My Math Academy® Scope and Sequence: Pre-K Through 5th Grade

My Math Academy is grounded in research and aligned to rigorous mathematics standards. Skills and concepts are introduced in a clear, systematic progression that honors students' developmental stages. Instruction is designed to cover all essential topics in a logical sequence, moving from foundational to more advanced math skills, while addressing the needs of diverse learners. Students engage in recommended learning activities based on the interrelatedness of math skills, and extensive formative data collected during game play. Just-in-time scaffolding within these activities builds student confidence and helps them succeed with the least amount of supports possible. Skill review follows an adaptive, personalized progression, prioritizing each student's needs based on formative data collected in the software in real-time. This document provides an overview of the skills and concepts addressed in *My Math Academy*. The sequence of learning activities is personalized to students' strengths and challenges.

Pre-K

Early Numeracy	Geometry, Measurement and Data
Numeral recognition	Concept of shape
Count sequence (within 10)	Names of shapes
Counting objects	Attributes of shapes
Counting out	Length

Kindergarten

Numbers and Operations
Numeral recognition
Count sequence (within 20)
Count sequence starting from any number
Counting objects
Counting out
Count sequence backward
Count sequence (within 100)
Concept of addition
Count all
Count on
Concept of subtraction
Skip counting by 10s
Comparisons using objects
Comparisons with objects
Composition and decomposition of numbers

Geometry, Measurement and Data
Names of shapes
Attributes of shapes
Length

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Grade 1

Numbers and Operations
Count sequence (within 100)
Numeral recognition
Equality and inequality
Properties of operations
Relationship between addition and subtraction
Composition and decomposition of numbers
Part-part-whole
Concept of equations
Meaning of the equal sign
Concepts of subtraction
Addition (within 100)
Subtraction (within 100)
Modeling math facts
Addition and subtraction fact families
Addition and subtraction fact fluency

Geometry, Measurement and Data
Names of shapes
Attributes of shapes
Length

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Grade 1, Continued

Numbers and Operations
Number line, position and ordering of numbers
Number line addition and subtraction
Place value concepts
Place value with base ten blocks
Comparing 2-digit numbers
Addition and subtraction place value strategies
Skip counting by 2s and 5s
Hundred chart patterns

Grade 2

Numbers and Operations
Place value concepts
Place value with base ten blocks
Addition and subtraction place value strategies
Base ten addition
Base ten subtraction
Addition with the standard algorithm
Subtraction with the standard algorithm
Multi-addend addition
Addition and subtraction fact fluency
Addition (within 1000)
Subtraction (within 1000)
Skip Counting by 2s and 5s

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Grade 3

Numbers and Operations
Repeated addition
Multiplication concepts
Multiplication strategies
Properties of multiplication
Single digit multiplication
Relationship between multiplication and division
Single digit division strategies
Single digit division
Multiplication fact fluency
Place value concepts
Rounding numbers
Number patterns
Factors and multiples
Comparing multi-digit numbers

Fractions
Early fractions conceptions
Comparing fractions
Equivalent fractions
Fractions great than one
Fractions of a set
Fractions on a number line

Geometry, Measurement and Data
Shape attributes
Shape patterns
Time
Volume

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My Math Academy® Scope and Sequence: Grade 4

Grade 4

Numbers and Operations
Multiplicative comparisons
Multiplication fluency
Division fluency
Multiplying with multiples of 10, 100, 1000
Dividing with multiples of 10, 100, 1000
Estimating products
Estimating quotients
Multiplication with an area model
Division with an area model
Multi-digit multiplication using place value strategies
Factors and multiples
Counting (within millions)
Factors and multiples
Comparing multi-digit numbers
Reading and writing numbers to the millions place

Fractions
Mixed numbers
Fractions great than one
Fraction on a number line
Adding fractions
Subtracting fractions
Multiplying fractions
Dividing fractions

Geometry, Measurement and Data
Lines
Shape attributes
Area
Perimeter
Time
Volume

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Grade 4, Continued

Numbers and Operations
Place value to the millions place
Comparing multi-digit numbers
Regrouping numbers with up to 7 digits
Multi-digit addition with standard algorithm
Multi-digit subtraction with standard algorithm

Grade 5

Numbers and Operations
Multiplication with an area model
Counting (within millions)
Reading and writing numbers to the millions place
Regrouping adjacent and non-adjacent place values
Base ten understanding in multi-digit numbers
Number patterns
Decimal concepts
Decimal operations
Multi-digit division with place value strategies
Multiply by powers of 10 using patterns

Fractions
Adding fractions
Subtracting fractions
Multiplying fractions
Dividing fractions

Geometry, Measurement and Data
Shape attributes
Classify shapes
Coordinate plane
Volume

My Math Academy® Scope and Sequence
Appendix: State Standards Domain Alignments

Common Core Domain Alignments

Numbers and Operations
Counting and Cardinality (K only)
Operations and Algebraic Thinking (K–5)
Number and Operations in Base Ten (K–5)

Fractions
Number and Operations—Fractions (3–5)

Geometry, Measurement and Data
Measurement and Data (K–5)
Geometry (K–5)

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My Math Academy® Scope and Sequence
Appendix: State Standards Domain Alignments

TEKS Domain Alignments

Numbers and Operations
Number and Operations (K–5)
Algebraic Reasoning (K–5)

Fractions
Number and Operations—Fractions (3–5)

Geometry, Measurement and Data
Geometry and Measurement (K–5)
Data Analysis (K–5)
Personal Financial Literacy

TEXAS

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My Math Academy® Scope and Sequence
Appendix: State Standards Domain Alignments

Florida B.E.S.T. Domain Alignments

Numbers and Operations
Number Sense and Operations (K–5)
Algebraic Reasoning (K–5)
Number and Operations in Base Ten (K–5)

Fractions
Fractions (3–5)

Geometry, Measurement and Data
Measurement (K–5)
Geometric Reasoning (K–5)
Data Analysis and Probability (K–5)

FLORIDA

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My Math Academy® Scope and Sequence
Appendix: State Standards Domain Alignments

Virginia Standards of Learning (SOL) Domain Alignments

Numbers and Operations
Number and Number Sense (K–5)
Patterns, Functions, and Algebra (K–5)
Computation and Estimation (K–5)

Fractions
Computation and Estimation (K–5)

Geometry, Measurement and Data
Measurement and Geometry (K–5)
Probability and Statistics (K–5)

VIRGINIA

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My Math Academy® Scope and Sequence
Appendix: State Standards Domain Alignments

South Carolina College and Career Ready Standards for Mathematics (SCCCR) Domain Alignments

Numbers and Operations
Number Sense and Base Ten (K–5)
Algebraic Thinking and Operations (K–5)

Fractions
Number and Operations—Fractions (3–5)

Geometry, Measurement and Data
Measurement and Data (K–5)
Geometry (K–5)
Personal Financial Literacy (1–5)

SOUTH CAROLINA

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BCS-10575   20240924D01

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Appendix: State Standards Domain Alignments

Oklahoma Academic Standards (OAS) for Mathematics Domain Alignments

Numbers and Operations
Number and Operations (K–5)
Algebraic Reasoning and Algebra (K–5)

Fractions
Number and Operations—Fractions (3–5)

Geometry, Measurement and Data
Geometry and Measurement (K–5)
Data and Probability (K–5)

OKLAHOMA

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My Math Academy® Scope and Sequence
Appendix: State Standards Domain Alignments

New Jersey Student Learning Standards Domain Alignments

Numbers and Operations
Counting and Cardinality (K only)
Operations and Algebraic Thinking (K–5)
Number and Operations in Base Ten (K–5)

Fractions
Number and Operations—Fractions (3–5)

Geometry, Measurement and Data
Measurement and Data (K–5)
Geometry (K–5)

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