Course Title: Algebra II
Content Area: Mathematics
Grade Level: 8, 9, 10, 11

Scope and Sequence						
Grade Level: 8-11						
Course Introduction: Algebra II is a continuation of topics from Algebra I, including more complicated equations, non-linear graphing, and algebraic expressions not covered in Algebra I.						
Units of Study	**Standards**	**Length of Time**	**Key Content**	**Assessment Tools**	**Scaffolding Strategies (Interventions, Special Education)**	**Resources & Materials**
Expressions and Equations	CC.2.2.HS.D.1 CC.2.2.HS.D.2 CC.2.2.HS.D.8 CC.2.2.HS.D.9	4 weeks	Order of Operations Combining Like Terms Distributive Property Solving 1 var Equations Solving 1 var Inequalities Compound Inequalities Absolute Value Eq, Ineq	- Teacher created assessments (quizzes/tests) - Blackboard	Students are allowed to retest if needed.	- OneNote - Blackboard - Textbook - Kuta Software
Graphing Linear Functions	CC.2.2.HS.D.7 CC.2.2.HS.D.10 CC.2.2.HS.C.1 CC.2.2.HS.C.2 CC.2.2.HS.C.3	4 weeks	Relations, Functions Coordinate System Slope Graphing Linear Equations Writing Linear Equations Linear Inequalities	- Teacher created assessments (quizzes/tests) - Blackboard	Students are allowed to retest if needed.	- OneNote - Blackboard - Textbook - Kuta Software
Systems of Equations	CC.2.2.HS.D.1 CC.2.2.HS.D.7 CC.2.2.HS.D.8 CC.2.2.HS.D.9 CC.2.2.HS.D.10 CC.2.2.HS.C.3 CC.2.2.HS.C.5	4 weeks	Solving Systems of 2 var-Graphing Systems of 2 var-Substitution Systems of 2 var-Elimination Systems of 3 variables Word Problems with Systems	- Teacher created assessments (quizzes/tests) - Blackboard	Students are allowed to retest if needed.	- OneNote - Blackboard - Textbook - Kuta Software

	CC.2.2.HS.C.6					

Monomial and Polynomial Expressions	CC.2.2.HS.D.1 CC.2.2.HS.D.2 CC.2.2.HS.D.3 CC.2.2.HS.D.4 CC.2.2.HS.D.5	4 weeks	Monomial Exponent Properties Negative Exponents Add, Sub, Mult, and Div Monomials and Polynomials Synthetic Division Factoring	- Teacher created assessments (quizzes/tests) - Blackboard	Students are allowed to retest if needed.	- OneNote - Blackboard - Textbook - Kuta Software
Radical Expressions	CC.2.1.HS.F.1 CC.2.1.HS.F.2 CC.2.1.HS.F.5 CC.2.2.HS.D.1 CC.2.2.HS.D.2	4 weeks	Simplifying Radicals Add, Sub, Mult Radicals Rationalize Denominators Fraction Exponents Radical Equations	- Teacher created assessments (quizzes/tests) - Blackboard	Students are allowed to retest if needed.	- OneNote - Blackboard - Textbook - Kuta Software
Imaginary and Complex Numbers	CC.2.1.HS.F.6 CC.2.2.HS.D.1 CC.2.2.HS.D.2 CC.2.2.HS.D.5	4 weeks	Simplifying Imaginary Numbers Expressions with Complex Nums Add, Sub, and Mult Imaginary and Complex Numbers Rationalize Imaginary and Complex Denominators	- Teacher created assessments (quizzes/tests) - Blackboard	Students are allowed to retest if needed.	- OneNote - Blackboard - Textbook - Kuta Software
Quadratic Equations	CC.2.1.HS.F.5 CC.2.1.HS.F.6 CC.2.1.HS.F.7 CC.2.2.HS.D.3 CC.2.2.HS.D.4 CC.2.2.HS.D.5 CC.2.2.HS.D.7 CC.2.2.HS.D.8 CC.2.2.HS.D.9 CC.2.2.HS.D.10 CC.2.2.HS.C.2 CC.2.2.HS.C.3	4 weeks	Solve Quad Eq by Factoring Solve Quad Eq by Completing the Square Solve Quad Eq by Quadratic Formula The Discriminant Real and Complex Solutions Graphing Quadratic Functions Word Problems	- Teacher created assessments (quizzes/tests) - Blackboard	Students are allowed to retest if needed.	- OneNote - Blackboard - Textbook - Kuta Software

	CC.2.2.HS.C.5					
	CC.2.2.HS.C.6					

Rational Expressions	CC.2.2.HS.D.1 CC.2.2.HS.D.2 CC.2.2.HS.D.3 CC.2.2.HS.D.4 CC.2.2.HS.D.5 CC.2.2.HS.D.6	4 weeks	Restricted Values Simplifying Rational Expressions Mult and Div Rational Expressions Common Denominators Add, Sub Rational Expressions	- Teacher created assessments (quizzes/tests) - Blackboard	Students are allowed to retest if needed.	- OneNote - Blackboard - Textbook - Kuta Software