



### Middle School

#### Understanding the Syllabus



**Journey** - The standards-based ST Math objectives assigned and sequenced by default for the grade level.



**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.

#### Grade 6

▲ Negative Numbers

▲ Coordinates and Distances

▲ Proportional Reasoning

▲ Percents

▲ Unit Rates, Tables, and Graphs

▲ Addition and Subtraction with Negative Numbers

▲ Multiplication with Negative Numbers

▲ Fraction Division

▲ Division Algorithm

▲ Properties of Operations

▲ Using Parentheses

▲ Solving One-Step Equations

▲ Linear Relationships

▲ Exponents

▲ Decimal Multiplication

▲ Decimal Division

▲ Relationship Graphs

▲ Area of Polygons

▲ Line Plot Intro and Histograms

▲ Line Plots and Summary Statistics

▲ Applying Rates and Ratios

△ Challenge

△ Summer Bridge Grade 6

▲ Multiplication Division Facts

▲ Addition Subtraction Facts

#### Grade 7

▲ Rational Concepts

▲ Adding and Subtracting Rational Numbers

▲ Multiplying and Dividing Rational Numbers

▲ Proportional Relationships

▲ Percents with Increases and Decreases

▲ Units, Rates, Tables, and Graphs

▲ Properties of Operations

▲ Using Parentheses

▲ Solving One-Step Equations

▲ Solving Two-Step Equations

▲ Linear Relationships

▲ Multi-Step Percents

▲ Applying Rates and Ratios

▲ Relationship Graphs

▲ Polygon Angle Sums

▲ Probability

▲ Line Plots and Summary Statistics

△ Challenge

△ Summer Bridge Grade 7

▲ Multiplication and Division Facts

▲ Addition and Subtraction Facts

#### Grade 8

▲ Rational Concepts

▲ Unit Rates, Tables, and Graphs

▲ Solving One-Step Equations

▲ Solving Two-Step Equations

▲ Solving Linear Equations

▲ Exponents and Squares

▲ Relationship Graphs

▲ Linear Relationships

▲ Graphing Linear Functions

▲ Line Plots and Summary Statistics

△ Challenge

△ Summer Bridge Grade 8

▲ Multiplication and Division Facts

▲ Addition and Subtraction Facts

▲ Factoring Quadratics

▲ Parabolas and Quadratic Functions

▲ Percent Growth

