

**ACADEMIC PLANNER 2024-25**

**Subject : Mathematics**

**Class - VIII**

<b>DATE</b>	<b>TOPIC</b>	<b>SDG COVERED / INTERDISCIPLINARY VALUE BASED</b>	<b>ACTIVITY</b>	<b>GK Pages</b>
<b>April</b> 1-15th April (11 days)	<u><b>Ch. 1 – Rational Numbers</b></u>	SDG : Sustainable Development	To calculate the electricity bill of the neighbours and compare and analyze the electricity consumption by them with your own house bill. (Subject Integration)	Pg 24,25
16- 30th April (11 days)	<u><b>Ch. 4 – Data Handling</b></u>	SDG: Quality Education(Worksheet 4)		Pg 26
<b>May</b> 1-15th May (12 days)	<u><b>Ch. 2 – Linear Equations</b></u>	SDG: Responsible Consumption and Production Preparing an eco-friendly dustbin using 3 D shapes(Art Integration)	* Mini - Sudoku by solving equations	Pg 28
<b>May</b> 16-25th May (6 days)	<u><b>Ch. 3 Understanding quadrilaterals</b></u>			Pg 29
<b>JULY</b> 1-15th July (12 days)	<u><b>Ch. 3 Understanding quadrilaterals</b></u>	SDG: Zero hunger worksheet 2	*To verify angle sum property of a Quadrilateral. *Art design and architecture * Cut different types of quadrilaterals using different colored paper and make poster on endangered species	Pg 30
16- 31st July (13 days)	Revision for UT 1			
<b>August</b> 1-15th Aug. (11 days)	<u><b>Ch. 5 Squares &amp; square roots</b></u>	SDG: Good Health And Well Being	Finding Squares by Alternate Method. *Discuss about Ramanujan's Number	Pg 72
16 -31st Aug. (12 days)	<u><b>Ch. 6 Cubes &amp; cube roots</b></u>			Pg 73
<b>September</b> 1-15th Sept. (11days)	Revision for Half yearly examination			
16-30th Sept. (12 days)	<b>HALF YEARLY EXAMINATION</b>			
<b>October</b> 1-15th Oct. (8 days)	<u><b>Ch 8 Algebraic expressions &amp; Identities</b></u>	Life skills and values		Pg 74
16 -31st Oct. (12 days)	<u><b>Ch. 8 Algebraic expressions &amp; Identities</b></u>			

<b>November</b> 1-15th Nov. (10 days)	<b><u>Ch. 9 - Mensuration</u></b>		*To derive formula for TSA of a Cuboid. *To calculate the area and perimeter of basket ball court and badminton court.(Sports Integration)	Pg 75
16-30th Nov. (13 days)	<b><u>Ch. 10 Exponents &amp; powers</u></b>  <b><u>Ch. 11 – Direct and inverse proportion</u></b>	Good Health And Well being	*To understand the concept of exponents. *To explore the relationship between (a) length and perimeter (b) length and area of squares of different dimensions.	Pg 76,77

<b>December</b>  1-15th (11 days)	<b>Ch. 12 Factorisation</b>	SDG Clean Water and Sanitation(Worksheet 6)	percentage increase in population in different years	Pg 78
16-31st (13 days)	<b><u>Ch. 7 – Comparing Quantities</u></b>			

<b>January</b> 1-15th January	<b>Winter Break</b>			
<b>January</b> 15 -31st January (13 days)	<b><u>Ch. 13 Introduction to graphs</u></b> Line Graph And its Applications		Introduction of co-ordinate axes, plotting points to make different figures	Pg 80

<b>February</b> 1-15th Feb (12 days)	<b>Revision for Annual Examinations</b>		
16-28th Feb (10 days)	<b>Annual Examinations</b>		
	<b>TERMWISE SYLLABUS</b>		<b>GK Pages</b>
	<b>UNIT TEST - 1</b>	<b>CH -1,2,4</b>	<b>Pg 24,25,26,27</b>
	<b>HALF YEARLY EXAMINATION</b>	<b>CH - 1,2,3,4,5,6</b>	<b>Pg 28,29,30,72,73</b>
	<b>UNIT TEST - 2</b>	<b>CH - 8,9</b>	<b>Pg 74,75</b>
	<b>ANNUAL EXAMINATION</b>	<b>Ch 1 to 13</b>	<b>Pg 76,77,78,79,80</b>