

SARA™

BY RAY DASS

Course Content Guide

2025-2026





SARATM

BY RAY DASS

K-8 Math Courses

Critical Math 2

Course Guide

Lesson 1:	Intro to Addition	Lesson 41:	Digit Placement I
Lesson 2:	Sum of Two Numbers	Lesson 42:	Digit Placement II
Lesson 3:	Addition Vocabulary	Lesson 43:	Counting Money I
Lesson 4:	Addition Word Problems	Lesson 44:	Counting Money II
Lesson 5:	Intro to Subtraction	Lesson 45:	Counting Money III
Lesson 6:	Difference of Two Numbers	Lesson 46:	Word Problems III
Lesson 7:	Subtraction Vocabulary	Lesson 47:	Word Problems IV
Lesson 8:	Subtraction Word Problems	Lesson 48:	Reading Tables II
Lesson 9:	Doubles in Addition	Lesson 49:	Counting Money IV
Lesson 10:	Using Doubles to Add	Lesson 50:	Counting Money V
Lesson 11:	Adding and Subtracting Zeros	Lesson 51:	Money I
Lesson 12:	Adding with Double Digits	Lesson 52:	Money II
Lesson 13:	Adding Double Digit Word Problems	Lesson 53:	Time I
Lesson 14:	Subtracting with Double Digits	Lesson 54:	Reading Clocks
Lesson 15:	Subtracting Double Digit Word Problems I	Lesson 55:	Time II
Lesson 16:	Subtracting Double Digit Word Problems II	Lesson 56:	Reading Clocks II
Lesson 17:	Subtracting Double Digit Word Problems III	Lesson 57:	Time III
Lesson 18:	Skip Counting 10s	Lesson 58:	Solving Equations III
Lesson 19:	Skip Counting 5s	Lesson 59:	Word Problems V
Lesson 20:	Adding 10s	Lesson 60:	Inequality Vocabulary
Lesson 21:	Adding Two Double Digit Numbers	Lesson 61:	Inequalities I
Lesson 22:	Adding Two Digit Numbers	Lesson 62:	Word Problems VII
Lesson 23:	Subtracting Two Digit Numbers	Lesson 63:	Word Problems VIII
Lesson 24:	Adding Two Double Digit Numbers II	Lesson 64:	Charts I
Lesson 25:	Subtracting Two Digit Numbers II	Lesson 65:	Patterns I
Lesson 26:	Skip Counting 100s	Lesson 66:	Identifying Shapes I
Lesson 27:	Adding Multiples of 100	Lesson 67:	Identifying Shapes II
Lesson 28:	Adding Three Digit Numbers	Lesson 68:	Word Problems IX
Lesson 29:	Subtracting Multiples of 100	Lesson 69:	Word Problems X
Lesson 30:	Adding Two and Three Digit Numbers	Lesson 70:	Word Problems XI
Lesson 31:	Subtracting Two and Three Digit Numbers	Lesson 71:	Word Problems XII
Lesson 32:	Solving Equations I	Lesson 72:	Word Problems XIII
Lesson 33:	Solving Equations II	Lesson 73:	Tables I
Lesson 34:	Subtracting and Adding	Lesson 74:	Units of Measurement I
Lesson 35:	Solving Equations Word Problems	Lesson 75:	Units of Measurement II
Lesson 36:	Word Problems I	Lesson 76:	Units of Measurement III
Lesson 37:	Word Problems II	Lesson 77:	Units of Measurement IV
Lesson 38:	Building Equations		
Lesson 39:	Math Vocabulary II		
Lesson 40:	Breaking Down Numbers I		

Critical Math 3

Course Guide

Lesson 1:	Math Vocab I	Lesson 41:	Solving Equations II
Lesson 2:	Math Vocab II	Lesson 42:	Division Vocab
Lesson 3:	Adding II	Lesson 43:	Commutative Property
Lesson 4:	Subtracting I	Lesson 44:	Distributive Property
Lesson 5:	Adding II	Lesson 45:	Multiplying by Zero
Lesson 6:	Subtracting II	Lesson 46:	Word Problems IX
Lesson 7:	Word Problems I	Lesson 47:	Money II
Lesson 8:	Order of Operations I	Lesson 48:	Money II
Lesson 9:	Order of Operations II	Lesson 49:	Word Problems X
Lesson 10:	Order of Operations III	Lesson 50:	Dividing with a
Lesson 11:	Word Problems II	Lesson 51:	Remainder
Lesson 12:	Skip Counting I	Lesson 52:	Word Problems XI
Lesson 13:	Skip Counting II	Lesson 53:	Breaking Down Numbers
Lesson 14:	Skip Counting III	Lesson 54:	I
Lesson 15:	Skip Counting IV	Lesson 55:	Word Problems XII
Lesson 16:	Intro to Multiplication	Lesson 56:	Midpoint
Lesson 17:	1 Times Table	Lesson 57:	Rounding I
Lesson 18:	2 Times Table	Lesson 58:	Rounding II
Lesson 19:	5 Times Table	Lesson 59:	Rounding III
Lesson 20:	10 Times Table	Lesson 60:	Rounding IV
Lesson 21:	11 Times Table	Lesson 61:	Rounding V
Lesson 22:	Word Problems III	Lesson 62:	Word Problems XIII
Lesson 23:	3 Times Table	Lesson 63:	Area I
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Lesson 26:	4 Times Table	Lesson 66:	Perimeter II
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Lesson 33:	Equivalent Equations I	Lesson 73:	Word Problems XVI
Lesson 34:	Division I	Lesson 74:	Fraction Vocab
Lesson 35:	Word Problems V	Lesson 75:	Word Problems XVII
Lesson 36:	Division II	Lesson 76:	Word Problems XVIII
Lesson 37:	Word Problems VI	Lesson 77:	Shapes
Lesson 38:	Word Problems VII	Lesson 78:	Word Problems XIX
Lesson 39:	Word Problems VIII	Lesson 79:	Word Problems XX
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Course Guide

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Lesson 3:	Subtracting I	Lesson 43:	Dividing V	Lesson 83:	Units of Measurement V
Lesson 4:	Subtracting II	Lesson 44:	Word Problems X		
Lesson 5:	Adding III	Lesson 45:	Part to Whole		
Lesson 6:	Subtracting III	Lesson 46:	Fractions I		
Lesson 7:	Intro to Multiplication	Lesson 47:	Fractions II		
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Lesson 10:	Dividing I	Lesson 50:	Subtracting Fractions		
Lesson 11:	Word Problem II	Lesson 51:	Adding Fractions		
Lesson 12:	Math Vocab	Lesson 52:	Advanced Fractions		
Lesson 13:	Order of Operations II	Lesson 53:	Advanced Fractions II		
Lesson 14:	Order of Operations II	Lesson 54:	Fraction Equivalence		
Lesson 15:	Word Problem III	Lesson 55:	Fraction Equivalence II		
Lesson 16:	Multiplying I	Lesson 56:	Fraction Equivalence III		
Lesson 17:	Multiplying II	Lesson 57:	Multiplying Fractions		
Lesson 18:	Multiplying III	Lesson 58:	Adding Decimals		
Lesson 19:	Multiplying IV	Lesson 59:	Word Problems XI		
Lesson 20:	Multiplying V	Lesson 60:	Advanced Division		
Lesson 21:	Word Problems IV	Lesson 61:	Word Problems XII		
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Lesson 30:	Money II	Lesson 70:	Word Problems XVI		
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Lesson 32:	Rounding II	Lesson 72:	Composite Numbers		
Lesson 33:	Rounding III	Lesson 73:	Prime Numbers II		
Lesson 34:	Word Problems VI	Lesson 74:	Patterns II		
Lesson 35:	Rounding IV	Lesson 75:	Patterns II		
Lesson 36:	Dividing II	Lesson 76:	Patterns III		
Lesson 37:	Word Problems VII	Lesson 77:	Patterns IV		
Lesson 38:	Dividing III	Lesson 78:	Units of Measurement		
Lesson 39:	Word Problems VIII	Lesson 79:	Units of Measurement II		
Lesson 40:	Remainder	Lesson 80:	Word Problems XVII		

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Course Guide

Lesson 1:	Word Problems I	Lesson 41:	Word Problems XI
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Lesson 4:	Word Problems III	Lesson 44:	Combining Complex
Lesson 5:	Multiplying I	Lesson 45:	Fractions
Lesson 6:	Multiplying II	Lesson 46:	Multiplying Mixed
Lesson 7:	Missing Number Multiplication	Lesson 47:	Fractions
Lesson 8:	Multiplying III	Lesson 48:	Subtracting Decimals
Lesson 9:	Multiplying IV	Lesson 49:	Inequalities I
Lesson 10:	Word Problems IV	Lesson 50:	Inequalities II
Lesson 11:	Multiplying VI	Lesson 51:	Word Problems XIII
Lesson 12:	Multiplying VII	Lesson 52:	Word Problems XIV
Lesson 13:	Multiplying VIII	Lesson 53:	Dividing Decimals I
Lesson 14:	Multiplying IX	Lesson 54:	Dividing Decimals II
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Lesson 17:	Word Problems VI	Lesson 57:	Fraction Equivalence III
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Lesson 23:	Remainders IV	Lesson 63:	Dividing by Fractions I
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Lesson 25:	Rounding II	Lesson 65:	Exponents II
Lesson 26:	Rounding III	Lesson 66:	Exponents III
Lesson 27:	Rounding IV	Lesson 67:	Zero as an Exponent
Lesson 28:	Rounding V	Lesson 68:	Charts
Lesson 29:	Fractions of a Shape	Lesson 69:	Units of Measurement
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Lesson 39:	Multiplying Fractions II	Lesson 79:	Word Problems XVIII
Lesson 40:	Word Problems X	Lesson 80:	Area and Fractions

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Course Guide

Lesson 1:	Word Problems I	Lesson 41:	Reciprocals	Lesson 81:	Mean
Lesson 2:	Multiplying I	Lesson 42:	Mixed Fractions I	Lesson 82:	Median
Lesson 3:	Multiplying II	Lesson 43:	Improper Fractions	Lesson 83:	Mode
Lesson 4:	Missing # Multiplication	Lesson 44:	Adding Mixed Fractions	Lesson 84:	Angles I
Lesson 5:	Multiplying III	Lesson 45:	Adding Mixed Fractions II	Lesson 85:	Angles II
Lesson 6:	Multiplying IV	Lesson 46:	Subtracting Mixed Fractions	Lesson 86:	Triangles I
Lesson 7:	Word Problems II	Lesson 47:	Mixed Fractions II	Lesson 87:	Angles III
Lesson 8:	Multiplying V	Lesson 48:	Mixed Fraction Multiplication	Lesson 88:	Triangles II
Lesson 9:	Multiplying VI	Lesson 49:	Word Problems VIII	Lesson 89:	Perimeter
Lesson 10:	Multiplying VII	Lesson 50:	Rounding	Lesson 90:	Area I
Lesson 11:	Multiplying VIII	Lesson 51:	Place Value I	Lesson 91:	Area II
Lesson 12:	Multiplying IX	Lesson 52:	Place Value II	Lesson 92:	Area III
Lesson 13:	Multiplying X	Lesson 53:	Place Value III	Lesson 93:	Area IV
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Lesson 34:	Word Problems VII	Lesson 74:	Exponents IV		
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Lesson 38:	Multiplying Fractions IV	Lesson 78:	Expressions III		
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Lesson 3:	Multiplying II	Lesson 43:	Improper Fractions	Lesson 83:	Mode
Lesson 4:	Missing # Multiplication	Lesson 44:	Adding Mixed Fractions	Lesson 84:	Angles I
Lesson 5:	Multiplying III	Lesson 45:	Adding Mixed Fractions II	Lesson 85:	Angles II
Lesson 6:	Multiplying IV	Lesson 46:	Subtracting Mixed Fractions	Lesson 86:	Triangles I
Lesson 7:	Word Problems II	Lesson 47:	Mixed Fractions II	Lesson 87:	Angles III
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Lesson 9:	Multiplying VI	Lesson 49:	Word Problems VIII	Lesson 89:	Perimeter
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Lesson 11:	Multiplying VIII	Lesson 51:	Place Value I	Lesson 91:	Area II
Lesson 12:	Multiplying IX	Lesson 52:	Place Value II	Lesson 92:	Area III
Lesson 13:	Multiplying X	Lesson 53:	Place Value III	Lesson 93:	Area IV
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Lesson 17:	Dividing III	Lesson 57:	Decimal Subtraction I		
Lesson 18:	Dividing IV	Lesson 58:	Decimal Multiplication		
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Lesson 27:	Fraction Addition II	Lesson 67:	Composite Numbers		
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Lesson 29:	Fraction Subtraction I	Lesson 69:	GCF		
Lesson 30:	Fraction Subtraction II	Lesson 70:	LCM		
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Lesson 35:	Multiplying Fractions I	Lesson 75:	Expressions I		
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Essential Math

Course Guide

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Lesson 4:	Multiplying IV	Lesson 44:	Decimal Addition II
Lesson 5:	Multiplying V	Lesson 45:	Decimal Subtraction II
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Lesson 7:	Multiplying VII	Lesson 47:	Decimal Multiplication II
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Lesson 24:	Mixed Fractions II		
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Pre-Algebra

Course Guide

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Lesson 3:	Order of Operations	Lesson 43:	Perimeter/Area/Volume
Lesson 4:	Multiplication of Integers	Lesson 44:	Geometry Word Problems
Lesson 5:	Multiplication Property		
Lesson 6:	Multiplicative Inverse (Reciprocal)		
Lesson 7:	Ratios and Number of Comparison		
Lesson 8:	Decimals/Percents		
Lesson 9:	Percent of Values		
Lesson 10:	Cost Ratio		
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Lesson 13:	Multiplication/Division 1 Step Equations		
Lesson 14:	Solving Equations by Combining Like Terms		
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Lesson 29:	Properties of Exponents		
Lesson 30:	Application of Exponent Properties		
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Lesson 32:	Negative Exponents		
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Lesson 39:	Solving Inequalities		
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Algebra

Course Guide

- Lesson 1: Associative Property
- Lesson 2: Integers and Inverse
- Lesson 3: Order of Operations Equivalence
- Lesson 4: Multiplication of Integers
- Lesson 5: Multiplication/Division Property
- Lesson 6: Multiplicative Inverse (Reciprocal)
- Lesson 7: Ratio Equivalence
- Lesson 8: Decimals/Percents
- Lesson 9: Percentage Word Problems
- Lesson 10: Cost Word Problems
- Lesson 11: Addition/Subtraction 1 Step Equations
- Lesson 12: Properties and Substitution
- Lesson 13: Multiplication/Division 1 Step Equations
- Lesson 14: Combine Like Terms w/ Variables
- Lesson 15: Two Step Equations
- Lesson 16: Complex Order of Operations
- Lesson 17: Simplify Expressions
- Lesson 18: Complex Substitution
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- Lesson 22: Cost Equations Word Problems
- Lesson 23: Evaluating Cost Word Problems
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- Lesson 25: Percentage Ratio Applications
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- Lesson 29: Evaluating Exponents
- Lesson 30: Exponent Properties
- Lesson 31: Complex Exponent Properties
- Lesson 32: Negative Exponents
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- Lesson 35: Slope of Linear Equations
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- Lesson 38: Linear Equations from Graph
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- Lesson 40: Inequalities w/ Ordered Pairs
- Lesson 41: Multiplying Polynomials
- Lesson 42: Factoring Polynomials
- Lesson 43: Solving Polynomials
- Lesson 44: Polynomial Classification
- Lesson 45: Quadratic Equations
- Lesson 46: Linear Functions
- Lesson 47: Geometry and Polynomials
- Lesson 48: Perimeter and Area w/ Polynomials
- Lesson 49: Geometry Word Problems
- Lesson 50: Complex Geometry



SARATM

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High School Test Prep Courses

Math, Reading, and Writing

Math Level I

Course Guide

Lesson 1:	Number Properties	Lesson 41:	Using the Answers for Algebra
Lesson 2:	Order of Operations	Lesson 42:	Ratio/Proportion Word Problems
Lesson 3:	Decimals	Lesson 43:	Solving for Variables
Lesson 4:	Mean, Median, Mode	Lesson 44:	Linear Combination
Lesson 5:	Integers	Lesson 45:	Algebra Review
Lesson 6:	Factors of Integers	Lesson 46:	Rational Expressions
Lesson 7:	Word Problems	Lesson 47:	Coordinates
Lesson 8:	Finding Patterns	Lesson 48:	Slope
Lesson 9:	Multivariable Equations	Lesson 49:	Quadratic Factoring
Lesson 10:	Inequalities	Lesson 50:	Quadratic Foiling
Lesson 11:	Absolute Values & Number Lines	Lesson 51:	Systems of Equations
Lesson 12:	Percent	Lesson 52:	Multivariable Expressions
Lesson 13:	Percent Plus	Lesson 53:	Word Problem Components
Lesson 14:	Word Problems with Percent	Lesson 54:	Radical Equations
Lesson 15:	Systems of Equations	Lesson 55:	Properties of Roots
Lesson 16:	Ratios	Lesson 56:	Graphing Linear Equations
Lesson 17:	Ratio Review		
Lesson 18:	Mixed Multiplication		
Lesson 19:	Real World Problems		
Lesson 20:	Indirect Proportion		
Lesson 21:	Factors and Remainders		
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Lesson 27:	Samples of Sets		
Lesson 28:	Probability & Counting		
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Lesson 30:	Triangles Pythagorean		
Lesson 31:	Polygon Angles		
Lesson 32:	Triangle Angles		
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Lesson 35:	Translating Word Problems		
Lesson 36:	Exponent Multiplication		
Lesson 37:	Exponent Division		
Lesson 38:	Exponent Power		
Lesson 39:	Advanced Exponents		
Lesson 40:	Exponents Combined		

Math Level I Advanced

Course Guide

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Lesson 4:	Mean, Median, Mode	Lesson 44:	Properties of Roots
Lesson 5:	Integers	Lesson 45:	Radical Equations
Lesson 6:	Factors of Integers	Lesson 46:	Ratio/Proportion Word Problems
Lesson 7:	Factors and Remainders	Lesson 47:	Triangles Perimeter
Lesson 8:	Word Problems	Lesson 48:	Triangles Pythagorean
Lesson 9:	Finding Patterns	Lesson 49:	Similar Triangles
Lesson 10:	Manipulating Equations	Lesson 50:	45-45-90 Triangles
Lesson 11:	Multivariable Equations	Lesson 51:	Special Right 30-60-90
Lesson 12:	Solving for Variables	Lesson 52:	Polygon Angles
Lesson 13:	Inequalities	Lesson 53:	Triangle Angles
Lesson 14:	Absolute Values & Number Lines	Lesson 54:	Circles and Squares
Lesson 15:	Number Line	Lesson 55:	Area of a Shaded Region
Lesson 16:	Percent	Lesson 56:	Lines and Angles
Lesson 17:	Percent Plus	Lesson 57:	Lines and Parallel Lines
Lesson 18:	Word Problems with Percent	Lesson 58:	Coordinates
Lesson 19:	Ratios	Lesson 59:	Slope
Lesson 20:	Ratio Review	Lesson 60:	Midpoint
Lesson 21:	Real World Word Problems	Lesson 61:	Distances
Lesson 22:	Mixed Multiplication	Lesson 62:	Quadratic Factoring
Lesson 23:	Direct Proportion	Lesson 63:	Quadratic Foiling
Lesson 24:	Indirect Proportion	Lesson 64:	Functions Notation
Lesson 25:	Probability		
Lesson 26:	Counting		
Lesson 27:	Probability & Counting		
Lesson 28:	Arithmetic Sequences		
Lesson 29:	Geometric Sequences		
Lesson 30:	Systems of Equations		
Lesson 31:	Linear Combination		
Lesson 32:	Equation Equivalence		
Lesson 33:	Translating Word Problems		
Lesson 34:	Samples of Sets		
Lesson 35:	Algebra Review		
Lesson 36:	Exponent Multiplication		
Lesson 37:	Exponent Division		
Lesson 38:	Exponent Power		
Lesson 39:	Advanced Exponents		
Lesson 40:	Exponents Combined		

Math Level II

Course Guide

Lesson 1:	Algebra Essentials	Lesson 41:	Similar Triangles
Lesson 2:	Math Vocabulary	Lesson 42:	45-45-90 Triangles
Lesson 3:	Translating Word Problems	Lesson 43:	Special Right 30-60-90
Lesson 4:	Word Problem Components	Lesson 44:	Lines and Angles
Lesson 5:	Algebra Rules	Lesson 45:	Lines and Parallel Lines
Lesson 6:	Consecutive Numbers	Lesson 46:	Equation of a Circle
Lesson 7:	Ratio & Proportion	Lesson 47:	Radical Equations
Lesson 8:	Ratio/Proportion Word Problems	Lesson 48:	Word Problems Systems
Lesson 9:	Fraction & Percent	Lesson 49:	Absolute Value (Word Problems)
Lesson 10:	Simplifying Expressions	Lesson 50:	Quadratic Equation
Lesson 11:	Multivariable Expressions	Lesson 51:	Lines and Angles
Lesson 12:	Arithmetic Sequence	Lesson 52:	Lines and Parallel Lines
Lesson 13:	Geometric Sequence	Lesson 53:	Piecewise Functions
Lesson 14:	Mean, Median, and Mode	Lesson 54:	Advanced Data Analysis
Lesson 15:	Triangles	Lesson 55:	Exponential Growth
Lesson 16:	Inequalities	Lesson 56:	Factoring and Foiling
Lesson 17:	Fraction & Percent Word Problems		
Lesson 18:	Areas and Perimeters		
Lesson 19:	Divisibility & Factors		
Lesson 20:	Number Sense		
Lesson 21:	Unit Analysis		
Lesson 22:	Data Analysis		
Lesson 23:	More Circles		
Lesson 24:	Similar Figures		
Lesson 25:	Circles		
Lesson 26:	Geometry Word Problems		
Lesson 27:	Density		
Lesson 28:	Exponents		
Lesson 29:	Graphing Linear Equations		
Lesson 30:	Surface Area & Volume		
Lesson 31:	System of Equations		
Lesson 32:	Advanced Inequalities		
Lesson 33:	Bar Graphs		
Lesson 34:	Graphing Inequalities		
Lesson 35:	Chords		
Lesson 36:	Rate Problems		
Lesson 37:	Logic		
Lesson 38:	Special Triangles		
Lesson 39:	Properties of Roots		
Lesson 40:	Radical Equations		

Math Level II Advanced

Course Guide

Lesson 1:	Algebra Essentials	Lesson 41:	Functions (Models)
Lesson 2:	Divisibility & Factors	Lesson 42:	Solving Functions Graphically
Lesson 3:	Unit Analysis	Lesson 43:	Advanced Inequalities
Lesson 4:	Math Vocabulary	Lesson 44:	Absolute Value (Word Problems)
Lesson 5:	Translating Word Problems	Lesson 45:	Slope
Lesson 6:	Word Problem Components	Lesson 46:	Distance
Lesson 7:	Algebra Rules	Lesson 47:	Functions Notation
Lesson 8:	Consecutive Numbers	Lesson 48:	Exponential Growth
Lesson 9:	Ratio & Proportion	Lesson 49:	Data (Histograms)
Lesson 10:	Ratio/Proportion Word Problems	Lesson 50:	Graphing Inequalities
Lesson 11:	Fraction & Percent	Lesson 51:	Advanced Geometry
Lesson 12:	Fraction & Percent Word Problems	Lesson 52:	Piecewise Functions
Lesson 13:	Simplifying Expressions	Lesson 53:	Rate Problems
Lesson 14:	Multivariable Expressions	Lesson 54:	Logic
Lesson 15:	Inequalities	Lesson 55:	Probability
Lesson 16:	Data Analysis	Lesson 56:	Counting
Lesson 17:	Arithmetic Sequence	Lesson 57:	Variation
Lesson 18:	Geometric Sequence	Lesson 58:	Logarithm
Lesson 19:	Mean, Median, and Mode	Lesson 59:	Standard Deviation
Lesson 20:	Number Sense	Lesson 60:	Complex Numbers
Lesson 21:	Graphing Linear Equations	Lesson 61:	Trigonometry
Lesson 22:	Areas and Perimeters	Lesson 62:	Unit Circle
Lesson 23:	Chords	Lesson 63:	Advanced Data Analysis
Lesson 24:	Tangents and Circles	Lesson 64:	Physics Models
Lesson 25:	Triangles		
Lesson 26:	Special Triangles		
Lesson 27:	Circles		
Lesson 28:	Circles Advanced		
Lesson 29:	Similar Figures		
Lesson 30:	Geometry Word Problems		
Lesson 31:	Surface Area & Volume		
Lesson 32:	Density		
Lesson 33:	Exponents		
Lesson 34:	Fractional Exponents		
Lesson 35:	Radical Equations		
Lesson 36:	Exponents Combined		
Lesson 37:	System of Equations		
Lesson 38:	Word Problems Systems		
Lesson 39:	Factoring/Foiling		
Lesson 40:	Quadratic Equation		

Math Level III

Course Guide

Lesson 1:	Solving for Variables	Lesson 41:	Functions: Miscellaneous
Lesson 2:	Number Line	Lesson 42:	Interpreting Data
Lesson 3:	Inequalities	Lesson 43:	Interpreting Graphs
Lesson 4:	Data Analysis	Lesson 44:	Advanced Algebra Review Quadratic Equations: Constants
Lesson 5:	Fraction & Percent Word Problems	Lesson 45:	Functions Notation
Lesson 6:	Number Sense	Lesson 46:	Fractional Exponents
Lesson 7:	Probability: Data Analysis	Lesson 47:	Density
Lesson 8:	Trend Lines	Lesson 48:	Word Problems Systems
Lesson 9:	If, What Problems	Lesson 49:	Factoring and Foiling
Lesson 10:	Lines and Angles	Lesson 50:	Quadratic Equation
Lesson 11:	Right Triangles: Geometry	Lesson 51:	Solving Functions Graphically
Lesson 12:	Similar Triangles	Lesson 52:	Exponential Growth
Lesson 13:	Volume	Lesson 53:	Population and Sampling
Lesson 14:	Circles: Geometry I	Lesson 54:	Trigonometry
Lesson 15:	Functions: Tables	Lesson 55:	Complex Numbers
Lesson 16:	Slope and Linear Equations I	Lesson 56:	Trigonometric Functions
Lesson 17:	Special Triangles		
Lesson 18:	Linear Inequalities		
Lesson 19:	Surface Area & Volume		
Lesson 20:	Ratios & Proportions		
Lesson 21:	Arithmetic Sequence		
Lesson 22:	Graphing Linear Equations		
Lesson 23:	Chords		
Lesson 24:	Slope and Linear Equations II		
Lesson 25:	Linear Function Models		
Lesson 26:	Systems of Linear Equations: Inequalities I		
Lesson 27:	Systems of Linear Equations: Inequalities II		
Lesson 28:	Dimensional Analysis		
Lesson 29:	Functions: Algebra		
Lesson 30:	Variation		
Lesson 31:	Ratio & Proportion		
Lesson 32:	Ratio/Proportion Word Problems		
Lesson 33:	Slope		
Lesson 34:	Areas and Perimeters		
Lesson 35:	Graphing Inequalities		
Lesson 36:	Parallel and Perpendicular Lines		
Lesson 37:	Advanced Algebra Review Absolute Value		
Lesson 38:	Piecewise Functions		
Lesson 39:	Advanced Data Analysis		
Lesson 40:	Functions: Graphs		

Math Level III Advanced

Course Guide

- Lesson 1: Functions: Algebra
- Lesson 2: Functions: Tables
- Lesson 3: Functions: Graphs
- Lesson 4: Functions: Miscellaneous
- Lesson 5: Slope and Linear Equations I
- Lesson 6: Slope and Linear Equations II
- Lesson 7: Linear Inequalities
- Lesson 8: Systems of Linear Equations: Inequalities I
- Lesson 9: Systems of Linear Equations: Inequalities II
- Lesson 10: Linear Function Models
- Lesson 11: Graphical Representation
- Lesson 12: Fractions, Decimals and Percentages
- Lesson 13: Ratios & Proportions
- Lesson 14: Dimensional Analysis
- Lesson 15: Rates
- Lesson 16: Interpreting Data
- Lesson 17: Interpreting Graphs
- Lesson 18: Interpreting Data & Graphs I
- Lesson 19: Interpreting Data & Graphs II
- Lesson 20: Probability: Numerical
- Lesson 21: Probability: Data Analysis
- Lesson 22: Measures of Center and Spread
- Lesson 23: Population and Sampling
- Lesson 24: Standard Deviation / Margin of Error
- Lesson 25: Relationships & Conclusions
- Lesson 26: Trend Lines
- Lesson 27: Business Models
- Lesson 28: Advanced Algebra Review: Exponent Rules
- Lesson 29: Advanced Algebra Review: Graphical Shifts
- Lesson 30: Advanced Algebra Review: Polynomials
- Lesson 31: Advanced Algebra Review: Quadratic Equations: Constants
- Lesson 32: Advanced Algebra Review: Quadratic Equations: Solutions
- Lesson 33: Advanced Algebra Review: Radicals
- Lesson 34: Advanced Algebra Review: Absolute Value
- Lesson 35: Mixed Review I
- Lesson 36: Mixed Review II
- Lesson 37: Number Sense
- Lesson 38: Exponential Functions
- Lesson 39: In Terms Of
- Lesson 40: If, What Problems
- Lesson 41: Parabola
- Lesson 42: Imaginary Numbers
- Lesson 43: Physics Models I
- Lesson 44: Physics Models II
- Lesson 45: Lines and Angles
- Lesson 46: Parallel and Perpendicular Lines
- Lesson 47: Similar Triangles
- Lesson 48: Right Triangles: Geometry
- Lesson 49: Right Triangles: Trigonometry
- Lesson 50: Trigonometric Functions
- Lesson 51: Circles: Geometry I
- Lesson 52: Circles: Geometry II
- Lesson 53: Circles: Algebra
- Lesson 54: Polygons
- Lesson 55: Volume
- Lesson 56: Unit Circle
- Lesson 57: Mixed Review III
- Lesson 58: Mixed Review IV
- Lesson 59: Mixed Review V
- Lesson 60: Mixed Review VI
- Lesson 61: Mixed Review VII
- Lesson 62: Mixed Review VIII
- Lesson 63: Mixed Review IX
- Lesson 64: Mixed Review X

Writing Level I

Course Guide

- Lesson 1: Commas
- Lesson 2: Adv. Commas
- Lesson 3: Apostrophes
- Lesson 4: Semicolons
- Lesson 5: Colons
- Lesson 6: Parentheses
- Lesson 7: Dashes
- Lesson 8: S-V Agreement
- Lesson 9: S-V Agreement II
- Lesson 10: Nouns & Pronouns I
- Lesson 11: Nouns & Pronouns II
- Lesson 12: Run-on Sentences
- Lesson 13: Sentence Fragments
- Lesson 14: Adverbs & Adjectives
- Lesson 15: Comparison Problems
- Lesson 16: Comparatives & Superlatives
- Lesson 17: Misplaced Modifiers
- Lesson 18: Idioms
- Lesson 19: Advanced Idioms
- Lesson 20: Verb Tense
- Lesson 21: Irregular Verbs
- Lesson 22: Parallelism
- Lesson 23: Parallelism w/ Idioms
- Lesson 24: Redundancy
- Lesson 25: Wordiness
- Lesson 26: Awkward Phrasing
- Lesson 27: Diction
- Lesson 28: Subjunctive
- Lesson 29: Infinitives and Gerunds
- Lesson 30: Logic

Writing Level II

Course Guide

- Lesson 1: Commas
- Lesson 2: Apostrophes
- Lesson 3: Semicolons
- Lesson 4: Parentheses
- Lesson 5: Subject-Verb Agreements
- Lesson 6: Subject-Verb Agreements II
- Lesson 7: Nouns & Pronouns I
- Lesson 8: Nouns & Pronouns II
- Lesson 9: Run-on Sentences
- Lesson 10: Sentence Fragments
- Lesson 11: Adverbs & Adjectives
- Lesson 12: Comparison Problems
- Lesson 13: Comparatives & Superlatives
- Lesson 14: Misplaced Modifiers
- Lesson 15: Idioms
- Lesson 16: Advanced Idioms
- Lesson 17: Verb Tenses
- Lesson 18: Irregular Verbs
- Lesson 19: Parallelism
- Lesson 20: Parallelism with Idioms
- Lesson 21: Redundancy
- Lesson 22: Wordiness
- Lesson 23: Awkward Phrasing
- Lesson 24: Diction
- Lesson 25: Subjunctive
- Lesson 26: Infinitives & Gerunds
- Lesson 27: Logic
- Lesson 28: Transitions
- Lesson 29: Logical Ordering
- Lesson 30: Ordering of Ideas
- Lesson 31: Graphs in Context

Writing Level III

Course Guide

- Lesson 1: Punctuation I
- Lesson 2: Parallelism
- Lesson 3: Punctuation II
- Lesson 4: Sentence Combination
- Lesson 5: Sentence Structure
- Lesson 6: Subject-Verb Agreement
- Lesson 7: Verb Tense
- Lesson 8: Pronouns
- Lesson 9: Possessives
- Lesson 10: Sentence Improvement
- Lesson 11: Illogical Comparison
- Lesson 12: Redundancy
- Lesson 13: Diction I
- Lesson 14: Conventional Expression
- Lesson 15: Diction II
- Lesson 16: Transitions
- Lesson 17: Style and Tone
- Lesson 18: Mixed Review I
- Lesson 19: Presenting Arguments
- Lesson 20: Support
- Lesson 21: Kept / Deleted
- Lesson 22: Sentence Clarity
- Lesson 23: Syntax
- Lesson 24: Data Analysis
- Lesson 25: Passages I
- Lesson 26: Passages II
- Lesson 27: Passages III
- Lesson 28: Passage Mixed Review II
- Lesson 29: Passage Mixed Review III
- Lesson 30: Passage Mixed Review IV
- Lesson 31: Passage Mixed Review V
- Lesson 32: Passage Mixed Review VI

Reading Level I

Course Guide

- Lesson 1: Essentials
- Lesson 2: Have a Plan
- Lesson 3: Types of Passages
- Lesson 4: While You're Reading
- Lesson 5: Main Idea
- Lesson 6: Paraphrasing I
- Lesson 7: Paraphrasing II
- Lesson 8: Accomplish a Goal
- Lesson 9: Structure
- Lesson 10: How Would you Describe
- Lesson 11: Logic of Analogies and Arguments
- Lesson 12: Details
- Lesson 13: Central Idea
- Lesson 14: Author's Purpose
- Lesson 15: Purpose
- Lesson 16: Cause & Effect
- Lesson 17: Inference
- Lesson 18: Phrase in Context
- Lesson 19: Vocabulary in Context
- Lesson 20: Support/Suggest
- Lesson 21: Ambiguous Sentences
- Lesson 22: Characterizing Phrases
- Lesson 23: Tone
- Lesson 24: Point of View
- Lesson 25: Comparison Purpose
- Lesson 26: Evidence
- Lesson 27: Extrapolating
- Lesson 28: Graphs in Context
- Lesson 29: Citing Textual Evidence
- Lesson 30: Analyzing Claims & Counterclaims
- Lesson 31: Assessing Reasoning
- Lesson 32: Analyzing Evidence
- Lesson 33: Analyzing Graphs

Reading Level II

Course Guide

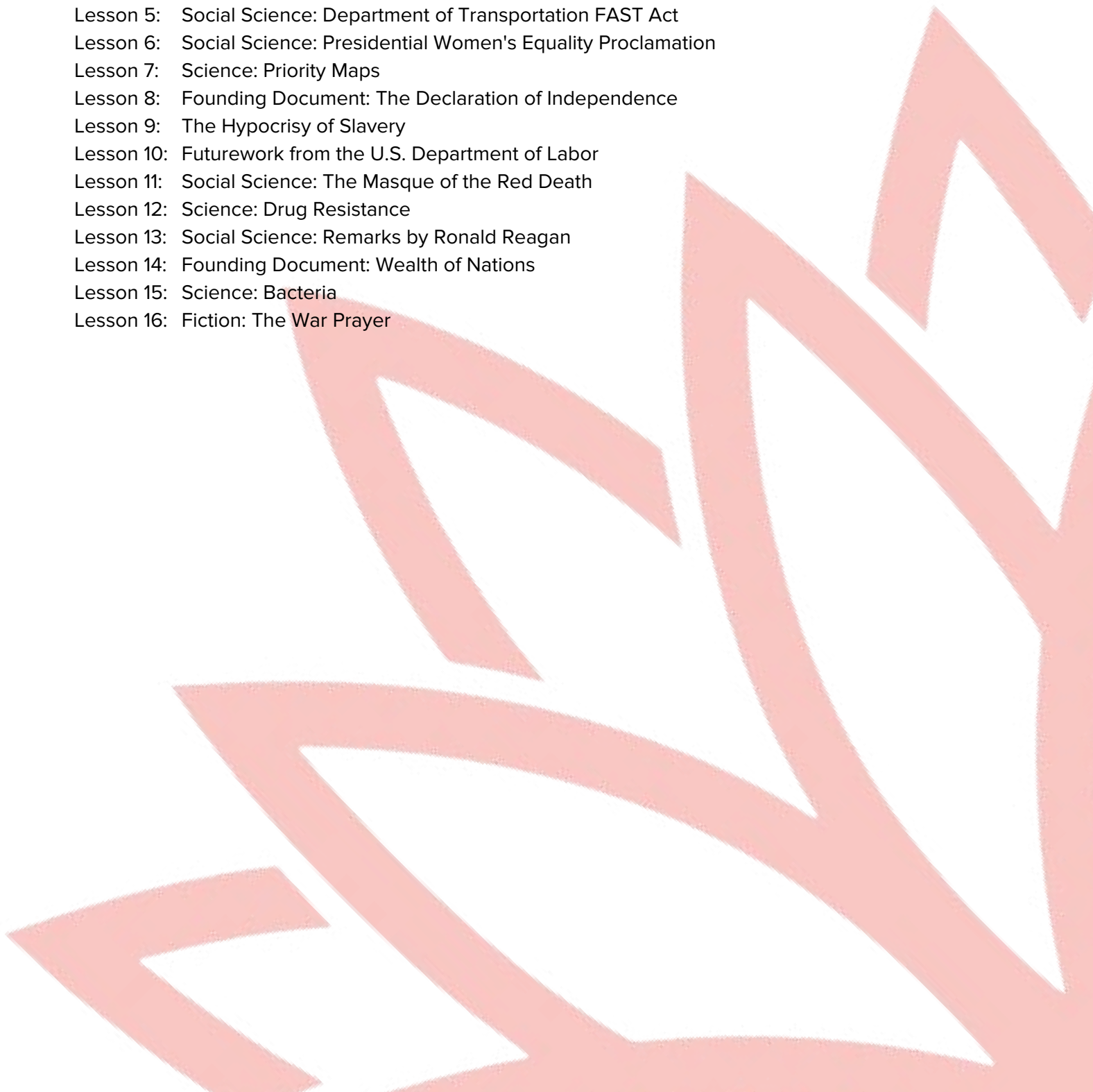
- Lesson 1: Dracula
- Lesson 2: Martin Luther King
- Lesson 3: John F. Kennedy
- Lesson 4: Count of Monte Cristo
- Lesson 5: Picture of Dorian Gray
- Lesson 6: Outwitting Our Nerves
- Lesson 7: Kangaroo Rat
- Lesson 8: Theodore Roosevelt
- Lesson 9: The Jungle
- Lesson 10: Animal Research
- Lesson 11: American Bison
- Lesson 12: Woodrow Wilson
- Lesson 13: Ronald Reagan
- Lesson 14: Moby Dick
- Lesson 15: Franklin Delano Roosevelt
- Lesson 16: Hunting in Louisiana



Reading Level III

Course Guide

- Lesson 1: Fiction: The Story of an Hour
- Lesson 2: Fiction: The Necklace
- Lesson 3: Science: An Elementary Study of Insects
- Lesson 4: Founding Document: The Second Inaugural Address
- Lesson 5: Social Science: Department of Transportation FAST Act
- Lesson 6: Social Science: Presidential Women's Equality Proclamation
- Lesson 7: Science: Priority Maps
- Lesson 8: Founding Document: The Declaration of Independence
- Lesson 9: The Hypocrisy of Slavery
- Lesson 10: Futurework from the U.S. Department of Labor
- Lesson 11: Social Science: The Masque of the Red Death
- Lesson 12: Science: Drug Resistance
- Lesson 13: Social Science: Remarks by Ronald Reagan
- Lesson 14: Founding Document: Wealth of Nations
- Lesson 15: Science: Bacteria
- Lesson 16: Fiction: The War Prayer





KNOW YOU CAN.