

**VIDYA PRATISHTHAN'S NEW BAL VIKAS MANDIR, PIMPLI- BARAMATI**

**Annual Curriculum Plan (2025-26)**

**Mathematics**

Std:VI

Month / Topic	Learning Outcomes	Teaching Learning Strategies/ Activities	Assessment Tools	Resources	Inter Disciplinary
April 2025 Patterns in Mathematics	The students will be able to: i. Identify and describe patterns in various forms (e.g. Number sequence, geometry shape). ii. Describe the rule that governs a pattern and extend it.	<b>Explicit Instructions</b> Making charts on number sequences and patterns.	Peer Assessment , Formative Assessment	Chart, Diagrams, Model of patterns, Textbook	History, Science, Art, Logical Reasoning, Critical thinking, Problem solving
June Lines and Angles	The students will be able to: i. Recognise and apply lines and angles in real world context. ii. Classify angles according to their measures.	<b>Hands-on Learning</b> Creating rotating arms using two papers straws and a paper clip.	Worksheet, Dot paper	Textbook Maths Lab	Art, History, Science, Critical Thinking
July Number Play	The students will be able to: i. Identify patterns in numbers. ii. Recognize palindromic numbers.	<b>Cooperative Learning</b> <b>Guess my number!</b> One student thinks of a number and gives clue( e.g. "It's an even number", "It's between 1 and 20") for others to guess.	Worksheet on number pattern	Textbook	Logical Reasoning, Computational Thinking

**First Unit Test : July 2025**

August Data Handling and Presentation	The students will be able to: i. Organize and categorize data using tables, charts and graphs.	<b>Visual Aids</b> Collect, organize and analyze the data of your favorite sport in the class.	Graph, Worksheet, Notebook	Textbook, Graph paper	Critical Thinking, Problem solving and Communication
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September Prime Time	The students will be able to: i. Understand and identify prime, co-prime and composite numbers. ii. Identify factors and multiples. iii. Apply these concepts to solve problems involving factorization and divisibility rules.	<b>Explicit Instruction</b> Use the Sieve of Eratosthenes method to find the prime numbers.	Classroom activity	Textbook	Communication

**Internal Assessment: September 2025**  
**First Terminal Examination : September 2025**

October Perimeter and Area	The students will be able to: i. Apply perimeter and area concepts in real world. ( e.g. gardening construction) ii. Calculate perimeter and areas of polygons.	<b>Cooperative Learning</b> <b>Area Maze Puzzle</b> <b>Garden Design</b> : Ask students to design a garden with specific dimensions and calculate perimeter and area.	Practical book, Geometry box	Textbook	Problem solving, Logical Reasoning
November Fractions	The students will be able to: i. Understand the concept of a fraction as part of a whole, identify different types of fractions (proper, improper, mixed), represent fractions on a number line, and perform basic operations (addition, subtraction) on fractions. ii. Compare fractions.	<b>Conceptual Understanding</b> <b>Fraction Wall</b> Create a fraction wall using paper strips to visualize equivalent fraction.	Worksheet, Maths Lab	Textbook	Understanding application and accuracy
December Playing with construction	The students will be able to: Understand and identify basic geometric concepts such as points, lines, angles and shapes.	<b>Hands-on Learning</b> <b>Design a structure.</b> Ask students to design and construct a structure using geometric shapes.	Practical book, Drawing sheets	Geometry box	Art, Critical thinking, Creativity and real world application

**Second Unit Test : January 2026**

7/25/25

Month / Topic	Learning Outcomes	Teaching Learning Strategies/ Activities	Assessment Tools	Resources	Inter Disciplinary
January 2026 Symmetry	The students will be able to: Understand and apply concepts related to line and rotational symmetry in various 2D and 3D shapes and objects	<b>Hands-on Learning</b> i.Thread Painting ii.Creating symmetrical patterns and designs using various tile shapes.	Drawing Sheets, Colours	Pictures, Articles on rotational symmetry	Art, Logical reasoning
February The other side of zero	The students will be able to: Understand the concept of zero, negative numbers, comparison and their representation on a number line, and their application in real-life scenarios.	<b>Explicit Instruction</b> <b>Game: Snake and Ladder</b>	Worksheet, Notebook	Textbook	Problem solving, Critical thinking and accuracy
<b>Internal Assessment: February 2026</b> <b>Second Terminal Examination : March 2026</b>					

Done  
9/5/25