

Teacher Name: Smith

Grade Level: High School

Class: Algebra 2

2025-26 GVCS CURRICULUM MAP

Month	Standard/Learning Target	Program Materials/Resources	Vocabulary	Assessment
<i>September</i>		Homegrown Notes and Assignments (Arithmetic Review)	Operations, Sum, Difference, Product, Quotient, Remainder	HW, Quiz
<i>September</i>	All.A.SSE.3a, All-N.RN.1,	Homegrown Notes and Assignments (Algebra 1 review)	Factors, Multiples, Base, Power, Equation, Expression	HW, Quiz
<i>September/October</i>	All-A.REI.11, All-F.IF.3, All-F.IF.4, All-F.IF.7, All-F.BF.1, All-F.BF.4a	Homegrown Notes and Assignments (Functions)	Function, function notation, input, output, composition function, inverse function, even/odd function	HW, Quiz, Unit Test 1
<i>October</i>	All-F.IF.6, All-F.LE.2, All-F.LE.5	Homegrown Notes and Assignments (Linear)	Slope, y-intercept, slope-intercept, point-slope, standard, average rate of change, systems of equations, substitution, elimination	HW, Quiz, Unit Test 2
<i>October/November</i>	All-N.RN.1, All-N.RN.2, All-A.SSE.3c, All-F.IF.8b, All-F.LE.2, All-F.LE.5	Homegrown Notes and Assignments (Exponents and Exponential Functions)	Exponential growth, exponential decay, Euler's number, growth/decay factor	HW, Quiz, Unit Test 3
<i>November</i>	All-F.BF.5a, All-F.LE.4	Homegrown Notes and Assignments (Logarithms)	Argument,	HW, Quiz, Unit Test 4
<i>November/December</i>	All-A.SSE.2, All-A.SSE.3a, All-A.REI.4, All-A.REI.7b	Homegrown Notes and Assignments (Quadratic Functions)	Factoring, Quadratic Formula, Completing the Square, Zero-Product Law, roots. Zeros, minimum/maximum, axis of symmetry	HW, Quiz, Unit Test 5
<i>January</i>	All-N.CN.1, All-N.CN.2, All-A.REI.1b	Homegrown Notes and Assignments (Roots and Imaginary Numbers)	Imaginary number, complex number	HW, Quiz, Unit Test 6
<i>January/February</i>	All-A.SSE.2, All-A.APR.2, All-A.APR.3, All-A.APR.6, All-A.REI. All-A.REI.21b, All-A.REI.2, All-F.IF.7	Homegrown Notes and Assignments (Polynomials)	Polynomial, leading coefficient, degree, constant term	HW, Quiz, Unit Test 7

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<i>February</i>	AII-A.SSE.2, AII-A.REI.1b	Homegrown Notes and Assignments (Rational Expressions and Equations)	Rational equation, rational expression, common denominator	HW, Quiz, Unit Test 8
<i>February/March</i>	AII-F.TF.1, AII-F.TF.2, AII-F.TF.4, AII-F.TF.5, AII-F.TF.8	Homegrown Notes and Assignments (Trigonometry)	Trig functions, hypotenuse, unit circle, coterminal angles, reference angle	HW, Quiz, Unit Test 9
<i>April</i>	AII-S.IC.2, AII-S.CP.1, AII-S.CP.4, AII-S.CP.7	Homegrown Notes and Assignments (Probability)	Independence, conditional probability, mutually exclusive	HW, Quiz, Unit Test 10
<i>April/May</i>	AII-S.ID.4ab, AII-S.ID.6, AII-S.IC.3, AII-S.IC.4, AII-S.IC.6	Homegrown Notes and Assignments (Statistics)	Mean, median, mode, standard deviation, margin of error, exponential regression, correlation, correlation coefficient	HW, Quiz, Unit Test 11
<i>May</i>	AII-F.BF.1b, AII-F.BF.2, AII-F.BF.6, AII-F.BF.7	Homegrown Notes and Assignments (Series and Sequences)	Arithmetic sequence, geometric sequence, series	HW, Quiz, Unit Test 12
<i>June</i>	All Standards	Worksheets made of previous regents' questions		Review Assignments/Quizzes
<i>All Year</i>	Writing	All Homegrown Notes	Students will need to work on writing for any short answer questions. Students will need to be able to not only answer the question but support their solution. In several standards students are expected to explain correct procedures or explain mistakes. Students should be able to correctly identify the difference in the following testing verbs, "state, explain, justify, support, determine and solve algebraically."	All assignments, especially quizzes and unit tests