Cornwall-Lebanon School District Curriculum Overview
Algebra 1- High School

length of time in weeks	Concepts & Competencies	Common Assessments	PA Core Standards
Unit 1 — 7	**Foundations for Algebra** Students will apply the order of operations to simplify expressions. Students will translate verbal expressions into algebraic expressions and apply properties of real numbers to evaluate expression.	➤ Translation Quiz ➤ Order of operations Quiz ➤ Add/Subtract Real Numbers Quiz ➤ Combining Like Terms Quiz ➤ Unit 1 Test	CC.2.1.HS.F.2 CC.2.2.HS.D.1
Unit 2 — 7	**Solving Equations** Students will solve one variable equations. Students will write and solve one variable equations from real life scenarios. Students will solve formulas for one variable.	➤ One step Quiz ➤ Multi-step Quiz ➤ 5 step Quiz ➤ Formula Quiz ➤ Unit 2 Test	CC.2.1.HS.F.2 CC.2.2.HS.D.2 CC.2.2.HS.D.3 CC.2.2.HS.D.8
Unit 3 — 3	**Exponents** Students will apply the rules of integer exponents to simplify expressions.	➤ Positive, negative, and zero exponent Quiz ➤ Multiply and raising exponents Quiz ➤ Dividing with exponents Quiz ➤ Unit 3 Test	CC.2.1.HS.F.1
Unit 4 — 3	**Solving Inequalities** Students will solve and graph one variable inequalities. Students will solve and graph compound inequalities. Students will write and solve one variable inequalities from real life scenarios.	➤ Multi-step Quiz ➤ Compound Inequalities Quiz ➤ Unit 4 test	CC.2.2.HS.D.7
Unit 5 — 2	**Functions** Students will identify domain and range. Students will use function notation, determine if a relation is a function and graph a function rule.	➤ Tables Quiz ➤ Unit 5 Test	CC.2.2.HS.D.7 CC.2.2.HS.D.10 CC.2.2.HS.C.1

Unit 6 [9]	**Linear Functions** Students will determine slope or rate of change graphically and algebraically. Students will write and graph linear equations in slope-intercept form. Students will write and transform linear equations into standard form. Students will write linear equations for real life scenarios. Students will interpret scatterplots and relationship between parallel and perpendicular lines on the coordinate plane.	➢ Slope Quiz ➢ Graphing Quiz ➢ Slope-Intercept Quiz ➢ Standard Form Quiz ➢ Unit 6 Test	CC.2.2.HS.D.6 CC.2.2.HS.D.7 CC.2.2.HS.D.10 CC.2.2.HS.C.2
Unit 7 [3]	**Systems of Equations** Students will solve systems of linear equations through the graphing, the substitution, and the elimination methods.	➢ Graphing Quiz ➢ Substitution Quiz ➢ Elimination Quiz ➢ Unit 7 Test	CC.2.2.HS.D.10