



### Understanding the Syllabus



**Journey** - The standards-based ST Math objectives assigned and sequenced by default for the grade level. (# of puzzles)



**Bonus Journey** - The ST Math objectives that students play automatically after completing their journey. It includes opportunities for extension and additional practice.



**Optional** - These objectives are not part of the Journey, Teachers must assign them for students to play.

#### Pre-Kindergarten

- ▲ Technology Interaction (27)
- ▲ Getting to know JiJi (36)
- ▲ Focus Building (18)
- ▲ Shape Features(42)
- ▲ Intro to Patterns (18)
- ▲ Number Sense to 3 (34)
- ▲ Grids, Sorting and Classifying (19)
- ▲ Number Sense to 7 (89)

- ▲ Subitizing to 3 (28)
- ▲ Spatial Position (18)
- ▲ Two-Dimensional Grids (64)
- ▲ Number sense to 10 (90)
- ▲ Subitizing to 5 (35)
- ▲ Geometry (49)
- ▲ Comparing Quantities (49)
- ▲ Measurement (62)

- ▲ Addition and Subtraction (52)
- ▲ Patterns (31)
- △ Challenge PK(223)

#### Transitional Kindergarten

- ▲ Technology Interaction (27)
- ▲ Getting to know JiJi (36)
- ▲ Focus Building (18)
- ▲ Shape Features (42)
- ▲ Intro to Patterns (18)
- ▲ Grids, Sorting and Classifying (19)
- ▲ Number Sense to 5 (96)
- ▲ Spatial Position (45)
- ▲ Two-Dimensional Grids (88)

- ▲ Number Sense to 10 (90)
- ▲ Subitizing to 5 (35)
- ▲ Geometry (64)
- ▲ Comparing Quantities (49)
- ▲ Comparing Numbers to 5 (41)
- ▲ Grids, Sorting and Classifying Advanced (58)
- ▲ Measurement (89)
- ▲ Addition and Subtraction (105)
- ▲ Number Pairs to 5 (66)

- ▲ Patterns (31)
- △ Challenge K (223)

#### Kindergarten

- ▲ Numbers and Objects to 5 (117)
- ▲ Subitizing (94)
- ▲ Numbers and Objects to 10 (184)
- ▲ Exploring Shapes (85)
- ▲ Greater Than, Less Than, Equal To (81)
- ▲ Understanding Addition and Subtraction within 5 (147)
- ▲ Composing Shapes(86)
- ▲ Understanding Addition & Subtraction within 10 (176)
- ▲ Making 10 and Number Pairs (101)

- ▲ Numbers and Objects to 20 (92)
- ▲ Comparing Numbers (128)
- ▲ Counting to 100 (92)
- ▲ Foundations of Place Value (144)
- ▲ Measurable Attributes (91)
- ▲ Addition and Subtraction Facts within 5 (78)
- ▲ Sorting and Classifying (82)
- ▲ Analyzing Shapes (100)
- ▲ Position (50)

- △ MathChallenge K(286)
- △ Mixed Review K part 1 (238)
- △ Mixed Review K part 2 (273)
- △ Mixed Review K part 3 (298)
- △ Challenge K(303)
- △ Exploring Patterns (28)
- △ Advanced Patterns (111)
- △ Position Symbolic (154)
- ▲ Technology Interaction (27)

## Grade 1

- ▲ Addition and Subtraction Within 10 (294)
- ▲ Measurement Concepts (94)
- ▲ Number Pairs and Making 10 (78)
- ▲ Ten as a unit (148)
- ▲ Addition and Subtraction within 20 (172)
- ▲ Addition and Subtraction with Unknowns (162)
- ▲ Addition, Subtraction and Equations (146)
- ▲ Composite Shapes (84)
- ▲ Place Value Concepts (114)
- ▲ Bundles to 100 (68)
- ▲ Counting to 120 (130)
- ▲ Comparing Two-Digit Numbers (79)
- ▲ Adding and Subtracting by Tens (112)
- ▲ Equal Shares and Partitioning (92)
- ▲ Shape Differences (66)
- ▲ Organizing Data (103)
- ▲ Telling Time (84)
- △ Math Challenge 1 (269)
- △ Mixed Review Grade 1 Part 1 (286)
- △ Mixed Review Grade 1 Part 2 (232)
- △ Mixed Review Grade 1 Part 3 (289)
- △ Challenge 1 (346)
- △ Equal Shares and Partitioning Symbolic (60)
- △ Two-Digit Number Words (88)
- ▲ Addition and Subtraction Facts (274)

## Grade 2

- ▲ Skip Counting (51)
- ▲ Addition and Subtraction Situations (172)
- ▲ One Hundred as a Unit (142)
- ▲ The Number Line (106)
- ▲ Addition and Subtraction Situations within 100 (122)
- ▲ Place Value to 1,000 (84)
- ▲ Counting to 1,000 (64)
- ▲ Comparing Three-Digit Numbers (95)
- ▲ Operations on the Number Line (80)
- ▲ Measurement (72)
- ▲ Adding and Subtracting Tens and Hundreds (78)
- ▲ Place Value Bundles to 1,000 (126)
- ▲ Two-Step Situations (78)
- ▲ **Two-Digit** Addition and Subtraction (88)
- ▲ Addition and Subtraction with Measurement (42)
- ▲ Intro to Arrays (104)
- ▲ Even and Odd Numbers (156)
- ▲ Partitioning into Equal Shares (42)
- ▲ Model Subtraction and Subtraction within 1,000 (86)
- ▲ Time (148)
- ▲ Shapes (122)
- ▲ Money (121)
- ▲ Creating Graphs (94)
- △ Line Plots (36)
- △ Math Challenge 2 (219)
- △ Mixed Review Grade 2 Part 1 (233)
- △ Mixed Review Grade 2 Part 2 (210)
- △ Mixed Review Grade 2 Part 3 (160)
- △ Challenge 2 (413)
- △ Money, Extended (107)
- △ Two-Digit Number Words (88)
- △ Partitioning Symbolic (104)
- ▲ Addition and Subtraction Facts (274)

## Grade 3

- ▲ Multiplication Concepts (74)
- ▲ Division Concepts (79)
- ▲ Multiplication and Division Relationships (147)
- ▲ Rounding Three-Digit Numbers (72)
- ▲ Addition and Subtraction within 1000 Strategies (150)
- ▲ Composing and Decomposing within 1000 (72)
- ▲ Multiplication and Area (78)
- ▲ Properties of Multiplication (116)
- ▲ Multiplication Facts and Strategies (63)
- ▲ Division Facts and Strategies (87)
- ▲ Fraction Concepts (122)
- ▲ Fractions on the Number Line (78)
- ▲ Fraction Equivalence and Ordering (84)
- ▲ Number Patterns (34)
- ▲ Mass and Volume (74)
- ▲ Solve Two-Step Problems (60)
- ▲ Area and Perimeter (66)
- ▲ Time to the Minute (86)
- ▲ Intervals of Time (114)
- ▲ Scale and Measurement in Graphing (59)
- ▲ Line Plots (35)
- ▲ Shape Attributes (48)
- △ Math Challenge 3 (208)
- △ Mixed Review Grade 3 Part 1 (186)
- △ Mixed Review Grade 3 Part 2 (231)
- △ Challenge 3 (414)
- △ Patterns and Functions (143)
- △ Temperature and Capacity (92)
- △ Place Value Bundles - Ten, Hundred, Thousand (202)
- △ Cognitive Training (18)
- ▲ Multiplication and Division Facts (262)
- ▲ Addition and Subtraction Facts (274)

## Grade 4

- ▲ Place Value (98)
- ▲ Rounding Whole Numbers (12)
- ▲ Comparing Whole Numbers (42)
- ▲ Addition and Subtraction Algorithm (56)
- ▲ Multi-Step Addition & Subtraction Problems (56)
- ▲ Multiplicative Comparison (40)
- ▲ Factors and Multiples (56)
- ▲ Patterns (57)
- ▲ Multi-Step Problems Using 4 Operations (94)
- ▲ Applying Area and Perimeter (42)
- ▲ Mixed Numbers (136)
- ▲ Fraction Equivalence (141)
- ▲ Addition and Subtraction with Fractions (179)
- ▲ Fraction Multiplication (96)
- ▲ Decimal Fractions (111)
- ▲ Comparing Decimals (68)
- ▲ Lines and Angles (135)
- ▲ Lines of Symmetry (46)
- ▲ Classifying Shapes (40)
- ▲ Measurement and Conversions (132)
- ▲ Multi-Digit Multiplication (98)
- ▲ Multi-Digit Division (82)
- ▲ Line Plots and Range (20)
- △ Math Challenge 4 (258)
- △ Mixed Review Grade 4 Part 1 (263)
- △ Mixed Review Grade 4 Part 2 (233)
- △ Mixed Review Grade 4 Part 3 (259)
- △ Challenge 4 (320)
- △ Cognitive Training (18)
- ▲ Multiplication and Division Facts (293)
- ▲ Addition and Subtraction Facts (274)

## Grade 5

- ▲ Decimal Place Value (120)
- ▲ Comparing with Decimals (52)
- ▲ Rounding Decimals (46)
- ▲ Interpret Expressions (82)
- ▲ Patterns and Relationships (95)
- ▲ Multiplication Algorithm (111)
- ▲ Division Algorithm Strategies (68)
- ▲ Addition and Subtraction with Decimals (60)
- ▲ Multiplying Decimals (48)
- ▲ Dividing Decimals (86)
- ▲ Common Denominators and Equivalent Fractions (57)
- ▲ Adding and Subtracting Fractions with Unlike Denominators (258)
- ▲ Multiplying Fractions (216)
- ▲ Dividing Fractions (56)
- ▲ Volume (91)
- ▲ Converting Measurements (130)
- ▲ The Coordinate Plane (124)
- ▲ Line Plots Decimals and Mean (27)
- ▲ Classifying Shapes (54)
- ▲ Math Challenge 5 (304)
- ▲ Mixed Review Grade 5 Part 1 (233)
- ▲ Mixed Review Grade 5 Part 2 (236)
- ▲ Mixed Review Grade 5 Part 3 (161)
- ▲ Challenge 5 (327)
- ▲ Cognitive Training (18)
- ▲ Multiplication and Division Facts (293)
- ▲ Addition and Subtraction Facts (274)

## Grade 6

- ▲ Negative Numbers (121)
- ▲ Coordinates and Distances (121)
- ▲ Proportional Reasoning (251)
- ▲ Percents (225)
- ▲ Unit Rates, Tables, and Graphs (149)
- ▲ Fraction Division (281)
- ▲ Properties of Operations (109)
- ▲ Division Algorithm (154)
- ▲ Modeling with Expressions (129)
- ▲ Solving One-Step Equations (155)
- ▲ Linear Relationships (108)
- ▲ Exponents (216)
- ▲ Decimal Addition and Subtraction (75)
- ▲ Decimal Multiplication (161)
- ▲ Decimal Division (59)
- ▲ Area of Polygons (172)
- ▲ Line Plot Intro and Histograms (61)
- ▲ Line Plots and Summary Statistics (134)
- ▲ Challenge 6 (327)
- ▲ Cognitive Training (18)
- ▲ Applying Rates and Ratios (102)
- ▲ Graphing Proportional Relationships (140)
- ▲ Summer Bridge Grade 6 (207)
- ▲ Multiplication and Division Facts (293)
- ▲ Addition and Subtraction Facts (274)

