NorthSouth Elementary Math (Junior) Learning Objectives

Week 1
- Students will be able to categorize numbers into integers, whole numbers, negative numbers, consecutive numbers, even numbers and odd numbers.
- Students will learn how to use place values, convert between the word form and numerical form of numbers, compare number values and be able to write out sets of numbers in ascending or descending value.
- Students will be able to use grouping of objects in math problems.

Week 2
- Students will be able to differentiate between ordinal and cardinal numbers and be able to apply that to word problems.

Week 3
- Students will be able to add any combination of two one-digit, two-digit, or three-digit numbers together.
- Students will learn the commutative property of addition and be able to apply addition of multi-digit numbers to word problems.

Week 4
- Students will be able to: subtract one-digit numbers from one-digit, two-digit, and three-digit numbers; be able to subtract two-digit numbers from two-digit and three-digit numbers; be able to subtract three-digit numbers from three-digit numbers.
- Students will be able to use regrouping to solve subtraction problems.

Week 5
- Students will be able to multiply one-digit numbers by one-digit numbers and be able apply multiplication to word problems.

Week 6
- Students will be able to divide two-digit and one-digit numbers by one-digit numbers and apply division to word problems.

Week 7
- Students will be able to measure the lengths of objects in multiple units of length and be able to compare lengths and apply that information to word problems.

Week 8
- Students will be able to use the US Customary System and Metric System to measure the weight of objects and to solve word problems.

Week 9
- Students will be able to measure volume/capacity using the US Customary System and Metric System and be able to apply it to word problems.

Week 10
- Students will learn to read time from both analog and digital clocks and be able to express time in multiple forms and apply that information to word problems.
- Students will be able to add and subtract time and apply that information to word problems.

Week 11
- Students will be able to add, subtract, and express the value of money in dollars and cents and apply that information to word problems.

Week 12
- Students will understand the parts of a fraction and be able to apply that to word problems.
- Students will understand what fractions are and be able to apply that knowledge to word problems.

Week 13
- Students will be able to identify what 3-D shapes, polyhedrons, 2-D shapes, lines, vertices, and polygons are and be able to identify them.
- Students will be able to compare 2-D and 3-D shapes' characteristics.

Week 14
- Students will be able to determine if a series of shapes contains a pattern and what that pattern is.
- Students will be able to determine simple number patterns.

Week 15
- Students will be able to read and create picture graphs, use tally marks, and answer questions based off of graphs and tally marks.