

Curriculum Framework

Primary 1

Chapter 1

- **Numbers to 10**
 - Counting to 10
 - Comparing Numbers

Chapter 2

- **Number Bonds**
 - Number Bonds
 - Addition Stories

Chapter 3

- **Subtraction**
 - Number Bonds
 - Subtraction Stories
 - Family of Facts

Chapter 4

- **Ordinal Numbers**
 - Naming Positions
 - Positions from Left and Right

Chapter 5

- **Shapes**
 - Common Shapes
 - Grouping Shapes
 - Half Circle and Quarter Circle
 - Forming Shapes
 - Copying Figures

Chapter 6

- **Numbers to 20**
 - Counting to 20
 - Tens and Ones
 - Comparing and Ordering Numbers
 - More Than and Fewer Than

Chapter 7

- **Addition and Subtraction Within 20**
 - Methods of Addition
 - Methods of Subtraction

Chapter 8

- **Picture Graphs**
 - Making and Reading Picture Graphs

Chapter 9

- **Numbers to 100**
 - Counting to 100
 - Number Patterns
 - Comparing and Ordering Numbers
 - More Than and Fewer Than

Chapter 10

- **Addition and Subtraction Within 100**
 - Addition Without Renaming
 - Addition with Renaming
 - Addition of Three Numbers
 - Subtraction Without Renaming
 - Subtraction with Renaming
 - Word Problems

Chapter 11

- **Money**
 - Counting Amounts of Money
 - Exchanging Money
 - Comparing Amounts of Money
 - Adding and Subtracting Money
 - Word Problems

Chapter 12

- **Length**
 - Measuring Length in Centimetres
 - Comparing and Ordering Lengths
 - Comparing and Ordering Lengths in Centimetres
 - Curves and Straight Lines

Chapter 13

- **Multiplication**
 - Adding Equal Groups
 - Multiplication Stories
 - Word Problems

Chapter 14

- **Division**
 - Equal Sharing
 - Equal Grouping
 - Word Problems

Chapter 15

- **Time**
 - Telling Time to the Hour
 - Telling Time to 5 Minutes
 - Telling Time Using am and pm
 - Duration of One Hour and Half an Hour

Primary 2

Chapter 1

- **Numbers to 1000**
 - Counting to 100
 - Counting to 1000
 - Hundreds, Tens and Ones
 - Comparing and Ordering Numbers
 - Number Patterns
 - Odd and Even Numbers

Chapter 2

- **Addition and Subtraction Within 1000**
 - Addition and Subtraction
 - Addition Without Renaming
 - Addition with Renaming
 - Subtraction Without Renaming
 - Subtraction with Renaming
 - Word Problems

Chapter 3

- **Length**
 - Measuring Length in Metres
 - The Metre
 - Comparing and Ordering Lengths
 - Word Problems

Chapter 4

- **Multiplication and Division**
 - Multiplication
 - Division
 - Equal Sharing
 - Equal Grouping

Chapter 5

- **Multiplication Tables of 2, 5 and 10**
 - Multiplication Table of 2
 - Multiplying and Dividing by 2
 - Multiplication Table of 5
 - Multiplying and Dividing by 5
 - Multiplication Table of 10
 - Multiplying and Dividing by 10

Chapter 6

- **Mass**
 - Measuring Mass in Kilograms
 - Measuring Mass in Grams
 - Comparing and Ordering Masses
 - Word Problems

Chapter 7

- **Time**
 - Telling Time to the Minute
 - Measuring Time in Hours and Minutes
 - Converting Time

Chapter 8

- **More Word Problems**
 - 2-Part Word Problems
 - 2-Step Word Problems

Chapter 9

- **Multiplication Tables of 3 and 4**
 - Multiplication Table of 3
 - Multiplying and Dividing by 3
 - Multiplication Table of 4
 - Multiplying and Dividing by 4

Chapter 10

- **Money**
 - Dollars and Cents
 - Writing Amounts in Dollars and Cents
 - Converting Money
 - Comparing Amounts of Money
 - Word Problems

Chapter 11

- **Fractions**
 - Halves and Quarters
 - Naming Fractions
 - Comparing and Ordering Fractions with the same Denominator
 - Comparing and Ordering Fractions with the same Numerator
 - Addition and Subtraction of Fractions

Chapter 12

- **Volume**
 - Volume
 - Comparing and Ordering Volumes in Litres
 - Word Problems

Chapter 13

- **Picture Graphs**
 - Making Picture Graphs
 - Tally Chart

Chapter 14

- **Shapes**
 - Making Patterns with Shapes
 - 3-Dimension Shapes
 - Getting to know 3-Dimension Shapes
 - Building Figures with 3-Dimension Shapes
 - Making Patterns with 3-Dimension Shapes

Primary 3

Chapter 1

- **Numbers to 10 000**
 - Counting to 10 000
 - Place Values
 - Comparing and Ordering Numbers
 - Number Patterns

Chapter 2

- **Addition and Subtraction**
 - Sum and Difference
 - Addition
 - Subtraction
 - Mental Calculation
 - Word Problems

Chapter 3

- **Money**
 - Making up \$1, \$10 or \$100
 - Adding Money
 - Subtracting Money
 - Word Problems

Chapter 4

- **Multiplication Tables of 6, 7, 8 and 9**
 - Multiplication Table of 6
 - Multiplying and Dividing by 6
 - Multiplication Table of 7
 - Multiplying and Dividing by 7
 - Multiplication Table of 8
 - Multiplying and Dividing by 8
 - Multiplication Table of 9
 - Multiplying and Dividing by 9

Chapter 5

- **Multiplication and Division**
 - Multiplication
 - Division without Remainder
 - Division with Remainder
 - Word Problems

Chapter 6

- **Bar Graphs**
 - Bar Graphs
 - Clustered Bar Graphs

Chapter 7

- **Angles**
 - Concept of Angles
 - Acute angles, Right Angles and Obtuse Angles

Chapter 8

- **Perpendicular and Parallel Lines**
 - Perpendicular lines
 - Drawing Perpendicular Lines
 - Parallel Lines
 - Drawing Parallel Lines
 - Horizontal and Vertical Lines

Chapter 9

- **Fractions**
 - Understanding Equivalent Fractions
 - Finding Equivalent Fractions
 - Simplifying Fractions
 - Comparing and Ordering Fractions
 - Ordering 3 Fractions
 - Addition and Subtraction of Fractions

Chapter 10

- **Length, Mass and Volume**
 - Measuring and Converting Length in Metres and Centimetres
 - Measuring and Converting Length in Kilometres and Metres
 - Measuring and Converting Mass in Kilograms and Grams
 - Measuring and Converting Volume in Litres and Millilitres
 - Word Problems

Chapter 11

- **Area and Perimeter**
 - Area in Square Units
 - Area in Square Centimetres and Square Metres
 - Perimeter in Centimetres and Metres
 - Area and Perimeters of Squares and Rectangles

Chapter 12

- **Time**
 - Measuring Time in Seconds
 - 24-Hour Clock
 - Starting Time, Finishing Time and Duration

The concepts and skills covered in the syllabus are organised along 4 content strands.

● Numbers and Algebra

● Measurement

● Geometry

● Statistics and Probability

Primary 4

Chapter 1

● Numbers to 100 000

- Ten Thousands, Thousands, Hundreds, Tens and Ones
- Comparing and Ordering Numbers
- Number Patterns
- Rounding Numbers to the Nearest 10
- Rounding Numbers to the Nearest 100
- Rounding Numbers to the Nearest 1000

Chapter 2

● Factors and Multiples

- Factors
- Common Factors
- Multiples
- Common Multiples

Chapter 3

● Four Operations of Whole Numbers

- Multiplication by 1-Digit Number
- Multiplication by 2-Digit Number
- Division by 1-Digit Number
- Word Problems

Chapter 4

● Tables and Line Graphs

- Tables
- Line Graphs

Chapter 5

● Fractions (I)

- Mixed Numbers
- Improper Fractions
- Mixed Numbers and Improper Fractions
- Comparing and Ordering Fractions

Chapter 6

● Fractions (II)

- Addition and Subtraction of Fractions
- Word Problems
- Fraction of a Set
- Word Problems

Chapter 7

● Angles

- Naming Angles
- Measuring Angles
- Drawing Angles

Chapter 8

● Rectangles and Squares

- Properties of Rectangles and Squares
- Drawing Rectangles and Squares

Chapter 9

● Decimals

- Tenths
- Hundredths
- Thousandths
- Comparing and Ordering Decimals
- Number Patterns in Decimals
- Rounding Decimals
- Expressing a Fraction as a Decimal
- Expressing a Decimal as a Fraction

Chapter 10

● Four Operations of Decimals

- Addition of Decimals
- Subtraction of Decimals
- Multiplication of Decimals
- Division of Decimals
- Word Problems

Chapter 11

● Pie Charts

- Pie Charts

Chapter 12

● Area and Perimeter

- Finding the Length of Squares
- Finding Unknown Sides of Rectangles
- Perimeter of Composite Figures
- Area of Composite Figures
- Word Problems

Chapter 13

● Nets

- Prisms and Pyramids
- Drawing Geometric Figures
- Nets of Geometric Figures

Chapter 14

● Symmetry

- Symmetric Figures and Lines of Symmetry
- Completing Symmetric Figures on Square Grids

Primary 5

Chapter 1

● Numbers to 10 Million

- Numbers to 10 Million

Chapter 2

● Four Operations of Whole Numbers

- Multiplying by 10, 100 and 1000
- Multiplying by Tens, Hundreds and Thousands
- Dividing by 10, 100 and 1000
- Dividing by Tens, Hundreds and Thousands
- Order of Operations
- Order of Operations with Use of Brackets
- Word Problems

Chapter 3

● Fraction and Division

- Division of Whole Numbers as Fractions
- Expressing Fractions as Decimals

Chapter 4

● Four Operations of Fractions

- Addition and Subtraction of Mixed Numbers
- Word Problems (Addition and Subtraction)
- Multiplying a Fraction and a Whole Number
- Multiplying Two Fractions
- Multiplying a Mixed Number and a Whole Number
- Word Problems

Chapter 5

● Area of Triangle

- Base and Height of a Triangle
- Area of Triangle
- Area of Composite Figures

Chapter 6

● Volume

- Volume of Solids in Cubic Units
- Volume of Solids in Cubic Centimetres (cm³) and Cubic Metres (m³)
- Drawing Cubes and Cuboids on Isometric Grids
- Drawing Different Views of Solids on Square Grids
- Volume of Cubes and Cuboids
- Volume of Liquids
- Word Problems

Chapter 7

● Decimals

- Multiplying by 10, 100 and 1000
- Multiplying by Tens, Hundreds and Thousands
- Dividing by 10, 100 and 1000
- Dividing by Tens, Hundreds and Thousands
- Converting Measurements in Decimal Form
- Word Problems

Chapter 8

● Rate

- Rate
- Word Problems

Chapter 9

● Percentage

- Per Cent
- Conversions between Fractions, Decimals and Percentages
- Percentage Part of a Whole
- Percentage in Pie Charts 5
- GST, Discount and Annual Interest

Chapter 10

● Angles

- Angles on a Straight Line
- Vertically Opposite Angles
- Angles at a Point
- Finding Unknown Angles

Chapter 11

● Properties of Triangles

- Types of Triangles
- Angle Sum of a Triangle
- Angles at a Point
- Finding Unknown Angles

Chapter 12

● Properties of Parallelogram, Rhombus and Trapezium

- Properties of Parallelogram
- Properties of Rhombus
- Properties of Trapezium
- Finding Unknown Angles
- Drawing 4-sided Figures

Primary 6

Chapter 1

● Fractions

- Dividing a Fraction by a Whole Number
- Dividing a Whole Number by a Fraction
- Dividing a Fraction by a Fraction
- Word Problems

Chapter 2

● Ratio

- Concept of Ratio
- Equivalent Ratios
- Finding Missing Term in Equivalent Ratios
- Fraction and Ratio
- Word Problems

Chapter 3

● Percentage

- Finding the Whole Given a Part and the Percentage
- Percentage Increase or Decrease
- More Word Problems

Chapter 4

● Angles in Geometrical Figures

- Finding Unknown Angles in Geometrical Figures

Chapter 5

● Circles

- Parts of a Circle
- Circumference of a Circle
- Perimeter of a Semicircle and a Quarter Circle
- Area of a Semicircle and a Quarter Circle
- Area and Perimeter of Composite Figures

Chapter 6

● Volume

- Finding the Unknown Length of One Edge of a Cube or Cuboid
- Finding the Area of One Face of a Cube or Cuboid
- Word Problem

Chapter 7

● Average

- Finding Average
- Finding Total Amount
- Finding Number of Data
- Word Problems

Chapter 8

● Algebra

- Algebraic Expressions
- Simplifying Expressions
- Evaluating algebraic Expressions
- Solving Algebraic Equations