**EdReady Scope *(formerly known as "Assessment")***

**It might be helpful to think of "Scope" as a synonym for "Curriculum" in EdReady.**

| | AE Math 1 | | AE Math 2 | AE Math 3 | AE Math 4 | |
|---|---|---|---|---|---|---|
| **Whole Numbers** | **NRS Level 1** | **NRS Level 2** | **NRS Level 3** | **NRS Level 4** | **NRS Level 5** | **NRS Level 6** |
| **Introduction to Whole Numbers** | | | | | | |
| *Place Value and Names for Whole Numbers* | X | | | | | |
| *Rounding Whole Numbers* | X | | | | | |
| *Comparing Whole Numbers* | X | | | | | |
| **Adding and Subtracting Whole Numbers** | | | | | | |
| *Adding Whole Numbers and Applications* | X | X | | | | |
| *Subtracting Whole Numbers and Applications* | X | X | | | | |
| *Estimation* | X | X | | | | |
| **Multiplying and Dividing Whole Numbers** | | | | | | |
| *Multiplying Whole Numbers and Applications* | X | X | X | | | |
| *Dividing Whole Numbers and Applications* | X | X | X | | | |
| **Properties of Whole Numbers** | | | | | | |
| *Properties of Laws and Whole Numbers* | | X | | | | |
| *The Distributive Property* | | X | X | | X | X |
| **Exponents, Square Roots, and Order of Operations** | | | | | | |
| *Understanding Exponents and Square Roots* | | | X | X | X | X |
| *Order of Operations* | | X | X | X | X | X |
| **Fractions and Mixed Numbers** | | | | | | |
| **Introduction to Fractions and Mixed Numbers** | | | | | | |
| *Introduction to Fractions and Mixed Numbers* | | X | X | X | X | X |
| *Proper and Improper Fractions* | | X | X | X | X | X |
| *Factors and Primes* | | X | X | X | X | X |
| *Simplifying Fractions* | | X | X | X | X | X |
| *Comparing Fractions* | | X | X | X | X | X |
| **Multiplying and Dividing Fractions and Mixed Numbers** | | | | | | |
| *Multiplying Fractions and Mixed Numbers* | | | | X | X | X |
| *Dividing Fractions and Mixed Numbers* | | | | X | X | X |
| **Adding and Subtracting Fractions and Mixed Numbers** | | | | | | |
| *Adding Fractions and Mixed Numbers* | | | | X | X | X |

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| *Subtracting Fractions and Mixed Numbers* | | | | X | X | X |
| **Decimals** | | | | | | |
| **Introduction to Decimals** | | | | | | |
| *Decimals and Fractions* | | | X | | X | X |
| *Ordering and Rounding Decimals* | | | X | | X | X |
| **Decimal Operations** | | | | | | |
| *Adding and Subtracting Decimals* | | | X | | X | X |
| *Multiplying and Dividing Decimals* | | | X | | X | X |
| *Estimation with Decimals* | | | X | | X | X |
| **Ratios, Rates and Proportions** | | | | | | |
| **Ratio and Rates** | | | | | | |
| *Simplifying Ratios and Rates* | | | | X | X | X |
| **Proportions** | | | | | | |
| *Understanding proportions* | | | | X | X | X |
| **Percents** | | | | | | |
| **Introduction to Percents** | | | | | | |
| *Convert Percents, Decimals and Fractions* | | | | X | X | X |
| **Solving Percent Problems** | | | | | | |
| *Solve Percent Problems* | | | | X | X | X |
| **Measurement** | | | | | | |
| **U.S. Customary Units of Measurement** | | | | | | |
| *Length* | | X | X | X | X | X |
| *Weight* | | X | X | X | X | X |
| *Capacity* | | X | X | X | X | X |
| **Metric Units of Measurement** | | | | | | |
| *The Metric System* | | X | X | X | X | X |
| *Converting within the Metric System* | | X | X | X | X | X |
| *Using Metric Conversions to Solve Problems* | | X | X | X | X | X |
| **Temperature** | | | | | | |
| *Temperature Scales* | | X | X | X | X | X |
| **Geometry** | | | | | | |
| **Basic Geometric Concepts and Figures** | | | | | | |
| *Figures in 1 and 2 Dimensions* | X | X | X | X | X | X |
| *Properties of Angles* | | X | X | X | X | X |
| *Triangles* | | | X | X | X | X |
| *The Pythagorean Theorem* | | | X | X | X | X |
| **Perimeter, Circumference, and Area** | | | | | | |
| *Quadrilaterals* | | | X | X | X | X |

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| *Perimeter and Area* | | X | X | X | X | X |
| *Circles* | | | X | X | X | X |
| **Volume of Geometric Solids** | | | | | | |
| *Solids* | | X | X | X | X | X |
| **Concepts in Statistics** | | | | | | |
| **Statistical Graphs and Tables** | | | | | | |
| *Graphing Data* | | Some | X | X | X | X |
| *Other Types of Graphs* | | X | X | X | X | X |
| **Measures of Center** | | | | | | |
| *Measures of Center* | | | X | X | X | X |
| **Graphical Representations** | | | | | | |
| *Use and Misuse of Graphical Representations* | | | | X | X | X |
| **Probability** | | | | | | |
| *Probability* | | | X | X | X | X |
| **Real Numbers** | | | | | | |
| **Introduction to Real Numbers** | | | | | | |
| *Variables and Expressions* | | | | X | X | X |
| *Integers* | | | | X | X | X |
| *Rational and Real Numbers* | | | | X | X | X |
| **Operations with Real Numbers** | | | | | | |
| *Adding Integers* | | | | X | X | X |
| *Adding Real Numbers* | | | | X | X | X |
| *Subtracting Real Numbers* | | | | X | X | X |
| *Multiplying and Dividing Real Numbers* | | | | X | X | X |
| **Properties of Real Numbers** | | | | | | |
| *Associative, Commutative and Distributive Laws* | | | X | X | X | X |
| **Simplifying Expressions** | | | | | | |
| *Order of Operations* | | | X | X | X | X |
| **Solving Equations and Inequalities** | | | | | | |
| **Solving Equations** | | | | | | |
| *Solving One-Step Equations Using Properties of Equality* | | | | X | X | X |
| *Solving Multi-Step Equations* | | | | X | X | X |
| *Special Cases and Applications* | | | | X | X | X |
| *Formulas* | | | | X | X | X |
| **Solving Inequalities** | | | | | | |
| *Solving One-Step Inequalities* | | | | X | X | X |
| *Multi-Step Inequalities* | | | | X | X | X |
| **Compound Inequalities and Absolute Value** | | | | | | |

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| *Compound Inequalities* | | | | X | X | X |
| *Equations and Inequalities and Absolute Value* | | | | X | X | X |
| **Exponents and Polynomials** | | | | | | |
| **Integer Exponents** | | | | | | |
| *Exponential Notation* | | | X | X | X | X |
| *Simplify by using the Product, Quotient and Power Rules* | | | X | X | X | X |
| *Products and Quotients Raised to Powers* | | | X | X | X | X |
| *Scientific Notation* | | | X | X | X | X |
| **Polynomials with Single Variables** | | | | | | |
| *Introduction to Single Variable Polynomials* | | | | | X | X |
| *Adding and Subtracting Polynomials* | | | | | X | X |
| *Multiplying Polynomials* | | | | | X | X |
| *Multiplying Special Cases* | | | | | X | X |
| *Dividing by a Monomial* | | | | | X | X |
| *Dividing by Binomials and Polynomials* | | | | | X | X |
| **Polynomials with Several Variables** | | | | | | |
| *Simplifying ... Polynomials with More than One Term* | | | | | X | X |
| *Operations with Polynomials* | | | | | X | X |
| **Factoring** | | | | | | |
| **Introduction to Factoring** | | | | | | |
| *Greatest Common Factor* | | | | | | X |
| **Factoring Polynomials** | | | | | | |
| *Factor Trinomials* | | | | | | X |
| *Factoring: Special Cases* | | | | | | X |
| *Special Cases: Cubes* | | | | | | X |
| **Solving Quadratic Equations** | | | | | | |
| *Solve Quadratic Equations by Factoring* | | | | | | X |
| **Graphing** | | | | | | |
| **Graphs and Applications** | | | | | | |
| *The Coordinate Plane* | | | X | X | X | X |
| *Graphing Linear Equations* | | | X | X | X | X |
| **Slope and Writing the Equation of a Line** | | | | | | |
| *Finding the slope of a line.* | | | | | X | X |
| *Writing the Equation of a Line* | | | | | X | X |
| *Parallel and Perpendicular Lines* | | | | | X | X |
| *Graphing Linear Inequalities* | | | | | X | X |
| **Systems of Equations and Inequalities** | | | | | | |
| **Graphing Systems of Equations and Inequalities** | | | | | | |

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|---|---|---|---|---|---|---|
| *Graphing Systems of Linear Equations* | | | | | | |
| *Graphing Systems of Inequalities* | | | | | | |
| **Algebraic Methods to Solve Systems of Equations** | | | | | | |
| *The Substitution Method* | | | | | | |
| *The Elimination Method* | | | | | | |
| **Systems of Equations in three or more variables** | | | | | | |
| *Solving Systems of Three Variables* | | | | | | |
| **Rational Expressions** | | | | | | |
| **Operations with Rational Expressions** | | | | | | |
| *Introduction to Rational Expressions* | | | | X | X | X |
| *Multiplying and Dividing Rational Expressions* | | | | X | X | X |
| *Adding and Subtracting Rational Expressions* | | | | X | X | X |
| *Complex Rational Expressions* | | | | | X | X |
| **Rational Equations** | | | | | | |
| *Solving Rational Equations and Applications* | | | | | X | X |
| **Formulas and Variation** | | | | | | |
| *Rational Formulas and Variation* | | | | | X | X |
| **Radical Expressions and Quadratic Equations** | | | | | | |
| **Introduction to Roots and Rational Exponents** | | | | | | |
| *Roots* | | | | | | X |
| *Squares, Cubes and Beyond* | | | | | | X |
| *Rational Exponents* | | | | | | X |
| **Operations with Radicals** | | | | | | |
| *Multiplying and Dividing Radical Expressions* | | | | | | X |
| *Adding and Subtracting Radicals* | | | | | | X |
| *Multiplication of Multiple Term Radicals* | | | | | | X |
| *Rationalizing Denominators* | | | | | | X |
| **Radical Equations** | | | | | | |
| *Solving Radical Equations* | | | | | | X |
| **Complex Numbers** | | | | | | |
| *Complex Numbers* | | | | | | X |
| *Operations with Complex Numbers* | | | | | | X |
| **Solving Quadratic Equations** | | | | | | |
| *Square Roots and Completing the Square* | | | | | | X |
| *The Quadratic Formula* | | | | | | X |
| **Functions** | | | | | | |
| **Introduction to Functions** | | | | | | |
| *Identifying Functions* | | | | | | X |

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| **Using Functions** | | | | | | |
| *Evaluating functions* | | | | | | X |
| *Graphing types of functions* | | | | | | X |
| *Finding Domain and range* | | | | | | X |
| **Operations with Functions** | | | | | | |
| *Arithmetic operations with functions* | | | | | | X |
| **Exponential and Logarithmic Functions** | | | | | | |
| **Exponential Functions** | | | | | | |
| *Introduction to Exponential Functions* | | | | | | X |
| **Logarithmic Functions** | | | | | | |
| *Introduction to Logarithmic Functions* | | | | | | |
| *Properties of Logarithmic Functions* | | | | | | |
| **Natural Logarithms** | | | | | | |
| *Introduction to Natural and Common Logarithms* | | | | | | |
| **Logarithmic and Exponential Equations** | | | | | | |
| *Solving equations* | | | | | | |
| *... Modeling with Exponential and Logarithmic Functions* | | | | | | |