

Course Curriculum: Grade 2 Math

Welcome to Grade 2 Mathematics! This course is designed to build a strong foundation in fundamental math concepts for second-grade students, creating a deeper understanding that sets the stage for future learning.

In this course, students will use the four operations - addition, subtraction, multiplication, and division - to solve simple word problems. They will be introduced to place values up to hundreds, allowing them to understand the importance of the position of digits in a number. The course also includes work on basic fractions, teaching students to visualize and compare halves and quarters.

The concept of measuring lengths will be introduced, teaching them to use standard and non-standard units of measurement. Students will expand their knowledge on geometry, by identifying and describing various shapes and their attributes.

Further, to make learning more fun and effective, the course features a variety of engaging activities such as math games, puzzles, and interactive exercises. These activities not only make math enjoyable but also help students understand concepts better by applying them in different contexts.

Throughout the course, students will develop problem-solving skills, critical thinking abilities, and a love for math, which will be an incredible asset for them in their later academic years.

In conclusion, Grade 2 Mathematics course is all about making maths fun and interactive for students while ensuring they build a solid foundation in key mathematical concepts.

The table below clarifies the course content, the chapters and the main skills in each chapter:

#	Chapter	Skills
1	Chapter One: Numbers up to 999	• Reading & writing numbers, • Comparing numbers and arranging them in increasing and decreasing orders, • Distinguishing between even and odd numbers, • Identifying even and odd numbers on a number line, • Skip counting (ones, twos, threes, fives, tens), • Backward skip counting
2	Chapter Two: Fractions & Geometry	• Fractions and representing them using symbols and words, • Determining directions (right, left, up, down, under, over, inside, outside), • Determining objects' positions relative to each other, patterns, unit for patterns, • Completing an incomplete pattern, two dimensional shapes (square, rectangle, circle, triangle),

		• Describing two dimensional shapes based on the number of sides and vertices, • Three dimensional shapes (cube, pyramid, rectangular prism, sphere, cylinder, cone), • Describing figures based on the number of faces, the shape, number of sides and vertices
3	Chapter Three: Addition up to 999	• Mental addition, • Addition without regrouping and • Addition with regrouping using the vertical and horizontal methods
4	Chapter Four: Subtraction up to 999	• Subtraction without regrouping • Subtraction with regrouping using the vertical and horizontal methods
5	Chapter Five: Multiplication	• Continuous addition & multiplication, • Multiplication facts (1, 3, 4, 2, 5, 10) • Real life multiplication problems
6	Chapter Six: Division	• Division and its sign, • Relating multiplication and division, • Checking if the quotient is correct, • Solving word problems related to division
7	Chapter Seven: Time	• Measuring lengths using non-standard units, • Standard units for measuring lengths • Distinguishing between the types of clocks, • Reading an hour, a quarter of an hour, a half hour and three quarters of an hour, • Distinguishing between the minute hand and the hour hand, • Calculating the time needed to complete daily activities and identifying certain time events (longer time, less time)