

Strategies To Achieve Mathematics Success— STAMS

Zero in on the most important skills to teach

All 16 skills and concepts covered in each grade level of **STAMS**[®] align to NCTM Focal Points and Connections and have been identified as the most important math skills students need to master to move on to the next grade level. Five-part lessons provide focus and depth on each topic. Lesson topics have been carefully sequenced so students move from basic skills to more complex content.

The skills from one grade level to the next grade level align, so you can easily move up or down to best meet each student's needs.

Grade 3 (Book C)

Place Value
Add and Subtract
Multiplication Concepts
Fact Strategies
More Fact Strategies
Division Concepts
Fact Families
Fraction Concepts
Model Equivalent Fractions
Benchmark Fractions
Compare Fractions
Fractions Greater than 1
Plane Shapes
Length
Perimeter
Picture Graphs and Bar Graphs

Grade 6 (Book F)

Multiply Whole Numbers by Fractions
Multiply Fractions by Fractions
Divide Whole Numbers by Fractions
Divide Fractions by Fractions
Compute with Powers of Ten
Multiply Decimals
Divide Decimals by Whole Numbers
Divide by Decimals
Understand Ratios
Understand Percent
Unit Rates
Ratios in Equations
Solve Equations with Number Sense
Solve Equations with Inverse Operations
Use Formulas
Volume

Grade 4 (Book D)

Multiplication Properties
Multiply Mentally
Multiply by 1-Digit Numbers
Multiply by 2-Digit Numbers
Relate Division to Multiplication
Divide without Regrouping
Divide with Regrouping
Equivalent Fractions
Simplify Fractions
Decimal Place Value
Compare and Order Decimals
Relate Decimals to Fractions
Angles
Understand Area
Area of Rectangles
Line Plots

Grade 7 (Book G)

Understand Integers
Add and Subtract Integers
Multiply and Divide Integers
Evaluate Expressions
Solve Linear Equations
Solve Rational Equations
Proportional Relationships
Solve Proportions
Rate Problems
Percent as a Ratio
Percent Problems
Similarity
Circles
Cylinders
Circle Graphs
Theoretical Probability

Grade 5 (Book E)

Multiply by 3-Digit Numbers
Divide Mentally
Estimate Quotients
1-Digit Divisors
Zeros in the Quotient
2-Digit Divisors
Understand Mixed Numbers
Add and Subtract Like Fractions
Compare Unlike Fractions
Add and Subtract Unlike Fractions
Add and Subtract Mixed Numbers
Add and Subtract Decimals
Area
Surface Area
Understand Volume
Line Graphs

Grade 8 (Book H)

Exponents
Square Roots
Solve Two-Step Equations
Solve Two-Step Rational Equations
Linear and Nonlinear Equations
Slope
Graph Linear Equations
Solve Systems Graphically
Solve Systems Algebraically
Special Pairs of Angles
Angle Sums
Triangle Similarity
Pythagorean Theorem
Distance Formula
Mean, Median, Range
Scatter Plots

Additional lessons for each grade level address Common Core Standards.