TASIS PORTUGAL

ELEMENTARY SCHOOL CURRICULAR PROGRESSION · GRADES 1–5

Mathematics · Grades 1–2

Singapore Math | Math in Focus 2020

Focus: concepts and skill development through hands-on instruction and practice: basic facts, place value, mental math and geometry concepts.

Grade 1

- Group objects and numbers up to 120 in tens and ones
- Use number bonds to represent number combinations
- Count by 1s and 10s forward and backward to 100
- Compare and order numbers to 100
- Use base-ten blocks to represent numbers to 120
- Understand that dividing a shape into more equal shares makes smaller shares
- Identify coin values (American and EU)
- Add and subtract two-digit numbers with and without regrouping
- Solve addition and subtraction problems using basic facts
- Find the total number of items in equal groups
- Use mental math strategies to add and subtract
- Identify and extend growing and repeating patterns
- Use the Associative and Commutative Properties of Addition
- Use a variety of concrete, pictorial and symbolic models for addition and subtraction
- Write addition and subtraction number sentences
- Identify real-world 2D shapes
- Sort and classify 2D shapes based on attributes
- Measure and compare lengths and weights
- Read a calendar to identify days of the week, months and seasons
- Tell time in hours and half hours on an analog clock
- Collect and organize data to tally and make picture graphs
- Apply and explain the problem-solving process

Grade 2

- Group objects and numbers up to 1,000 into hundreds, tens and ones
- Use base-ten blocks to create equivalent representations of numbers
- Count by 1s, 10s and 100s to 1,000
- Compare and order numbers to 1,000
- Use base-ten blocks to represent numbers to 1,000
- Partition circles and rectangles into unit fractions: halves, thirds and fourths
- Identify bill values (American and EU)
- Add and subtract whole numbers to 1,000
- Solve multi-digit addition and subtraction problems using a bar model
- Multiply and divide with 2, 3, 4, 5 and 10
- Solve fact problems
- Use mental math strategies to add and subtract
- Identify rules for number patterns
- Understand that addition and subtraction are inverse operations
- Use the Distributive Property as a multiplication strategy
- Identify odd and even numbers
- Use a variety of concrete, pictorial and symbolic models for addition, subtraction, multiplication and division
- Determine the value of missing quantities in number sentences
- Use > and < to write number sentences
- Identify lines, curves, triangles, quadrilaterals, pentagons, hexagons and cubes
- Identify and classify 3D shapes
- Use rulers to measure length in cm, m, in and ft
- Measure and compare weight
- Tell time to the nearest five minutes
- Collect, organize and interpret data using a variety of graphs
- Apply and explain the problem-solving process