

Curriculum Map - Mathematics - HS Algebra 1 Honors

Textbook Information

Name of Textbook: Algebra

Publisher: Holt

Unit	Content/Skills	Assessments
Trimester 1		
Ch 1 <small>(updated 9/21/23)</small>	Variables and expressions; Adding and subtracting real numbers; Multiplying and dividing real numbers; Powers and exponents; Square roots and real numbers; Order of operations; Simplifying expressions; Perimeter; Intro to functions	Ready to Go On Quiz Chapter Test Vocabulary Quiz
Ch 2 <small>(updated 9/21/23)</small>	Solving equations by adding or subtracting; Area of composite figures; Solving equations by multiplying and dividing; Solve eqations by graphing; Solving two-step and multi-step equations; Solving equations with variables on both sides; Solving for a variable; Rates, rations and proportions; Applications of proportions; Percents; Application of percents; Percent increase and decrease; Solving absolute-value equations	Ready to Go On Quiz Chapter Test Vocabulary Quiz
Ch 3 <small>(updated 9/21/23)</small>	Graphing and writing inequalities; Solving inequalities by adding, subtracting, multiplying, dividing; Solving two-step and multi-step inequalities; Solving inequalities with variables on both sides; Triangle inequality; Solving absolute-value inequalities	Ready to Go On Quiz Chapter Test Vocabulary Quiz Cumulative Test
Ch 4 <small>(updated 9/21/23)</small>	Graphing relationships; Relations and functions; Writing functions; Graphing functions; Scatter plots and trend lines; Median-fit line; Arithmetic sequences	Ready to Go On Quiz Chapter Test Vocabulary Quiz Cumulative Test
Unit	Content/Skills	Assessments
Trimester 2		
Ch 5 <small>(updated 9/21/23)</small>	Identifying linear functions; Using intercepts; Area in the coordinate plane; Rate of change and slope; Slope formula; Direct variation; Slope-intercept form; Point-slope form; Slopes of parallel and perpendicular lines; Transforming linear functions;	Ready to Go On Quiz Chapter Test Vocabulary Quiz Cumulative Test
Ch 6 <small>(updated 9/21/23)</small>	Solving systems by graphing; Solving systems by substitution; Solving systems by Elimination; Solving classic problems; Solving special systems; Solving linear inequalities; Solving systems of linear inequalities	Ready to Go On Quiz Chapter Test Vocabulary Quiz Cumulative Test
Ch 7 <small>(updated 9/21/23)</small>	Integer exponents; Powers of 10 and scientific notation; Multiplication properties of exponents; Division properties of exponents; Polynomials; Adding and subtracting polynomials; Multiplying polynomials; Volume and surface area; Special products of binomials	Ready to Go On Quiz Chapter Test Vocabulary Quiz Cumulative Test
Ch 8 <small>(updated 9/21/23)</small>	Factors and greatest common factor; Factory by GCF; Factoring $x^2 + bx + c$; Factoring $ax^2 + bx + c$; Factoring by special products; Mental math; Choosing a factoring method	Ready to Go On Quiz Chapter Test Vocabulary Quiz Cumulative Test
Unit	Content/Skills	Assessments
Trimester 3		

Curriculum Map - Mathematics - HS Algebra 1 Honors

<p>Ch 9</p> <p><i>(updated 9/24/23)</i></p>	<p>Identifying quadratic functions; axis-of-symmetry; characteristics, graphing, and transforming of quadratic functions; solving quadratic functions using graphing, factoring, square roots, completing the square, and the quadratic formula.</p>	<p>Ready To Go On Quiz Chapter Test Vocabulary Quiz Cumulative Test</p>
<p>Ch 10</p> <p><i>(updated 9/24/23)</i></p>	<p>Data analysis through organizing and displaying data (e.g., histograms, data distributions) and analyzing misleading graphs and statistics; learning about probability including experimental and theoretical probability, independent and dependent events; and combinations and permutations.</p>	
<p>Ch 11</p> <p><i>(updated 9/24/23)</i></p>	<p>Geometric sequences, exponential functions, growth and decay, and linear, quadratic, and exponential models; radical functions and equations including graphing, adding/subtracting/multiplying/dividing radical expressions, and solving radical equations.</p>	<p>Ready To Go On Quiz Chapter Test Vocabulary Quiz Cumulative Test</p>
<p>Ch 12</p>		