

**VIDYA PRATISHTHAN'S NEW BAL VIKAS MANDIR, PIMPLI- BARAMATI**  
**ANNUAL CURRICULUM PLAN, 2023-24**

**MATHEMATICS**

*Std VIII*

<i>Month</i>	<i>Topic</i>	<i>Learning Outcomes</i>	<i>Subject Enrichment Activity</i>
<i>April</i>	<i>(Bridge course) Chapter:1 Rational Numbers</i>	<i>The learner: i)Generalizes properties of addition, subtraction, multiplication and division of rational number through pattern. ii)Find out as many rational numbers as possible between two given rational numbers. iii)Represent rational number on number line.</i>	<i>Students will solve worksheet on Rational Numbers.</i>
<i>June</i>	<i>Chapter:2 Linear Equations in one variable</i>	<i>The learner: i) Solve problems based on linear equation in variable. ii) Solve puzzles and daily life problem using variables. iii) Solves problems related to angles of quadrilateral using angle sum property. iv) Verifies properties of parallelogram and establishes the relationship between them through reasoning. v) Generalizes properties of different types of quadrilateral.</i>	<i>Students will solve worksheet on Rational Numbers.</i>
<i>First Unit Test ,June 2023</i>			
<i>July</i>	<i>Chapter:3 Understanding Quadrilaterals  Chapter:4 Practical Geometry</i>	<i>i) Solves problems related to angles of quadrilateral using angle sum property. ii) Verifies properties of parallelogram and establishes the relationship between them through reasoning. iii) Generalizes properties of different types of quadrilateral.  The learner: I) Construct different quadrilaterals using geometry box</i>	<i>Maths Lab Activity: 1)Angle sum property of Quadrilaterals  Students will construct different quadrilaterals on worksheet.</i>

August	Chapter:5 Data Handling  Chapter:6 Square and Square Roots	The learner: i) Draw and interprets pie charts The learner: i) Finds squares and square roots of numbers using different methods. ii) Uses square roots in solving problems of daily life	To collect data and represent it by frequency distribution table To find the square root of a non perfect square.
September	Chapter:7 Cube and Cube Roots  Chapter:8 Comparing Quantities	The learner 1) Finds cube and cube roots of a number  The learner i) Finds ratio to compare two quantities of the same type ii) Calculates increase or decrease percent. iii) Applies the concept of percent in profit and loss situation.	Cube root maze
<i>First Terminal Examination, September, 2023</i>			
October	Chapter:9 Algebraic Expressions and Identities	The learner: 1) solves sums based on algebraic expressions 2) uses various algebraic identities in solving problem of daily life.	Maths Lab activity: Algebraic Identities
November	Chapter:11 Mensuration	The learner: 1) Estimates the area of shapes like trapezium and other polygon by using square grid/ graph sheet and verifies using formulas. 2) Finds the area and perimeter of polygon.	Experiential learning Activity: Find the area of different rooms (eg classroom, Physics lab)
December	Chapter:12 Exponents and Powers  Chapter:13 Direct and Inverse Proportions	The learner: 1) Solves problem with integral exponents. 2) Use the laws of exponent. 3) Express numbers in standard form. 4) Solves problem based on direct and inverse proportion.	Properties of Exponents maze.  Assignment on Direct and Inverse Proportions
<i>Second Unit Test December 2023</i>			

<i>January</i>	<i>Chapter:14 Factorisation</i>	<i>The learner: 1) Finds factors of algebraic expression. 2) Find the errors in mathematical statement and correct it.</i>	<i>Maths lab activity: Factorisation using tiles</i>
<i>February</i>	<i>Chapter:15 Introduction to Graphs</i>	<i>The learner: 1) Draws and interprets linear graph.</i>	<i>Assignment : case study on Coordinate Geometry</i>
<i>March</i>	<i>Revision</i>		
<i>Second Terminal Examination, March 2023</i>			