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Online Learning for Homeschool and Enrichment

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Languages Arts, Math and more

Multimedia Lessons, Interactive Exercises,

Printable Worksheets and Assessments

Student Paced Learning

It's time for learning. And fun!

Math - Algebra Scope & Sequence

Algebra Tools Tutorial	Tutorial
Algebra: Arithmetic with Letters	To recognize numerical and algebraic ; to understand the use of variables in algebraic expressions; to understand positive and negative integers, opposites, and absolute value; to discover and use rules related to adding, subtracting, multiplying, and dividing integers;to simplify expressions with one or more variables;to read and write exponents;to use formulas with variables.
Rules of Arithmetic	To recognize the commutative property of addition and multiplication; to understand the associative property of addition and multiplication; to understand the distributive property and factoring; to recognize the properties of the numbers 0 and 1; to identify and use powers and roots of numbers; to discover and use the order of operations in making calculations.
Linear Equations with One Variable	To write and solve equations; to use formulas for perimeter and area to solve problems; to use the Pythagorean theorem to solve problems; to graph inequalities on the number line; to solve inequalities.
Applications of Algebra	To write an algebraic equation for a number sentence; to identify formulas to use in specific types of problems; to write problems using

	algebraic formulas; to solve problems by applying algebraic equations.
Exponents of Polynomials	To recognize and use exponents in computations; to identify the benefit of using scientific notation in some calculations; to define, name, and solve polynomials
Factoring	To completely factor integers; to find the greatest common factor of polynomials; to factor trinomials; to factor algebraic expressions; to identify zero as a factor; to use factoring as a means of solving equations.
Midterm	Midterm
Data, Statistics and Probability	To organize data into graphics; to read and interpret graphic representations; to determine range and measures of central tendency; to compute probabilities and complementary events involving statistics.
Fractions and Algebra	Fractions and Algebra
Linear Equations and Inequalities in the Coordinate Plane	Linear Equations and Inequalities in the Coordinate Plane
Systems of Linear Equations	Systems of Linear Equations
Irrational Numbers and Radical Expressions	Irrational Numbers and Radical Expressions
Geometry	Geometry
Final Mastery Test	Final Mastery Test
Quadratic Equations	Quadratic Equations

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