

ACADEMIC PLANNER 2023-24

Subject : Mathematics

Class - VIII

DATE	TOPIC	SDG COVERED / INTERDISCIPLINARY VALUE BASED	ACTIVITY
April 1-15th April (9 days)	<u>Ch. 1 – Rational Numbers</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)
16- 30th April (11 days)	Ch. 4 – Data Handling	SDG: Quality Education(Worksheet 4)	
May 1-15th May (11 days)	<u>Ch. 2 – Linear Equations</u>	SDG: Responsible Consumption and Production Preparing an eco-friendly dustbin using 3 D shapes(Art Integration)	* Mini - Sudoku by solving equations

JULY 1-15th July (12 days)	<u>Ch. 3 Understanding quadrilaterals</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
16- 31st July (12 days)	Revision for UT 1		
August 1-15th Aug. (11 days)	<u>Ch. 5 Squares & square roots</u>	SDG: Good Health And Well Being	Finding Squares by Alternate Method. *Discuss about Ramanujan's Number
16 -31st Aug. (13 days)	<u>Ch. 6 Cubes & cube roots</u>		

September 1-15th Sept. (11days)	Revision for Half yearly examination		
16-30th Sept. (12 days)	HALF YEARLY EXAMINATION		

October 1-15th Oct. (10 days)	<u>Ch. 9 Algebraic expressions & Identities</u>	Life skills and values	$[(a + b)]^2 = a^2 + 2ab + b^2$ To verify the identity
16 -31st Oct. (9 days)	<u>Ch. 8 Algebraic expressions & Identities</u>		

November 1-15th Nov.	<u>Ch. 9 - Mensuration</u>		*To derive formula for TSA of a Cuboid.
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(9 days)			*To calculate the area and perimeter of basket ball court and badminton court.(Sports Integration)
16-30th Nov. (12 days)	<u>Ch. 10 Exponents & powers</u>	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.
	<u>Ch. 11 – Direct and inverse proportion</u>		

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

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

February 1-15th Feb (12 days)	Revision for Annual Examiations		
16-28th Feb (11 days)	Annual Examinations		

TERMWISE SYLLABUS		GK Pages
UNIT TEST - 1	CH -1,2,4	Pg 37,38,39
HALF YEARLY EXAMINATION	CH - 1,2,3,4,5,6	Pg 40,41,42,43,44
UNIT TEST - 2	CH - 8,9	Pg 74,75
ANNUAL EXAMINATION	CH -7,8,9,10,11,12,13	Pg 76,77,78,79

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GK Pages
Pg 37,38
Pg 39
Pg 40
Pg 42
Pg 43
Pg 44

Pg 74

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Pg 75

Pg 76,77

Pg 78

Pg 79