



2nd Grade Mathematics Curriculum

Welcome to ACE's Tutoring LLC's 2nd Grade Mathematics sessions. These sessions are conducted in hourly increments and will provide both enlightenment and enrichment for 2nd Grade Mathematics. At the end of these sessions, the student may be assigned a worksheet that will further their understanding of any of the offered topics. At this tutoring firm, the goal is to ensure that the enrolled student receives a letter grade of a B or higher and have a deeper understanding of the following topics:

- **ALGEBRAIC THINKING/OPERATIONS**
 - Representing and solving problems that include addition and subtraction.
 - Adding and subtracting numbers between 0 and 20
 - Working with objects that will serve as tools for introducing multiplication.
 - Understanding the different between even and odd numbers
 - Using addition to understand rectangular arrays with up to 5 rows and 5 columns
 - **Heart Stamp Assessment** ♥
- **NUMBER AND OPERATIONS IN BASE TEN**
 - Basic understanding of place value (ones, tens and hundreds)
 - Bundling place values together (i.e. 453 is 4 hundreds , 5 tens and 3 ones)
 - Writing numbers in expanded form
 - Counting forwards and backwards within 1,000 by ones , tens and hundreds
 - Comparing numbers with 'less than' , 'greater than' and 'equal to' by using their respective symbols: < , > , and = .
 - Addition and subtraction via the usage of place values
 - Add/subtract number within 1,000.
 - Mentally add/subtract 10 or 100 to a given number between 100 and 900.
 - **Diamond Stamp Assessment** ♦
- **MEASUREMENTS AND DATA**
 - Measuring and estimating length using basic units (inches, feet, yards and centimeters)
 - Estimating lengths using inches , feet , centimeters and meters.

- Measure the length of objects using rulers , yardsticks , meter sticks and measuring tapes
- Relating addition and subtraction with length
 - Utilizing addition and subtraction into real-world scenarios.
- Telling time and recreating the minute and hour hands of a clock given a time
- Counting money and relating to real world problems
 - Identify pennies , nickels , dime and quarters via name and value
 - Find value of a collection of coins
- Representing and interpreting data
- Club Stamp Assessment ♣
- **GEOMETRY**
 - Introduction of common shapes and their attributes
 - Introducing triangles, quadrilaterals, pentagons and hexagons based on sides and vertices.
 - Identify cubes , rectangular prisms , cones and cylinders.
 - Partitioning circles and rectangles into equal shares and being able to use the phrases, ‘half of’ , ‘third of’ , and ‘fourth of’.
 - Spade Stamp Assessment ♠

For in class settings, worksheets, activities and projects will be incorporated within these topics for the enrolled student(s) to achieve a better understanding. A prize system will also be established for any student who excels in these topics. If you have any questions, please feel free to contact our company email acestutoringllc@gmail.com.

Thank you and we hope to see you at our sessions!