# Annual Syllabus
# Class-VI (2022-23)
# Subject: Mathematics (Level – 1)

| Chapter No. and Name | Content and its mapping with previous classes | Learning Outcomes | Suggested Activities |
|---|---|---|---|
| **Chapter-1**<br>**Knowing our numbers** | **Class IV**– Introduction - Comparing numbers, numbers in practice (lakh) **(Use Worksheet No.9,11,37,61)**<br><br>**Class V**– Introduction - Comparing numbers, big numbers in practice (Crore)**(Use Worksheet No.4,7,9)**<br><br>**Class VI** – Introduction, Comparing Numbers and Estimating to – nearest tens, hundreds, thousands, sum and difference, product, Roman Numerals.<br>**(Use Worksheet No. 1,3,4,7,9,10,11,12,13)** | The learner will be able to:<br>• Differentiate between Indian system and International system of numeration.<br>• Estimate the given number. | • Count number of rooms of your school.<br>• Find the number of students in all sections of class.<br>• Count in groups to understand multiply.<br>• Distribute the things in groups to understand division. |
| **Chapter-4**<br>**Basic Geometric Ideas** | **Class IV**– Circle **(Use Worksheet No.115,121)**<br><br>**Class V**– Triangles (basic shape and number of angles in it), Angles, Line **(Use Worksheet No.96,100,106)**<br><br>**Class VI**–Introduction, Points, A Line Segment, A Line, Intersecting Lines, Parallel Lines, Ray, Curves, Polygons, Angles, Triangles. Quadrilaterals, Circles.<br>**(Use Worksheet No. 34)** | The learner will be able to:<br>• Identify geometrical figures like point, ray, line, line segment, parallel line, intersecting lines in the surroundings and give examples.<br>• Identify the geometrical shapes like triangles, quadrilaterals, circles and their parts. | • Example of line and line segment from daily life.<br>• Identify triangle, quadrilateral, circle from surroundings.<br>• Discussion on the topic of light of sun and candle. |

> ➤ **The above content must be completed by 30th September, 2022.**
> ➤ **Mental Maths & Maths Lab Activities**
> ➤ **Revision of syllabus for Mid Term Examination**

## MID TERM EXAMINATION- 2022

| Chapter No. and Name | Content and its mapping with previous classes | Learning Outcomes | Suggested Activities |
|---|---|---|---|
| **Chapter-5**<br>**Understanding Elementary Shapes** | **Class V**–Measuring of line, Angles- Right, Straight, More than 90°, Less than 90°, 3D shapes<br>**(Use Worksheet No.96,100,106,109)** | The learner will be able to:<br>• Classify the angles as acute, obtuse, reflex, straight, and complete and can measure and draw them. | • Give example of shapes from surroundings.<br>• Identify different types of angles and triangles in your surroundings. |

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| | **Class VI**– Introduction, Measuring Line Segments, Angles-Right and Straight, Angles-Acute, Obtuse and Reflex, Measuring Angles, Perpendicular Lines, Classification of Triangles, Quadrilaterals, Polygons **(Use Worksheet No. 29,31,32,33)** | • Identify the triangles on the basis of sides and angles. <br> • Identify different quadrilaterals as square, rectangle, parallelogram, rhombus and trapezium. | |
| **Chapter-6** <br> **Integers** | *Class IV**– same as Chapter 1 **(Use Worksheet No.9,11,37,61)** <br><br> *Class V**– same as Chapter 1 **(Use Worksheet No.96,100,106)** <br><br> **Class VI**– Introduction, Integers- Representation on Number Line, Ordering of Integers, Addition of Integers, and Subtraction of Integers with the help of a Number Line. **(Use Worksheet No. 14,15,16,17)** <br> **Note: content not to be taught- section 6.2 except 6.2.1, 6.2.2, section 6.3 exercise 6.2 section 6.4 exercise 6.3** | The learner will be able to: <br> • Identify the integers and represent it on number line. <br> • Compare the different integers and write integers in orders. | • Explaining integers with the help of stairs <br> • Find temperature of Kashmir and Delhi in summer and winter and compare it |
| **Chapter-7** <br> **Fractions** | **Class IV**–Parts and Wholes (Halves and Quarters) <br><br> **Class V**– Equivalent and Mixed fractions are there without using the term**(Use Worksheet No.130,135,141,143)** <br><br> **Class VI**– Introduction, A Fraction, Fraction on Number Line, Proper Fractions, Improper and Mixed Fractions, Equivalent Fractions, Simplest Form of a Fraction, Like Fractions, Comparing Fractions, Addition and Subtraction of Like Fractions. **(Use Worksheet No. 18,19,20,21,22,23)** | The learner will be able to: <br> • Represent fraction on number line and shade the given portion as fraction. <br> • Identify fractions as proper, improper, mixed and equivalent and like fractions. <br> • Compare, add and subtract fractions and solve daily life problems involving fractions. | • Divide classroom into parts and write fraction <br> • Paper folding activities <br> • Role play |
| **Chapter-8** <br> **Decimals** | **Class V**–Tenths, Hundredths, Addition and Subtraction <br><br> **Class VI**– Introduction, Tenths, Hundredths, Comparing Decimals, Using Decimals, Addition of Decimals, Subtraction of Decimals. | The learner will be able to: <br> • Identify and compare decimals. <br> • Solve daily life problems involving decimals. | • Use of graph paper to explain decimal <br> • Daily life examples like converting rupee into paisa, cm into metre etc. |

> • **The whole syllabus must be completed by 31st January, 2023.**
> • **Mental Maths & Maths Lab Activities**
> • **Revision of syllabus for Annual Examination**
> • **Annual Examination will be based on complete syllabus.**

# ANNUAL EXAMINATION- 2023

**Note: The above said syllabus is for assessment purpose only and remaining topics/chapters may be taught as Subject Learning Enrichment.**