

Class – IX

Sub: MATHEMATICS

Weekly Syllabus

Academic Session 2023-24

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
Apr-23	I	01	01-Working Saturday (Student)	01		Chapter 1- Number System	Introduction Ex- 1.1 Irrational numbers and their representation on a number line $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$	
	II	03-07	04 - Mahavir Jayanti 07 – Good Friday	03		Chapter 1- Number System	Ex- 1.2 Real numbers and their decimal Expansions	
	III	10-14	14 - Ambedakar Jayanti	04		Chapter 1- Number System	Real numbers and their decimal Expansions Ex – 1.3	
	IV	17-21		05		Chapter 1- Number System	Representing real numbers on the number line Ex – 1.3 Operation on Real Numbers Ex 1.4	
	V	24-29	29-Working Saturday (Student) 29 – Parent Orientation	06		Chapter 1- Number System	Operation on Real Numbers Ex 1.4	

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			VI & IX				Laws of exponents for real numbers Ex 1.5	
May-23	I	01-05	05 – Budha Purnima 01-04 : ES-1 (XII)/ CT-1 (X)	04		Chapter 2 – Polynomials	Introduction Ex 2.1 Zeroes of a polynomial Ex 2.2	ES-1 (XII)/ CT-1 (X) Date: 01-08 May
	II	08-12	08 : ES-1 (XII)/ CT-1 (X) 11,12 – The Quest	05		Chapter 2 - Polynomials	Zeroes of a polynomial Ex 2.2	
	III	15-20	20- Working Saturday (Open House X & XII)	06		Chapter 2 - Polynomials	Factorization of polynomials Ex 2.3 Algebraic identities Ex 2.4	
***** SUMMER BREAK 22 MAY -30 JUN 2023 *****								
Jul-23	I	01-	01- School reopens for staff	01				PT-I Class VI-X Date: 07 Jul – 19Jul
	II	03-07		05				Chapter 1 – Number

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						Chapter 2 - Polynomials Chapter 6 – Lines And Angles	Algebraic identities Ex 2.4 Introduction Ex- 6.1	System Chapter 2 – Polynomials Ex – 2.1 , 2.2 , 2.3 ES-2 (XII): 07 Jul – 19Jul
	III	10-14		05		Chapter 6 – Lines And Angles	Parallel Lines and Transversal Ex – 6.2	
	IV	17-22	22 – Working Saturday (Students)	06		Chapter 7 – Triangles	Introduction Congruence of triangles Ex 7.1 Some properties of a triangle Ex 7.2	
	V	24-28	29-Muharram	05		Chapter 7 – Triangles	Some properties of a triangle Ex 7.2 More criteria of congruence Ex 7.3	
	VI	31		01		Chapter 7 – Triangles	More criteria of congruence Ex 7.3	
Aug-23	I	01-05	05 – Working Saturday (Open House (VI-X), XII)	05		Chapter 3 – Coordinate Geometry	Introduction Ex 3.1	

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							Cartesian System Ex 3.2	
	II	07-11		05		Chapter 4 – Linear Equation in Two Variable	Introduction General form of Linear Equation In Two Variables. Exercise 4.1	
	III	14-18	15 – Independence Day	04		Chapter 4 – Linear Equation in Two Variable	Introduction General form of Linear Equation In Two Variables. Exercise 4.1 Solution of linear equations Ex 4.2	
	IV	21-26	24,25-Class Test 26-Working Saturday (Students) 26-Annual Prize Distribution	06		Chapter 4 – Linear Equation in Two Variable	Solution of linear equations Ex 4.2	ES-1 (XI): 21 Aug – 25 Aug
	V	28-32	30-Raksha Bandhan 28,29 -Class Test	03		Chapter 5 – Introduction to Euclid's Geometry	Introduction Euclid's Definitions, Axioms and Postulates	

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							Exercise – 5.1	
Sep-23	I	01	01 -Class Test	01			Revision	
	II	04-08	07-Janmashtami	04		Mid Term/ HYE Exam		Mid Term (PT-II)/ HYE Date 11-23 Sep Chapter 1 – Number System Chapter 2 – Polynomials Chapter 3 – Coordinate Geometry Chapter 4 – Linear Equation in one Variable Chapter 5 – Introduction to Euclid's Geometry Chapter 6 – Lines And Angles Chapter 7 – Triangles
	III	11-16	16 – Working Saturday (Students)	06				
	IV	18-23	23 – Working Saturday (Students)	06				
	V	25-30	28-Milad-un-Nabi	04		Chapter 10 – Heron's Formula	Introduction to area of Triangle using Heron's formula	
Oct-23	II	02-07	02-Mahatma Gandhi's Birthday 07-Annual Prize Distribution	05		Chapter 10 – Heron's Formula	Exercise 10.1	
	III	09-14	14- Working Saturday(Open House VI-XII)	06		Chapter-8 Quadrilaterals	Introduction Types of quadrilaterals Properties of parallelogram	

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							Ex- 8.1	
	IV	16-20		05		Chapter-8 Quadrilaterals	Ex- 8.1 Mid – point Theorem , Converse of Mid – point Theorem	
	V	23-27	23– Autumn Break 24- Dussehra 28-Maharishi Valmiki's Birthday	03		Chapter-8 Quadrilaterals	Ex- 8.2	
	VI	30-31		02		Chapter- 9 Circles	Angle subtended by chord at any point Ex – 9.1	
*** Autumn Break 23 Oct 2023 ***								
Nov-23	I	01-04	01– Karwa Chouth 04 – Working Saturday (Students)	03		Chapter- 9 Circles	Perpendicular from centre to chord , Equal chords and their distances from the centre Ex – 9.2	
	II	06-10	07 – Annual Day	05		Chapter- 9 Circles	Ex – 9.2 Angle subtended by an arc of a circle Ex – 9.3	

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	III	13-18	11-15 – Diwali Break	03		Chapter- 9 Circles	Angle subtended by an arc of a circle Ex – 9.3	PT-III (VI-VIII): 17 Nov-14 Dec PT-III (IX & X): 20 Nov-30 Nov
	IV	20-24		05		Chapter- 9 Circles Chapter-11 Surface Areas and Volumes	Angle subtended by an arc of a circle Ex – 9.3 Surface area of a right circular cone Ex 11.1	Chapter 1 – Number System Chapter 2 – Polynomials Chapter 3 – Coordinate Geometry Chapter 4 – Linear Equation in one Variable Chapter 5 – Introduction to Euclid's Geometry Chapter 6 – Lines And Angles Chapter 7 – Triangles
	V	27-30	27 – Guru Nank's Birthday	03		Chapter-11 Surface Areas and Volumes	Surface area of a right circular cone Ex 11.1 Surface area of a sphere Ex 11.2	Chapter 8 – Quadrilaterals Chapter 10 – Heron's Formula
Dec-23	I	01-02	01,02 – Annual Athletic Meet	02		Chapter-11 Surface Areas and Volumes	Surface area of a sphere Ex 11.2	ES-2 (XI): 21 Nov-14 Dec MPB (XII): 20 Nov-30 Nov

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	II	04-09	09 – Sports Day	06		Chapter-11 Surface Areas and Volumes	Volume of a cone Ex 11.3 Volume of sphere Ex – 11.4	
	III	11-16	16-Working Saturday, Open House (IX,X & XII)	06		Chapter-11 Surface Areas and Volumes	Volume of sphere Ex – 11.4	
	IV	18-22	20-22 – TAFS MUN 24,25 – Christmas Holidays	05		Chapter 12 – Statistics	Introduction Presentation of data Histogram and Frequency polygon Ex12.1	
	*** Winter Break from 26 Dec to 05 Jan 2024 ***							
Jan-24	I	08-12		05		Chapter 12 – Statistics	Introduction Presentation of data Histogram and Frequency polygon Ex12.1	Pre-Board (X & XII): 09 Jan-23 Jan

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	II	15-20	20-Working Saturday, Open House (VI- VIII, XI)	06			Revision	
	III	22-27	26-Republic Day 27- Farewell XII	05			Revision	
	IV	29-31		03			Revision	
Feb-24	I	01-03	01,02- Class Test 03-Working Saturday, Citation Ceremony, Open House (X& XII)	03			Revision	
	II	05-09	05-08- Class Test	05				Annual Exam Class IX & XI – 07 Feb-21 Feb 2023
	III	12-16		05				Chapter 1 – Number System
	IV	19-23		05				Chapter 2 – Polynomials Chapter 3 – Coordinate Geometry Chapter 4 – Linear Equation in one Variable Chapter 5 – Introduction to Euclid's Geometry Chapter 6 – Lines And Angles

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								Chapter 7 – Triangles Chapter 8 – Quadrilaterals Chapter 9 – Circles Chapter 10 – Heron's Formula Chapter 11- Volume And Surface Area Chapter 12 - Statistics
	V	26-29		04				
Mar-24	Annual Exam Classes VI-VIII – 26 Feb-11 Mar 2024							

Note: The examination syllabus as mentioned above is to be considered Tentative. The final syllabus for each exam will be uploaded on the website along with the Date Sheet at the time of the examination.