

**KIDS WORLD SCHOOL**  
**SESSION - 2024 -25**  
**ANNUAL CURRICULUM PLANNER**  
**SUBJECT - MATHEMATICS**  
**CLASS - VI (A + B)**

MONTH	NAME OF THE LESSON	METHODOLOGY	LEARNING OBJECTIVES		LEARNING OUTCOMES	MODE OF ASSESSMENT + ACTIVITY
			KNOWLEDGE / CONTENT BASED	APPLICATION BASED		
JULY 01/07/2024 To 23/07/2024	1. Knowing Our Numbers	Explanation / Demonstration	<ul style="list-style-type: none"> <li>➤ Indian System of Numeration</li> <li>➤ Lakh, Ten Lakh &amp; Crore</li> <li>➤ International System Of Numeration</li> <li>➤ Million &amp; Billion</li> <li>➤ Face Value &amp; Place Value</li> <li>➤ Expanded Form</li> <li>➤ Rounding Off</li> <li>➤ Hindu – Arabic Numbers</li> </ul>	<ul style="list-style-type: none"> <li>➤ Makes Students Familiar With The Concept Of Numbers That Range From Natural Numbers To Whole Numbers.</li> <li>➤ Read and write the population of a City</li> </ul>	<ul style="list-style-type: none"> <li>➤ Reads, Writes And Compares Large Numbers.</li> <li>➤ Represents Numbers in Both the Indian and International systems Of Numeration.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT FOR LEARNING</b></p> <p style="text-align: center;"><b>{INTERDISCIPLINARY ACTIVITY}</b></p> <p style="text-align: center;">(MATHS WITH SCIENCE)</p> <hr/> <p style="text-align: center;"><b>ACTIVITY</b> – Prepare a menu card for a restaurant and mention all the ingredients with its nutritional value.</p>
24/07/2024 To 30/07/2024	2. Whole Numbers	Explanation	<ul style="list-style-type: none"> <li>➤ Whole Numbers</li> <li>➤ Number Line</li> <li>➤ Closure Property</li> <li>➤ Commutative Property</li> <li>➤ Associative Property</li> <li>➤ Distributive Property</li> <li>➤ Additive Identity</li> <li>➤ Multiplicative Identity</li> <li>➤ Patterns</li> <li>➤ BODMAS</li> </ul>	<ul style="list-style-type: none"> <li>➤ We See Full Numbers On Nutrition Labels And Highway Signs That Inform Us How Many Miles It Is To The Next City.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Finds The Predecessor and Successor Of a Number In The Natural and Whole Number Systems.</li> <li>➤ Differentiates Between Natural and Whole Numbers.</li> <li>➤ Represents The Operations On Whole Numbers On a Number Line.</li> <li>➤ Applies The Rule Of BODMAS.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT OF LEARNING</b></p> <p style="text-align: center;">(Multiple Choice Questions, Problem Solving)</p>

AUGUST 01/08/2024 To 25/08/2024	3. Playing With Numbers	Explanation	<ul style="list-style-type: none"> <li>➤ Factors and Multiples</li> <li>➤ Prime &amp; Composite Numbers</li> <li>➤ Tests For Divisibility Of Numbers</li> <li>➤ Prime Factorisation</li> <li>➤ HCF &amp; LCM</li> </ul>	<ul style="list-style-type: none"> <li>➤ Counting On While Playing Helps Children Focus On The Numbers, How Far They Have Gone, And What Numbers Come Before And Come After.</li> <li>➤ To Split Things into Smaller Sections.</li> <li>➤ Factoring Is Useful In Exchanging Money, Dividing Any Quantity Into Equal Pieces.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Finds the Factors and Multiples, HCF and LCM of a Number.</li> <li>➤ Identifies a Perfect Number, Co – Prime Number.</li> <li>➤ Recognise The Broad Classification Of Numbers.</li> <li>➤ Applies the Divisibility Rules.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT OF LEARNING</b></p> <p style="text-align: center;">(Multiple Choice Questions, Problem Solving)</p> <p style="text-align: center;"><b>{SUBJECT ENRICHMENT ACTIVITY}</b></p> <p><u>ACTIVITY</u> – Write numbers from 1 to 50 and colour prime numbers, composite numbers differently.</p>
26/08/2024 To 06/09/2024	4. Basic Geometrical Ideas	Explanation	<ul style="list-style-type: none"> <li>➤ Plane, Points, A Line Segment &amp; A Line</li> <li>➤ Parallel Lines , Intersecting Lines And A Ray</li> <li>➤ Curves &amp; Polygons</li> <li>➤ Angles &amp; Triangles</li> <li>➤ Quadrilaterals &amp; Circles</li> </ul>	<ul style="list-style-type: none"> <li>➤ Geometry Allows Students To Connect Mapping Objects In The Classroom To Real – World Contexts Regarding Direction &amp; Place.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Identifies, Defines, Draws, Labels, and Give Examples From Daily Life Of Plane, Points, Line Segments, Lines, Parallel Lines, Intersecting Lines and Rays.</li> <li>➤ Identifies Curves, Polygons, Angle, Triangle, Quadrilateral and Circle.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT FOR LEARNING</b></p> <p style="text-align: center;">(Multiple Choice Questions, Problem Solving and Construction)</p> <p style="text-align: center;"><b>(ART INTEGRATED)</b></p> <p><u>ACTIVITY</u> – Using different types of 2D shapes make any 3D shape.</p>
SEPTEMBER 07/09/2024 To 16/09/2024	5. Understanding Elementary Shapes	Explanation / Demonstration	<ul style="list-style-type: none"> <li>➤ Measuring Line Segments</li> <li>➤ Angles – Right , Straight &amp; Complete</li> <li>➤ Angles – Zero, Acute, Obtuse &amp; Reflex</li> <li>➤ Perpendicular Lines &amp; Measuring Angles</li> <li>➤ Classification Of Triangles, Quadrilaterals &amp; Polygons</li> <li>➤ 3D Shapes</li> </ul>	<ul style="list-style-type: none"> <li>➤ It Refers To The Development Of Tools To Measure Shapes And Their Sizes.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Measures and Compares Line Segments, Angles.</li> <li>➤ Identifies Perpendicular Lines and Bisectors.</li> <li>➤ Draws The Nets Of Cube, Cuboid, Cone &amp; Cylinder.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT OF LEARNING</b></p> <p style="text-align: center;"><b>(ART INTEGRATED)</b></p> <p style="text-align: center;"><b>{MULTIPLE ASSESSMENT}</b></p> <p><u>Activity:</u> – To Develop Different Geometrical Shapes Using Tangram.</p>

17/09/2024 To 03/10/2024	6. Integers	Explanation	<ul style="list-style-type: none"> <li>➤ Introduction To Integers</li> <li>➤ Addition &amp; Subtraction Of Integers</li> </ul>	<ul style="list-style-type: none"> <li>➤ Daily Life Situations Involving Addition &amp; Subtraction of Integers.</li> <li>➤ Players Scores In Golf, Football, &amp; Hockey Tournaments, Movie Or Song Ratings.</li> <li>➤ Temperature, Money Loans, Savings As Positive &amp; Negative Integers.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Differentiates Between Negative and Positive Numbers.</li> <li>➤ Represents opposite Situations with Positive and Negative Sign.</li> <li>➤ Arranges Integers By Comparison.</li> <li>➤ Finds The Absolute Value Of An Integer.</li> <li>➤ Solves Problem On Daily –Life Situations Involving Addition And Subtraction Of Integers.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT OF LEARNING</b></p> <p style="text-align: center;">(Multiple Choice Questions, Problem Solving)</p>
OCTOBER	REVISION	Explanation	<b>KNOWLEDGE AIDING RETENTION</b>			<b>ASSESSMENT AS LEARNING</b>
NOVEMBER  11/11/2024 To 26/11/2024	7. Fractions	Explanation	<ul style="list-style-type: none"> <li>➤ Fraction &amp; Its Representation On The Number Line</li> <li>➤ Proper, Improper &amp; Mixed Fractions</li> <li>➤ Equivalent, Like &amp; Unlike Fractions</li> <li>➤ Simplest Form Of A Fraction</li> <li>➤ Comparing Fractions</li> <li>➤ Adding &amp; Subtracting Fractions</li> </ul>	<ul style="list-style-type: none"> <li>➤ If A Pizza Is Divided Into Two Equal Parts, Then Each Part Is Equal To Half Of The Whole Pizza.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Defines Fractions And Represents Them Pictorially.</li> <li>➤ Represents Fractions On a Number Line.</li> <li>➤ Identifies and Converts Types of Fraction.</li> <li>➤ Represents Fractions In The Simplest Form.</li> <li>➤ Adds and Subtracts Like, Unlike and Mixed Fractions.</li> <li>➤ Finds Equivalent Fractions Of a Given Fraction.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT OF LEARNING</b></p> <p style="text-align: center;">(Multiple Choice Questions, Problem Solving)</p>

<p>DECEMBER</p> <p>27/11/2024 To 15/12/2024</p>	<p>8. Decimals</p>	<p>Explanation</p>	<ul style="list-style-type: none"> <li>➤ Tenths, Hundredths &amp; Thousandths</li> <li>➤ Comparing Decimals Using Decimals</li> <li>➤ Adding &amp; Subtracting Decimals</li> </ul>	<ul style="list-style-type: none"> <li>➤ Used In Measuring Temperature.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Describes the Idea of a Decimal and Decimal Fraction with Examples.</li> <li>➤ Reads, Writes and Represents Decimals.</li> <li>➤ Converts Decimals.</li> <li>➤ Adds And Subtracts Decimals.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT OF LEARNING</b></p> <p style="text-align: center;">(Multiple Choice Questions, Problem Solving)</p>
<p>16/12/2024 To 21/12/2024</p>	<p>9. Data Handling</p>	<p>Explanation / Demonstration</p>	<ul style="list-style-type: none"> <li>➤ Data &amp; Its Organisation Using Tally Charts</li> <li>➤ Pictograph – Interpretation &amp; Drawing</li> <li>➤ A Bar Graph</li> </ul>	<ul style="list-style-type: none"> <li>➤ Surveys, School Reports, Libraries, Resources, Etc.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Identifies Data As a Collection Of Observations and Classifies It Into Primary Data And Secondary Data.</li> <li>➤ Organise Data In The Form Of Tables Such As Tally Charts.</li> <li>➤ Interprets Data From a Given Pictograph and A Bar Graph.</li> <li>➤ Represents Data In The Form Of Pictograph and Horizontal or Vertical Bar Graphs By Choosing a Suitable Scale.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT FOR LEARNING</b></p> <p style="text-align: center;"><b><u>{MULTIDISCIPLINARY ACTIVITY}</u></b></p> <p style="text-align: center;">(Maths with English &amp; Social Science)</p> <p><b><u>ACTIVITY</u></b> – Write an information on population and areas of four cities of Sikhism. Represent it using Bar Graph.</p>
<p>JANUARY</p> <p>02/01/2025 To 15/01/2025</p>	<p>10. Mensuration</p>	<p>Explanation</p>	<ul style="list-style-type: none"> <li>➤ Perimeter Of Rectangle, Parallelogram &amp; Isosceles Triangle</li> <li>➤ Perimeter Of Regular Closed Figures</li> <li>➤ Area</li> </ul>	<ul style="list-style-type: none"> <li>➤ To Measure The Perimeter (Boundary) &amp; Area Of Classroom, Garden.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Calculates the Perimeter and Area of a Triangle, A Square, Regular and Irregular Polygons.</li> <li>➤ Solves Real – Life Problems Using The Concept Of Perimeter and Area.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT OF LEARNING</b></p> <p style="text-align: center;">(Multiple Choice Questions, Problem Solving by Applying Formulae)</p> <p style="text-align: center;"><b><u>{INTERDISCIPLINARY ACTIVITY}</u></b></p> <p><b><u>ACTIVITY</u></b> – Calculate the area and perimeter of the spaces allotted in the playground (Group – wise activity)</p>

16/01/2025 To 31/01/2025	11. Algebra	Explanation	<ul style="list-style-type: none"> <li>➤ The Idea of a Variable Using Variables in Common Rules.</li> <li>➤ Expressions With Variables Using Expressions Practically</li> <li>➤ Equations &amp; Its Solution</li> </ul>	<ul style="list-style-type: none"> <li>➤ Budgeting</li> <li>➤ Astrological Calculations.</li> <li>➤ Construction</li> </ul>	<ul style="list-style-type: none"> <li>➤ Identifies and Give Examples of Variables and Constants.</li> <li>➤ Formulates a Rule For a Given Matchstick Pattern Using a Variable.</li> <li>➤ Evaluates Algebraic Expressions By Substituting the Values.</li> <li>➤ Identifies an Algebraic Expressions and Equations.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT OF LEARNING</b></p> <p style="text-align: center;">(Multiple Choice Questions, Applying Rule, Making Expressions, Problem Solving)</p>
FEBRUARY  01/02/2025 To 10/02/2025	12. Ratio And Proportion	Explanation / Demonstration	<ul style="list-style-type: none"> <li>➤ Ratio</li> <li>➤ Proportion</li> <li>➤ Unitary Method</li> </ul>	<ul style="list-style-type: none"> <li>➤ To Work With Finances &amp; When Shopping.</li> <li>➤ Cooking, Grocery Shopping, &amp; Getting From One Place To Another Place.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Explains Ratio and Its Properties.</li> <li>➤ Finds Equivalent Ratios and Simplest Form of a Ratio.</li> <li>➤ Compares Quantities Using Ratio.</li> <li>➤ Use Cross Product to check if the Quantities are in Proportion.</li> <li>➤ Applies the Principle of Proportion.</li> <li>➤ Applies the Unitary Method.</li> </ul>	<p style="text-align: center;"><b>ASSESSMENT FOR LEARNING</b></p> <p style="text-align: center;"><b>{INTERDISCIPLINARY ACTIVITY}</b></p> <p style="text-align: center;">(Maths with Hindi)</p> <p style="text-align: center;"><u>ACTIVITY</u> – From the given data find the ratio of medicinal plants available in Sikkims’s forest.</p>
MARCH	<b>REVISION + TERM II EXAMINATION</b>					