

Annual Syllabus

Class-VI (2022-23)

Subject: Mathematics (Level – 2)

Chapter	Content and its mapping with previous classes	Learning Outcomes	Suggested Activities
Chapter-1 Knowing our numbers	<p>Class IV: Introduction- Comparing numbers, numbers in practice (lakh)(Use Worksheet No. 9,11,37,61)</p> <p>Class V: Introduction- Comparing numbers,big numbers in practice (Crore),sum,difference and product (Use Worksheet No. 4,7,9)</p> <p>Class VI– Introduction, Comparing Numbers, Large numbers in practice, estimating to – nearest tens, hundreds, thousands, outcomes of numbers situations, sum and difference, product, Using brackets, Roman Numerals. (Use Worksheet No.1,3,4,5,7,9,10,11,12,13)</p>	<p>The learner will be able to:</p> <ul style="list-style-type: none"> • Differentiate between Indian system and International system of numeration. • Solve daily life situation problems involving addition, multiplication, subtraction, division and fraction. • Estimate the given number. • Express numbers in Roman Numerals & vice-versa. 	<ul style="list-style-type: none"> • Count number of rooms of your school. • Find the number of students in all sections of class. • Count in groups to understand multiply. • Distribute the things in groups to understand division.
Chapter-4 Basic Geometric Ideas	<p>Class IV– Circle (Use Worksheet No. 115,121)</p> <p>Class V– Triangles (basic shape and number of angles in it), Angles, Line(Use Worksheet No. 96,100,106)</p> <p>ClassVI– Introduction, Point, A Line Segment, A Line, Intersecting Lines, Parallel Lines, Ray, Curves, Polygons, Angles, Triangles, Quadrilaterals, Circles. (Use Worksheet No. 34)</p>	<p>The learner will be able to:</p> <ul style="list-style-type: none"> • Identify geometrical figures like point, ray, line, line segment, parallel line, intersecting lines in the surroundings and give examples. • Identify the geometrical shapes like triangles, quadrilaterals, circles and their parts. 	<ul style="list-style-type: none"> • Example of line and line segment from daily life. • Identify triangle, quadrilateral, circle from surroundings. • Discussion on the topic of light of sun and candle.
Chapter-6 Integers	<p>*Class IV– same as Chapter 1 (Use Worksheet No. 9,11,37,61)</p> <p>*Class V– same as Chapter 1 (Use Worksheet No. 4,7,9)</p> <p>Class VI– Introduction, Integers- Representation on Number Line, Ordering of Integers, Addition of Integers, and Subtraction</p>	<p>The learner will be able to:</p> <ul style="list-style-type: none"> • Identify the integers and represent it on number line. • Compare the different integers 	<ul style="list-style-type: none"> • Make understand integers with the help of stairs. • Find temperature of

	of Integers with the help of a Number Line. (Use Worksheet No. 14,15,16,17) 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	and write integers in orders.	Kashmir and Delhi in summer and winter and compare it.
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- 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-5 Understanding Elementary Shapes	<p>Class V–Measuring of line, Angles- Right, Straight, More than 90°, Less than 90°, 3D shapes (Use Worksheet No.96,100,106,109)</p> <p>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)</p>	<p>The learner will be able to:</p> <ul style="list-style-type: none"> • Classify the angles as acute, obtuse, reflex, straight, and complete and can measure and draw them. • Identify the triangles on the basis of sides and angles. • Identify different quadrilaterals as square, rectangle, parallelogram, rhombus and trapezium. 	<ul style="list-style-type: none"> • Example of shapes from surroundings • Identify different types of angles and triangles in your surroundings.
Chapter-7 Fractions	<p>Class IV– Parts and Wholes (Halves and Quarters)</p> <p>Class V– Examples of Equivalent and Mixed fractions without using the term (Use Worksheet No.130,135,141,143)</p> <p>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 Fractions. (Use Worksheet No. 18,19,20,21,22,23)</p>	<p>The learner will be able to:</p> <ul style="list-style-type: none"> • Represent fraction on number line and shade the given portion as fraction. • Identify fractions as proper, improper, mixed, and equivalent and like fractions. • Compare, add and subtract fractions and solve daily life problems involving fractions. 	<ul style="list-style-type: none"> • Divide classroom into parts and write fraction • Paper folding activities • Role play
Chapter-8 Decimals	<p>Class V–Tenths, Hundredths, Addition and Subtraction</p> <p>Class VI– Introduction, Tenths, Hundredths, Comparing Decimals, Using Decimals, Addition of Numbers with Decimals, Subtraction of Decimals.</p>	<p>The learner will be able to:</p> <ul style="list-style-type: none"> • Identify and compare decimals. • Solve daily life problems involving decimals. 	<ul style="list-style-type: none"> • Use of graph paper to understand decimal • Daily life examples like converting rupee into paisa, cm into metre etc.

<p>Chapter-14 Practical Geometry</p>	<p>Class IV– Circle (Use Worksheet No. 115,121)</p> <p>Class V– Line segment (however it is called line)</p> <p>Class VI– Introduction, The Circle, A Line Segment, Perpendiculars, Angles (Use Worksheet No. 24,25,26,27,28,30)</p>	<p>The learner will be able to:</p> <ul style="list-style-type: none"> • Construct circle, line segment of given measurements. • Draw perpendicular and perpendicular bisector on line segments. • Identify angles in the surroundings and draw angles of measure 30°, 45°, 60°, 75°, 90° etc. using ruler and compass. 	<ul style="list-style-type: none"> • Draw any design in circle using compass. • Draw a line segment and bisect it. • Find out geometrical shapes in the house and surroundings.
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- **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.