit conversions, slope, yintercept, linear function, slope-intercept form, parameters, model, output, input, range, domain, linear relationships, vertical</p>	<p>*Exit Tickets *IXL Check=Ins *Mid-Unit Quiz *Unit Test</p>
<p><i>February</i></p> <p><i>*Contains a Priority Standard 8,F,2</i></p>	<p>MP.1, MP.4, MP.7, 8.F1, 8.f.2, 8.F.3, 8.F.4, 8.F.5, 8.EE.6, 8.SP.1, 8.SP.2, 8.SP.3</p>	<p>Unit 6 – Funcions *Introduction to Functions *Features of Functions *Average Rate of Change *Linear Equations *Non-Linear Equations</p>	<p>Function, input, output, ordered pair, linear, nonlinear – rate of change, initial value, best fit, strength, correlation, proportional relationship, slope, similarity, system,</p>	<p>*Exit Tickets *IXL Check=Ins *Mid-Unit Quiz *Unit Test</p>

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		<p>*Scatter Plots and Lines of Best Fit</p> <p>Supplementary Lessons with IXL</p>	<p>parallel lines, coordinate plane, Equations, solutions, variable, rational, additive property of equality, multiplicative property of equality, consecutive, constant, inequality, truth value, interval notation, modeling, function notation, min, max, piecewise function, VLT increasing, decreasing, turning point, zeroes, domain, range proportional, unit conversions, slope, yintercept, linear function, slope-intercept form, parameters, model, output, input, range, domain, linear relationships, vertical</p>	
<p>March/April</p>	<p>MP.1, MP.4, MP.7, 8.EE.1, 8.NS.2. 8.G.7, 8.G.8, 8.G.6</p>	<p>Unit 7 – Exponents and Roots</p> <p>*Exponents</p> <p>*Simplifying Fractions</p> <p>*Negative and Zero Exponents</p> <p>*Square Roots</p> <p>*Cube Roots</p> <p>Unit 8 – Pythagorean Theorem</p> <p>*Pythagorean Theorem</p> <p>*Applying the PT</p> <p>*Distance in the Coordinate Plane</p>	<p>Triangle, right triangle, angles, acute angle, Pythagorean theorem, roots, perfect squares, perfect cubes, root, cube, radical, cube root, exponent, power, coordinate plane, distance</p> <p>exponent rule, zero exponent, negative exponents, exponential function, base, exponential growth, exponential decay, multiplying factor, grow, decay, percent, constant,</p>	<p>*Exit Tickets</p> <p>*IXL Check=Ins</p> <p>*Mid-Unit Quiz</p> <p>*Unit Test</p>

