



### Understanding the Syllabus



**Default Objectives** - The standards-based ST Math objectives assigned and sequenced by default for the grade level. Default objectives must be completed (exception is Challenge) for students to attain 100% Syllabus Progress.



**Optional Objectives** - The ST Math objectives that include opportunities for extension, intervention and additional practice. The teacher may assign these optional objectives, however, they do not count toward the student's Syllabus Progress or Standards Mastery.

### Kindergarten

- |   |  |                             |
|---|--|-----------------------------|
| ▲ Exploring Shapes                                | ▲ Exploring Patterns                               | ▲ Position                  |
| ▲ Numbers and Objects to 5                        | ▲ Introduction to the Number Line                  | ▲ Reasoning with Attributes |
| ▲ Subitizing                                      | ▲ Comparing Numbers                                | ▲ Advanced Patterns         |
| ▲ Numbers and Objects to 10                       | ▲ Understanding Addition and Subtraction within 10 | ▲ Challenge                 |
| ▲ Analyzing Shapes                                | ▲ Making 10 and Number Pairs                       | △ Position LI               |
| ▲ Greater Than, Less Than, Equal To               | ▲ Numbers to 30                                    | △ Composing Shapes          |
| ▲ Understanding Addition and Subtraction within 5 | ▲ Sorting and Classifying                          |                             |
| ▲ Numbers and Objects to 20                       | ▲ Measurable Attributes                            |                             |

### Grade 1

- |                                       |   |                           |
|---------------------------------------|---|---------------------------|
| ▲ Introduction to the Number Line     | ▲ Place Value Concepts                              | ▲ Organizing Data         |
| ▲ Counting to 100                     | ▲ Number Pairs and Making 10                        | ▲ Telling Time            |
| ▲ Subitizing                          | ▲ Addition and Subtraction Situations with Unknowns | ▲ Money                   |
| ▲ Addition and Subtraction within 10  | ▲ Measurement Concepts                              | ▲ Challenge               |
| ▲ Addition, Subtraction and Equations | ▲ Patterns  | △ Two-Digit Number Words  |
| ▲ Foundations of Place Value          | ▲ Shape Differences                                 | △ Sorting and Classifying |
| ▲ Counting by Tens                    | ▲ Composite Shapes                                  | △ Position                |
| ▲ Roll, Stack, Wedge                  | ▲ Adding and Subtracting by Tens                    | △ Position LI             |
| ▲ Counting with Groups                | ▲ Comparing Two-Digit Numbers                       |                           |
| ▲ Counting to 120                     | ▲ Skip Counting                                     |                           |

### Grade 2

- |  |  |  |
|--|--|--|
| ▲ Introduction to the Number Line                | ▲ Place Value Concepts                     | ▲ Time                                     |
| ▲ Skip Counting                                  | ▲ Comparing Three-Digit Numbers            | ▲ Addition and Subtraction Facts within 20 |
| ▲ Counting with Groups                           | ▲ Adding and Subtracting Tens and Hundreds | ▲ Addition and Subtraction within 100      |
| ▲ Addition and Subtraction Situations            | ▲ Using Place Value to Add and Subtract    | ▲ Challenge                                |
| ▲ Measurement                                    | ▲ Counting to 1,000                        | △ Three-Digit Number Words                 |
| ▲ Operations on the Number Line                  | ▲ Place Value Bundles - Ten and Hundred    | △ Rows and Columns                         |
| ▲ Identifying Shapes                             | ▲ Regrouping Concepts in Addition          | △ Position                                 |
| ▲ Recognizing Shape Attributes                   | ▲ Regrouping Concepts in Subtraction       | △ Position LI                              |
| ▲ Addition and Subtraction Situations within 100 | ▲ Creating Graphs                          |  |
| ▲ Two-Step Situations                            | ▲ Money                                    |  |

## Grade 3

- Equal Group
- Partitioning
- Place Value Concepts
- Rounding Three-Digit Numbers
- Addition and Subtraction
- Multiplication Concepts
- Division Concepts
- Fraction Concepts
- Fractions on the Number Line
- Comparing Fractions
- Multiplication
- Number Patterns
- Division
- Place Value Bundles - Ten, Hundred, Thousand
- Addition and Subtraction with Regrouping
- Multiplication and Division Relationships
- Concepts of Area and Perimeter
- Scale and Measurement in Graphing
- Multiplication and Division Situations
- Shapes
- Parallel Lines and Parallelograms
- Time to the Minute
- Intervals of Time
- Addition and Subtraction within 1,000
- Money
- Temperature and Capacity
- Challenge
- Shape Attributes
- Operations on the Number Line
- Money, Extended
- Counting with Groups

## Grade 4

- Multiplication Concepts
- Division Concepts
- Lines of Symmetry
- Exploring Lines and Shapes
- Patterns in Number and Shape
- Unknowns in Two-Step Problems
- Place Value
- Using Place Value
- Comparing Whole Numbers
- Addition and Subtraction with Regrouping
- Multiplication
- Multi-Digit Multiplication
- Multi-Digit Division
- Angles and Triangles
- Applying Area and Perimeter
- Multiple Operations
- Mixed Numbers
- Fractions - Equivalence and Ordering
- Adding and Subtracting Fractions
- Fraction and Decimal Equivalence
- Comparing Decimals
- Fractions on the Number Line
- Using Data and Graphs
- Challenge
- Rounding Whole Numbers
- Adding and Subtracting Fractions LI
- Temperature and Capacity

## Grade 5

- Volume
- The Coordinate Plane
- Shapes and Properties
- Using Parentheses
- Patterns and Relationships
- Multiple Operations
- Multi-Digit Multiplication
- Multi-Digit Division
- Fraction and Decimal Concepts
- Fractions on the Number Line
- Decimal Place Value
- Comparing with Decimals
- Rounding Decimals
- Addition and Subtraction with Decimals
- Area
- Angles
- Variables and Equations
- Range and Mean, Median, Mode
- Using Data and Graphs
- Adding and Subtracting Fractions
- Adding and Subtracting Fractions LI
- Challenge
- The Coordinate Plane, Extended
- Addition and Subtraction with Regrouping
- Whole Numbers
- The Number Line

## Grade 6

- Negative Numbers
- Coordinates and Distances
- Proportional Reasoning
- Percents
- Unit Rates, Tables and Graphs
- Applying Rates and Ratios
- Factors and Multiples
- Properties of Operations
- Using Parentheses
- Solving One-Step Equations
- Linear Relationships
- Exponents
- Division Algorithm
- Fraction Division
- Decimal Addition and Subtraction
- Decimal Multiplication
- Decimal Division
- Mean, Median, Mode, and Range
- Challenge
- Visual Fraction Concepts
- Fractions on the Number Line
- Comparing and Equivalent Fractions
- Fraction Addition and Subtraction
- Fraction Multiplication
- Fraction Decimal Equivalence
- Decimal Place Value