

ANNUAL CURRICULUM PLAN (2025-26)

MATHS

Class - III

Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
April (22 days)	1. Large Numbers	11	To make them understand the concepts of Reading and writing numbers, Place value & Face Value, Expanded form. Comparing and ordering of numbers, Rounding off numbers.	Form the greatest and smallest no. by arranging the 4-digits. Write the no. names for it also and compare them	Ch. 2 - Analogy and Classification	SDG-4	Creative thinking, Independent thinking, Critical thinking Numeracy Problem Solving	
	2. Addition	11	To make them understand the addition of 3 digit numbers, Adding thousands, Rounding off	Write your 10 digits contact number. Divide it in two parts. Find sum by adding both nos.		SDG-8	Pattern Problem Numeracy Problem Solving	
July (27 days)	3. Subtraction	9	To make them understand the subtraction of 3 digit numbers, Rounding off and estimating the difference, applying subtraction, Addition and subtraction together	Write nos. from 0 to 9 on small colourful sheets (two sets) Make two 5 digits nos. and find their sum & their difference	Ch. 3- Alphabet Test	SDG-8	Creative thinking,	
	4. Multiplication	9	To make them understand the concept of multiplication Multiplying 2 and 3 digit number by 1 digit no. and application of multiplication in real life.	Take double dices and roll both dice, whichever number appears on both the dice, we will multiply those two numbers	Ch.4- Coding - Decoding	SDG-2,7	Digital Literacy Logical reasoning	
	5. Patterns & Symmetry (Activity based)	3	To make them understand the concepts of patterns in nature, making patterns with shapes, colours and numbers, Patterns with tiles symmetry.	Write alphabets from A to Z on a sheet and draw line of symmetry	Ch.1- Patterns	SDG-11	Critical thinking Creativity	
Periodic Assessment - 1 (6 days)								
August (21 days)	6. Division	6	To make them understand equal sharing, Terms used in division, Multiplication and Division are related, Division facts, Applying division.	Divide small numbers mentally	Ch.5- Ranking Test	SDG-8	Critical thinking Comprehensive development Problem solving	
	7. Long Division	7	To make them understand Long division and verifying division, Applying long division.	Write your birth year, divide it by your current age and find the quotient & remainder	Ch.6 -Grouping of Figures and Matrix	SDG-2,9	Creative thinking Numeracy Logical reasoning	
	8. Fractions	8	To make them understand A whole and a fraction, parts of a fraction, comparison of fractions, applying fractions	Comparing unlike fraction by paper strips of equal length.		SDG-9	Creative thinking, Collaboration Visual Spatial skills	

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MATHS Class - III

Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
September (21 days)	9.Geometry	8	To make them understand the basic elements of Geometry	Draw 2D figures and write any two examples from your surrounding	Ch-8 Geometrical Shapes	SDG-11	Creative thinking Critical thinking Visual Spatial understanding	
	10. Measurement	9	To make them understand the concept of conversion of units of length, Mass & capacity, Addition & subtraction of capacity, Applying measurement of capacity.	Ask the students to find 5 examples through which we can measure the – Length, Breadth & height Sudoku-1		SDG-6	Critical thinking Logical reasoning App-based learning	
	Half Yearly Examination (Revision)							
October (5 days)	11.Time	5	To make them understand the concept of time in Quarter past and Quarter to, Calendar, Writing the date, Converting time	Count the no. of days in the months with the help of your fist and note down them on a sheet.	Ch-11 Clock and Calender	SDG-8	Creative thinking (Rich imaginatin) Critical thinking Collaboration	
November (9 days)	11.Time	9	To make them understand the concept of time in Quarter past and Quarter to, Calendar, Writing the date, Converting time	Count the no. of days in the months with the help of your fist and note down them on a sheet.	Ch-11 Clock and Calender	SDG-8	Critical thinking Time management Memory retention	
December (17 days)	12.Money	9	To make them understand the concepts of Indian currency, converting units of money, operation of money, Applying operations on money, making bills on purchases.	Ask the students to choose any 5 items displayed in the classroom and make the bill for the same.	Ch-9 Embedded Figures	SDG-1 SDG-12	Critical thinking Creative thinking Financial literacy Problem solving	
	13.Data handling	6	To make them understand the concept of pictograph, Data using Tally marks & Bar graphs.	Students will mark Tally marks of the nos. appear on the dices. To ask the students about their favourite ice-cream flavor and draw a pictograph Sudoku-2	Ch-7 Mirror Images Ch-10 Possible Combination	SDG-3	Collaborative learning Analytical thinking	

January

ANNUAL EXAMINATION (REVISION)

ANNUAL CURRICULUM PLAN (2025-26)

MATHS								Class-IV	
Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on	
April (22 days)	1.Large Numbers	11	To make them understand the concepts of Place value System, Comparing And Ordering Numbers, Rounding off, Roman numerals.	Ask the students to write a 8 digit nos. Form the greatest and smallest no. by arranging the digits. Write the no. name also.	Ch-1 Patterns	SDG-4	Critical thinking Numeracy Problem solving		
	2.Addition and Subtraction	11	To make them understand the concept of addition and subtraction of large numbers with and without regrouping, Estimating the sum and Difference, Application of Addition and Subtraction & Addition and Subtraction together.	Ask the students to write the contact no. of him and his friend. Find the sum and difference of the two numbers.	Ch-2 Alphabet Test	SDG-8	Comprehensive development Critical thinking Numeracy		
July (27 days)	3.Multiplication	8	To make them understand the concept of properties of multiplication, multiplication by 1,2,3 digits. Estimating the product, application related to it.	Take double dices and roll both dice, whichever number appears on both the dice, we will multiply those two numbers.	Ch-3 Coding - Decoding	SDG-2,7	Critical thinking Logical reasoning		
	4.Division	8	To make them understand the concept of properties of division, division by 1,2 digits, Division by 10,100,1000, Applications related to it.	Divide small nos. mentally.	Ch-4 Ranking Test	SDG-8	Critical thinking, Comprehensive development		
	9.Symmetry & Patterns	4	To make them understand the concepts of symmetry, Reflection, Patterns, tessellation, coding and decoding	Write alphabets from A to Z and draw line of symmetry. Draw mirror image	Ch-6 Geometrical Shapes and Solids	SDG-5,8	Creative thinking,		
			5	Periodic Assessment - 1 (Revision)					
August (21 days)	5.Factors & Multiples with LCM & HCF	11	To make them understand the concepts and properties of multiples and factors, finding multiples and factors, Prime by composite numbers, prime factorisation, HCF and LCM. Test of divisibility.	Write nos. from 1 to 100 on a colourful sheet and highlight the numbers as prime and composite	Ch-5 Mirror Images	SDG-4,10	Critical thinking Logical decisions Numeracy Problem solving		
	6.Fractions	5	To make them understand the concepts of fractions, Application, Types of fraction, conversion of fractions, Addition and subtraction of like fraction.	Use colourful circles and show different fractions	Ch-7 Embedded Figures	SDG-9	Creative thinking, Critical thinking Visual Spatial skills		
	14.Data Handling	5	To make them understand the concept of pictograph, Circle graph, Bar graph.	Students will mark Tally marks of the nos. appears on the dices. To ask the students about their favourite ice-cream flavor and draw a pictograph		SDG-3	Collaborative learning Creative thinking Analytical thinking		

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MATHS								
Class-IV								
Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
September (21 days)	7.Decimals	6	To make them understand the concepts of decimals, converting fraction to Decimals and vice versa, comparing and ordering decimals, Addition and subtraction of decimals Application	Ask the students to solve the given puzzle.	Ch-8 Directions Sense Test	SDG-9	Critical thinking (Logical decisions) Technology literacy Problem solving	
	10. Measurement	6	To make them understand the concept of lengths, Mass & capacity, conversion of units, Addition and Subtraction of units	Ask the students to identify any 5 objects from their surrounding and classify them in length, Mass and capacity	Ch-9 Possible Combination	SDG-6	Critical thinking Creative thinking Technology literacy Problem solving Time management	
	12.Time	6	To make them understand the concept of Reading time, 12 hr and 24 hr clock time, conversion of time, Addition and Subtraction of time, Application	Count the no. of days in the months with the help of your fist and note down them on a sheet. Sudoku-1	Ch-11 Clock and Calender	SDG-8	Critical thinking (Logical decision) Technology literacy Problem solving Time management	
Half Yearly Examination (Revision)								
October (5 days)	11.Perimeter and Area	5	To make them understand the concepts of perimeter of Triangle, Rectangle & square and Area of Irregular shapes, Application	Ask the students to select any three objects (Rectangle, Square and triangle) and find their perimeter.		SDG-11 SDG-9	Critical thinking (Logical decision) Creative thinking Collaboration	
November (9 days)	11.Perimeter and Area	9	To make them understand the concepts of perimeter of Triangle, Rectangle & square and Area of Irregular shapes, Application	Ask the students to select any three objects (Rectangle, Square and triangle) and find their perimeter.		SDG-3	Critical thinking (Logical decision) Creative thinking Spatial Awarding Measurement	
December (17 days)	8.Geometry	8	To make them understand the concept of point, line, line segment, Ray, Measuring a line segment, Types of angles, Polygons, Circle	Ask the students to show the types of angles using matchsticks.	Ch-10 Analogy and Classification	SDG-11 SDG-1	Critical thinking (Logical decision) Financial literacy Problem solving Visual Spatial	
	13.Money and Unitary method	7	To make them understand the operations of money, Application, Unitary method.	Ask the students to make the bill of the displayed items. Sudoku-2		SDG-12 SDG-1	Critical thinking (Logical decision) Creative thinking Memory Retention	
ANNUAL EXAMINATION (REVISION)								

ANNUAL CURRICULUM PLAN (2025-26)

MATHS								Class -V							
Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on							
April (22 days)	1.Large Numbers	11	To make them understand the concepts of 7 and 8 digit nos., Indian &International place value system, Ordering & Comparing, Rounding off and Roman numerals.	Write your date of birth in both place value system, compare them and form the greatest and the smallest number from them.	Ch-1 Patterns	SDG-9 SDG-4	Critical thinking (Logical decision, Examines problems)								
	2.Number Operations	11	Addition, Subtraction, Multiplication and Division, Application in real life, Profit and Loss, Average	Solve puzzle given in book. (page no. 33 in book)	Ch-1 Analogy and Classification	SDG-4	Critical thinking, Examines problems, Logical decision Problem Solving								
July (27 days)	3.Factors and Multiples	8	To make them understand the concept of Factors & Multiples and HCF & LCM, Divisibility rules, Prime & Composite numbers	Write total no. of students in their class and check its divisibility by 2,3,4,5,6,8,9,10 & 11	Ch-3 Geometrical Shapes	SDG-4 SDG-5	Critical thinking Comprehensive development Logical thinking								
	4.Fractions	10	To make them understand the concept of fraction. Ordering & Comparing of fractions, Addition, Subtraction, Multiplication and Division of fractions	Colour the parts according to given fraction. Write the fraction according to giving figure.	Ch-4 Mirror and Water Images	SDG-4	Critical thinking, Collaboration Creativity								
	5.Decimals	5	To make them understand the concepts of decimals, Fractions as decimals. Equivalent decimals.		Ch-5 Direction Sense Test	SDG-9	Collaborative learning Critical thinking (Logical decisions)								
PT-1 Exam (Revision)															
August (21 days)	5.Decimals	8	Comparing and ordering of decimals, Addition, Subtraction, Multiplication and Division of decimals	Conversion of decimal of fractions Activity given on page no. 88	Ch-5 Direction Sense Test	SDG-14,15	Collaborative learning Critical thinking (Logical decisions)								
	7. Percentage	7	To make them understand the concepts of fraction to percentage & vice-versa and decimal to percentage & vice-versa	Find percentage of your PT-1 Exam Activity - Page No. 108		SDG-9 SDG-11	Collaborative learning (Cheerful & friendly) Creative thinking, (constructive solution) Problem solving Spatial thinking								
	13.Data Handling	6	To make them understand the concepts of drawing a Bargraph, Circle graph & line graph	Draw bar graph of the given data.		SDG-3,1	Critical thinking (Logical decision) Creative thinking (think out of the box) Innovative skills Analytical thinking								

ANNUAL CURRICULUM PLAN (2025-26)

MATHS

Class - V

Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
September (21 days)	6.Symmetry, Patterns and Nets	2	To make them understand the concepts of line of symmetry, Turning shapes, Pattern, Nets, views and drawing 3D shapes.	Make 2-D and 3-D shapes	Ch-6 Ranking test, Alphabet test and Logical sequence of words	SDG-11 SDG-4 SDG-9	Creative thinking, Critical thinking (Listen & gives feedback)	
	8. Measurement	6	To make them understand the concept of measuring lengths, Mass & capacity, use of decimals in converting units of length, mass & capacity, operation of units and application	Measures the length of given objects and convert it into given units.	Ch-7 Puzzle Test	SDG-4 SDG-9	Critical thinking Creative thinking (think out of the box, Rich imagination)	
	15.Introduction to Algebra	2	To make them understand the concepts of Algebra, variable & constants, An algebraic expression	Make the algebraic expressions for the family member's age.		SDG-4 SDG-5	Critical thinking (Examines problems)	
	10.Geometry	7	To make them understand the basic concept of Geometric figures, Angles, Triangles, Quadrilateral, Circle, Polygons	Presentation on: Types of Angles, Triangles, Polygons, Circle Sudoku-1	Ch-8 Coding Decoding	SDG- 4 SDG-17	Critical thinking (Logical decision, examine problems) Collaborative learning (Cheerful & friendly, team player)	
Half Yearly Examination (Revision)								
October (5 days)	9. Area & Volume	5	To make them understand the basic concepts of Area of basic shapes, volume of cube & cuboid, Application of Area and volume	Measure the length, breadth & height of any item from his bag and find the Area & Volume of it.		SDG-4 SDG-12	Critical thinking Creative thinking Learning Social thinking	
November (9 days)	11.Time & Temperature	9	To make them understand the concept of time, conversion of units, Addition, Subtraction, Multiplication & Division of time, Temperature, Thermometer	Convert maximum temperature of five cities of Fahrenheit.	Ch-9 Clock and Calender	SDG-13 SDG-4	Collaborative learning Critical thinking (Logical decisions) Global awareness	
December (20 days)	12.Money	10	To make them understand the concepts of C.P. and S.P., Profit & Loss, Making bill, Application in real life.	Prepare bill for the displayed items in the classroom.		SDG-4 SDG-8	Critical thinking (Logical decision) Social skills	
	14.Mapping skills	10	To make them understand the concepts of a map, directions, scale, index	Draw symbols used in maps. Sudoku-2		SDG- 4 SDG-11	Critical thinking (Logical decision)	

ANNUAL EXAMINATION (REVISION)

ANNUAL CURRICULUM PLAN (2025-26)

MATHS		Class - VI						
Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
April (22 days)	1. Patterns in Mathematics	11	Students will be able to :- • search for patterns and explaining its existence. • enhance creativity	Pictorial Representation of Hexagonal numbers	Ch.1 Series completion and inserting Ch.2 Analogy and Classification	SDG-9 SDG-17	• Creative thinking (rich in imagination) • Literacy skill	
	2. Lines and Angles	11	Students will be able to :- • explore basic idea of geometry (line, line segment, ray, angles etc.)	Mark all types of angles in a clock.	Ch.3 Coding - Decoding	SDG-9 SDG-4	• Critical thinking (Logical decisions) • Creativity	
July (27 days)	3. Number Play	11	Students will be able to :- • learn different patterns of numbers, make and discover it. • enhance computational thinking.	Sudoku - 1	Ch.4 Blood Relations Ch.5 Direction sense test	SDG-9 SDG-4	• Critical thinking (think out of box) • Creative thinking	
	4. Data Handling	12	Students will be able to :- • explore ways to handle data and display them. • practice to collect, organize and analyze data.	Draw a graph to compare the heights of tallest mountain on each continents.	Ch.6 Logical Venn Diagrams	SDG-13 SDG-17 SDG-4	• Critical thinking • Comprehensive development • Information literacy & Digital litycy	
PT-1 REVISION								
August (21 days)	6. Perimeter and Area	12	Students will be able to :- • revise formula for perimeter of square, rectangle and other polygon. • recall area of closed figure.	Draw different figure on a graph sheet and count estimate area of them	Ch.7 Alpha numeric Sequence puzzle Ch.8 Mathematical Operations	SDG-13 SDG-14 SDG-11	• Critical thinking • Constructive solution	
	5. Prime Time	9	Students will be able to :- • understand the concept of Prime, Composite, factors and multiples.	Sudoku - 2	Ch. 9 Analytical Reasoning	SDG-4 SDG-17	• Creative thinking	
September (21 days)	7. Fractions	6	Students will be able to :- • understand Fraction, its types and comparison through number line. • addition & subtraction by Brahmagupta's method.	Make fraction wall Sudoku - 3	Ch.10 Mirror and water images Ch.11 Embedded figures, figure formation	SDG-12 SDG-17 SDG- 8	• Creative thinking • Critical thinking • Collaborative learning • Innovation skill	
	8. Playing with Construction	9	Students will be able to :- • learn to construct, circle, rectangle, square. • learn to draw different figures using mathematical concept.	Construct house and eyes by using compass and geometrical concepts.	Ch.12 Figure matrix Ch.13 Paper folding and paper cutting	SDG-9 SDG-11 SDG-8	• Creative thinking • Critical thinking • Collaborative learning	
Half Yearly Examination (Revision)								

ANNUAL CURRICULUM PLAN (2025-26)

MATHS Class - VI

Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
October (5 days)	9. Symmetry	5	Students will be able to :- <ul style="list-style-type: none"> recognize and compare shapes which are in symmetry. Identify symmetrical figures and draw lines of symmetry. 	Sudoku - 4	Ch.14 Cubes and dice	SDG-4 SDG-11	<ul style="list-style-type: none"> Creative thinking Critical thinking Technology and digital skill Information literacy 	
November (9 days)	9. Symmetry	9	Students will be able to :- <ul style="list-style-type: none"> recognize and compare shapes which are in symmetry. Identify symmetrical figures and draw lines of symmetry. 	Draw different figure having multiple lines of symmetry and paste symmetrical structures like in butterfly .	Ch.15 Dot Situations	SDG-4 SDG-11	<ul style="list-style-type: none"> Creative thinking Critical thinking 	
December (17 days)	10. The other side of Zero	10	Students will be able to :- <ul style="list-style-type: none"> learn about negative numbers and its uses in life. on Number line representation. perform addition/ subtraction by Brahmagupta's method. 	Sudoku - 5 Make your own snake and ladder game based on Integers.	Ch.16 Clock and Calender	SDG-9 SDG-13 SDG-4	<ul style="list-style-type: none"> Critical thinking Creative thinking 	

Revision

ANNUAL CURRICULUM PLAN (2025-26)

MATHS

Class - VII

Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
April (22 days)	1. Integers	9	Students will be able to understand :- <ul style="list-style-type: none"> verify and explain the different properties of addition, subtraction, multiplication and division of integers. solve real life problems related to integers and solve the numerical expressions by using BODMAS rule. 	Complete the Cross no. puzzle	Ch.1 Series completion and inserting	SDG-9 SDG-17	<ul style="list-style-type: none"> Creative thinking Critical thinking Literacy skills 	
	2. Fraction and Decimals	9	Students will be able to understand :- <ul style="list-style-type: none"> solve the addition, subtraction, multiplication and division of fractions and multiplication and division of decimal numbers. solve problems related to daily life situations. 	Represent the product of the following decimal numbers on a grid papers 0.7×0.5	Ch.2 Analogy and classification	SDG-4	<ul style="list-style-type: none"> Creative thinking Constructive solution Literacy skills 	
	13. Visualizing solid shapes	4	Students will be able to understand :- <ul style="list-style-type: none"> the concept of solid shapes represent 3D shapes on a plane surface such as on a sheet of paper. 	To make net of 3-D shapes by using paper and cardboard.	Ch.3 Coding - Decoding	SDG-4	<ul style="list-style-type: none"> Creative thinking Literacy skills 	
July (27 days)	3. Data Handling	8	Students will be able to understand :- <ul style="list-style-type: none"> the collection and organization of data, representative values (mean, mode and median), drawing of bar graphs, chance and probability. 	Collect the data of price rate of your subject books and draw a bar graph.	Ch.4 Blood Relations	SDG-4 SDG-9	<ul style="list-style-type: none"> Critical thinking Creative thinking Independent thinking 	
	4. Simple Equations	9	Students will be able to understand :- <ul style="list-style-type: none"> the concept of simple equation. express simple equation to verbal form and vice versa. explore different examples from daily life situation and find their solutions. 	Solve the following riddle: I am a no. Tell my identity. Take me six times over and add a fifty.	Ch.5 Direction sense test	SDG-17 SDG-4	<ul style="list-style-type: none"> Creative thinking (independent thinking) Information literacy & digital literacy 	
	5. Line and angles	6	Students will be able to understand :- <ul style="list-style-type: none"> the concept of lines and angles. the pair of angles based on their properties as complementary, supplementary and vertically opposite angles. the examples of various pairs of angles. 	Vertically opposite angles	Ch.6 Logical Venn Diagram	SDG-17 SDG-4	<ul style="list-style-type: none"> Creative thinking (rich imagination) Critical thinking (logical decision) Information literacy & digital literacy 	
PT-1 REVISION								
August (21 days)	8. Rational numbers	5	Students will be able to understand :- <ul style="list-style-type: none"> positive and negative rational numbers. representing rational numbers on number line. find one rational number between two given rational numbers, word problems. 	Crossword Puzzle of rational number.	Ch.7 Alpha Numeric Sequence Puzzle	SDG-4	<ul style="list-style-type: none"> Critical thinking (logical decisions) 	

ANNUAL CURRICULUM PLAN (2025-26)

MATHS

Class - VII

Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
August (21 days)	6. The Triangle and its properties	8	Students will be able to understand :- <ul style="list-style-type: none"> property of triangles. classify the triangle based on sides and angles. find unknown measurement in a triangle by using its properties. 	To verify that the sum of all interior angles of a triangle is 180° by paper cutting and paper pasting method.	Ch.8 Mathematical Operations	SDG-4	<ul style="list-style-type: none"> Creative thinking (constructive solution) Critical thinking 	
	7. Comparing Quantities	8	Students will be able to understand :- <ul style="list-style-type: none"> to demonstrate the concept of percentage, profit and loss, simple interest and ratio. solve real life problems related to topics. 	What percentage of shaded part and compare them?	Ch.9 Analytical reasoning	SDG-4 SDG-17	<ul style="list-style-type: none"> Creative thinking Critical thinking 	
September (21 days)	7. Comparing Quantities	6	<ul style="list-style-type: none"> to demonstrate the concept of percentage, profit and loss, simple interest and ratio. solve real life problems related to topics. 	Use bar graph and colour them with 4 different colours and find the percentage of shaded part and compare them.	Ch.10 Mirror and water images	SDG- 8 SDG-4 SDG-17	<ul style="list-style-type: none"> Critical thinking Creative thinking Innovative skill 	
	11. Exponents and powers	10	Students will be able to understand :- <ul style="list-style-type: none"> simplify exponential expressions by using exponent rules. concepts of exponents and powers. solve daily life problems related to exponents and powers. 	Make a chart of laws of exponent Sudoku-1	Ch.11 Embedded figures, figure formation Ch.12 Figure Matrix	SDG- 4 SDG-17	<ul style="list-style-type: none"> Critical thinking Collaboration Thinking skill 	
Half Yearly Examination (Revision)								
Oct.+ Nov. (5+9 days)	10. Algebraic expressions	5 + 9	Students will be able to understand :- <ul style="list-style-type: none"> to demonstrate the concept of operations on Algebraic expressions. identify the coefficient of terms and classify like and unlike terms. addition and subtraction of algebraic expressions. 	Crossword Puzzle of algebraic expression.	Ch.13 Paper folding and Paper cutting	SDG-4	<ul style="list-style-type: none"> Creative thinking Technology & digital skill Information literacy 	
December (17 days)	9. Perimeter and Area	10	Students will be able to understand :- <ul style="list-style-type: none"> perimeter and Area of rectangle and square. area of parallelogram , area of triangles and circles solve daily life problems related to Perimeter and Area. 	Take a five rupee coin, measure the radius and diameter of the coin and then find the area and circumference of the coin	Ch.14 Cubes and dice	SDG-9 SDG-11 SDG-4	<ul style="list-style-type: none"> Critical thinking (examine problems) Thinking skill 	
	12. Symmetry	7	Students will be able to understand :- <ul style="list-style-type: none"> the concept of congruency of various shapes, alphabets and objects. recognize and compare shapes which are in symmetry. identify the symmetrical figures and draw lines of symmetry. 	To find line and rotational symmetry of many objects in your class and home. Sudoku-2	Ch.15 Dot Situations Ch. 16 Clock and Calendar	SDG- 9 SDG-4	<ul style="list-style-type: none"> Creative thinking (independent thinking) Thinking skill 	
January	Revision							

ANNUAL CURRICULUM PLAN (2025-26)

MATHS								
Class - VIII								
Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
April (22 days)	1. Rational numbers	6	Students will be able to understand :- <ul style="list-style-type: none"> understand positive and negative rational numbers. represent rational numbers on number line. find a rational number between two given rational numbers, word problems. properties of rational numbers, Additive inverse and multiplicative inverse. 	Represent $\frac{12}{5}$ and $-\frac{12}{5}$ on number line.	Ch.1 Series Completion and Inserting	SDG-9 SDG-4	<ul style="list-style-type: none"> Creative thinking (constructive solution, independent thinking) 	
	5. Squares and Square roots	10	Students will be able to understand :- <ul style="list-style-type: none"> properties of perfect squares. Squares, Prime Factorization method for square root, Division methods for finding Square Root, square root of Decimal numbers. 	Observe the following no. pattern and generate it up to next five steps $(1)^2 = 1, (11)^2 = 121, (111)^2 = 12321$	Ch.2 Analogy and Classification	SDG-9 SDG-4	<ul style="list-style-type: none"> Creative thinking (constructive solution), critical thinking (logical decisions) 	
	6. Cube and cube roots	6	Students will be able to understand :- <ul style="list-style-type: none"> properties of a perfect cube, Cube root of a number through prime factorization. method of estimation 	Observe the pattern $2^3 - 1^3 = 1 + 2 \times 1 \times 3,$ $3^3 - 2^3 = 1 + 3 \times 2 \times 3,$ $4^3 - 3^3 = 1 + 4 \times 3 \times 3.$ using pattern. Find value of $8^3 - 7^3$	Ch.3 Coding - Decoding	SDG-4	<ul style="list-style-type: none"> Creative thinking (constructive solution), Critical thinking 	
July (27 days)	8. Algebraic expression and identities	9	Students will be able to understand :- <ul style="list-style-type: none"> Addition, Subtraction, Product of Monomials, Binomials and trinomials, Special products known as identities Use various algebraic identities in solving problems of daily life. 	To verify the algebraic expression. Identity by using glazed papers of different colour & Worksheet	Ch.4 Blood Relations	SDG-4	<ul style="list-style-type: none"> Creative thinking (constructive solution), Critical thinking (examines problems) 	
	12. Factorisation	14	Students will be able to understand :- <ul style="list-style-type: none"> factorization Factors of a monomial HCF of two or more monomials factorization of an algebraic expression division of polynomials 	Worksheet	Ch.5 Direction Sense Test	SDG-17 SDG-4	<ul style="list-style-type: none"> Critical thinking (examines problems) 	
PT-1 REVISION (4 days)								
August (21 days)	10. Exponents & powers	10	Students will be able to understand :- <ul style="list-style-type: none"> exponent as a negative integer. law of exponents and its application power with negative exponent use of exponents to express small numbers in standard form 	Observe the following pattern $1 + 1 = 2 = 2^1, 1 + 2 + 1 = 4 = 2^2$ $1 + 3 + 3 + 1 = 8 = 2^3$ find $1+4+6+4+1=?$ $1+5+10+10+5+1=?$	Ch.6 Logical Venn Diagram Ch.7 Alpha Numeric Sequence Puzzle	SDG-4	<ul style="list-style-type: none"> Critical thinking (examine problems) 	
	3. Understanding Quadrilaterals	11	Students will be able to understand :- <ul style="list-style-type: none"> types of curves (Concave and Convex), Polygons. equiangular and regular polygon, properties of parallelogram, rectangle, rhombus, square, Interior and exterior angles 	Prepare a chart on types of Quadrilateral & their properties..	Ch.8 Mathematical Operations	SDG-4	<ul style="list-style-type: none"> Creative thinking (constructive solution) 	

ANNUAL CURRICULUM PLAN (2025-26)

MATHS Class - VIII

Month	Chapter no. and Name	Day	Learning Objectives	Subject Enrichment Activity	MAB	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
September (21 days)	2.Linear Equations in one variable	10	Students will be able to understand :- <ul style="list-style-type: none"> Solving equation which have linear expression on one side and numbers on other Real life problems by converting them into mathematical statements 	See the figure and answer	Ch.9 Analytical reasoning Ch.10 Mirror and Water Images.	SDG-10 SDG-4	<ul style="list-style-type: none"> Critical thinking (logical decision ,examines problems) 	
	4. Data Handling	6	Students will be able to understand :- <ul style="list-style-type: none"> Frequency distribution table, Construct, read and interprets a bar graph, histogram, pie chart. 	Look at the given graph carefully and then make a pie chart. Sudoku-1	Ch.11 Embedded Figure, Figure formation	SDG- 3 SDG-17	<ul style="list-style-type: none"> Creative thinking (constructive solution), Critical thinking 	
Half Yearly Examination Revision								
Oct. + Nov. (5 + 9 days)	11.Direct and Inverse variation	5 + 9	Students will be able to understand :- <ul style="list-style-type: none"> Concept of Direct variation and Inverse variations To use the concepts of Direct and inverse variations in daily life. 	At the time of evening students will cover 2 km distance by walking and second day student will cover same distance by cycling then they will note their timing and after two days they will decide which kind of proportion is used here.	Ch.12 Figure Matrix Ch.13 Paper folding and paper cutting	SDG- 4 SDG-3 SDG-11	<ul style="list-style-type: none"> Critical thinking (rationalise statements, logical decision) 	
December (17 days)	9. Mensuration	10	Students will be able to understand :- <ul style="list-style-type: none"> area of trapezium, quadrilateral and rhombus. Surface area of solids . Volume of solids 	Produce the formula to find the surface area of Cuboid	Ch-14 Cubes and dice.	SDG-9 SDG-3 SDG-11	<ul style="list-style-type: none"> Critical thinking (logical decisions) 	
	13. Introduction to graph	7	Students will be able to understand :- <ul style="list-style-type: none"> read a line graph, draw linear graphs use applications of line graph in daily life. 	Do a survey of your class students and collect the data from all the students of their height and draw a bar graph.	Ch.15 Dot situations	SDG-4 SDG-17 SDG-10	<ul style="list-style-type: none"> Creative thinking (constructive solution), Critical thinking 	
January (20 days)	7. Comparing Quantities	20	Students will be able to understand :- <ul style="list-style-type: none"> concept of percentage Profit and loss, Cost price, selling price and Discount simple interest and compound interest VAT and Sales tax uses aforesaid concepts in daily life. 	Imagine that a 10 x 10 grid has a value of 300 and this value is divided evenly among the small square in other words each small square is worth 3. Use a new grid for each part of this problem and label each grid value 300. Sudoku-2	Ch.16 Clock an Calendar	SDG- 4	<ul style="list-style-type: none"> Critical thinking (rationalise statements, examines problems) 	

Feb.

REVISION FOR ANNUAL EXAMINATIONS

ANNUAL CURRICULUM PLAN (2025-26)

MATHS Class - IX

Month	Chapter no. and Name	D	Learning Objectives	Sub. En. Act.	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
April (22 days)	1. Number system	13	Students will develop the ability :- <ul style="list-style-type: none"> to learn to insert rational numbers between two rational numbers. to represent Irrational Numbers on the number line. to understand Real numbers and their decimal expansions to represent Real numbers on number line. to learn addition, subtraction, multiplication and division of real numbers. to learn the method of rationalising. to apply Laws of Exponents in calculations involving exponents. 	To make a square root spiral by paper folding method.(Geometrically) Activity-1	SDG-4	Critical thinking Creative thinking skills.	
	3. Co-ordinate geometry	4	Students will develop the ability :- <ul style="list-style-type: none"> Cartesian system, quadrants. Plotting a point in the plane. 	To obtain the mirror image of a geometrical figure with respect to x axis and y axis. Activity-2	SDG-3 SDG-14 SDG-15	Critical thinking Creative thinking skills.	
	4. Linear equation in two variable	5	Students will develop the ability :- <ul style="list-style-type: none"> to find the solution of linear equation in two variables. to frame the linear equation for given word problems in daily life. 	worksheet	SDG-2	Problem solving skills	
May (12 days)	5. Introduction to Euclid Geometry	4	Students will develop the ability :- <ul style="list-style-type: none"> to understand the meaning of axioms and postulates to distinguish between axioms and postulates . 	worksheet	SDG-4	Problem solving skills	
	6. Lines and Angles	8	Students will develop the ability :- <ul style="list-style-type: none"> to recognise and define line, line segments & rays. to identify intersecting lines and non-intersecting lines. to understand Pairs of angles, Parallel lines and a transversal lines. 	Group Activity- To verify experimentally that if two lines intersect each other then i) vertically opposite angles are equal. ii) the sum of two adjacent angles is 180 degree. Activity - 3	SDG-9 SDG-11	Critical thinking skills, Examine problem Creative skills (constructed solution)	
July (27 days)	12. Statistics	9	Students will develop the ability :- <ul style="list-style-type: none"> recall basic terms of statistics learned in lower classes. understand the concept of data & process of its collection. prepare a grouped frequency table. understand how to draw a bar graph and histogram. verify which graph is suitable for the given data. 	Survey Based - Collect the data, convert into grouped data and draw histogram and frequency polygon (cost of cell phone of different companies Rs. 1000 to Rs.100000) Group activity	SDG-5	Data Analysis & Interpretation Technology skills	
	10. Heron's Formula	8	Students will develop the ability :- <ul style="list-style-type: none"> to recall triangle and Area of a triangle. to understand Heron's formula for finding area of a triangle. to apply Heron's formula in daily life. 	Group Activity - To develop the Heron's formula for area of a triangle by using different triangular objects. Activity - 4	SDG-13	Critical thinking skills, Examine problem Questions relevantly	

ANNUAL CURRICULUM PLAN (2025-26)

MATHS

Class - IX

Month	Chapter no. and Name	D	Learning Objectives	Sub. En. Act.	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed on
July (27 days)	2. Polynomials	10	Students will develop the ability :- <ul style="list-style-type: none"> classification of polynomial on the basis of the number of terms and degree. the method of using zeroes in order to find the remainder of the polynomial. the method of using identities in order to find the product of two polynomials and their factorization 	To verify the algebraic identity $(a+b)^2 = a^2 + b^2 + 2ab$ experimentally. Activity - 5	SDG-9	Critical thinking Creative skills (constructive solution)	
Pt1 Exam(4 days)							
August (21 days)	11. Surface Area and Volume	11	Students will develop the ability :- <ul style="list-style-type: none"> to recall plane figures and solid figures and differentiate them. identify different solid in the surrounding and define the vertices, base and edges. Understand the formulae for finding Surface area and Volume of a right circular cone, a sphere and hemisphere. to apply the formula in daily life. 	To form a cuboid find the formula for its surface area experimentally. Activity - 6	SDG-11	Critical thinking, Creative skills Independent thinking skills. (constructive solution)	
	7. Triangles	10	Students will develop the ability :- <ul style="list-style-type: none"> recall different types of triangles and their properties. draw different types of triangles. understand Congruence of triangles. prove theorems. 	To verify experimentally that the sum of the angles of a Quadrilateral is 360° Activity-7	SDG-9 SDG-11	Quantitative Reasoning Technology skills Real World Applications	
September (21 days)	8. Quadrilateral	9	Students will develop the ability :- <ul style="list-style-type: none"> recall different types of quadrilaterals. explore similarity and difference between different quadrilaterals. apply different theorems in the problems. prepare a presentation on the type of quadrilaterals and their properties. 	Activity-8 - To verify experimentally that the opposite angles of a cyclic quadrilateral are supplementary.	SDG-7	Quantitative Reasoning Technology skills Real World Applications	
	9. Circle	9	Students will develop the ability :- <ul style="list-style-type: none"> to define circle and its parts. to draw chords and segments and sectors of a circle. to determine centre, radius of a circle by construction. to understand theorems and apply them in different problems. to Recognise cyclic quadrilateral and its properties. 	1.To verify experimentally that angles formed in the same segment of a circle are equal. (Activity-9) 2. To verify Double angle Theorem experimentally. (Activity-10)	SDG-9	Critical thinking Creative skills (constructive solution)	
Revision							

ANNUAL CURRICULUM PLAN (2025-26)

MATHS

Class - X

Month	Chapter no. and Name	D	Learning Objectives	Sub. En. Act.	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed On
April (22 days)	1. Real Numbers	7	Students will develop the ability :- <ul style="list-style-type: none"> understand Fundamental Theorem of Arithmetic and apply them to solve problems related to real life context. proves $\sqrt{2}$, $\sqrt{3}$ etc. as irrational numbers. 	Lab Activity: To verify the sum of the first n natural number is $n(n+1)/2$ Activity-1	SDG-4	Critical thinking skills (Rationalize statement)	
	2. Polynomials	7	Students will develop the ability :- <ul style="list-style-type: none"> to recall general form of linear and quadratic polynomials and find zeros of polynomial by graph, where it intersects the x-axis. to create relationship between the zeros of the quadratic polynomial and its coefficients. to calculate zeros of the polynomial of degree more than 2. 	To draw the graph of quadratic polynomial and observe i) shape of the curve when the coefficient of x is positive ii) the shape of the curve when the coefficient of x is negative iii) No.of zeroes Activity-2	SDG-4 SDG-12	Critical thinking skills (Constructive solution)	
	7. Co-ordinate Geometry	8	Students will develop the ability :- <ul style="list-style-type: none"> to recall the Cartesian plane and locates points in it. to derives distance and section formulas and applies them to calculate a) distance between two points in a plane b) the coordinates of a point which divides the line segment joining of two points internally in the given ratio. to find the coordinates of the mid-point and check the collinearity of the points by section formula. 	To verify the distance formula by graphical method. To verify section formula by graphical method. Activity-3	SDG-9	Visualization and Spatial Reasoning Quantitative Reasoning	
May (12 days)	10. Circles	6	Students will develop the ability :- <ul style="list-style-type: none"> to demonstrate three possibilities for intersection of a line and a circle in a plane and then define tangent and secant to circle to understand the results of circle and prove the theorem - 2 tangents drawn from external point are equal in length, geometrically and practically. apply the theorem in various problems. 	To verify by paper folding method that the length of the tangents drawn from an external point to a circle is equal. Activity-4	SDG-9	Real world applicaitons	
July (27 days)	3. Pair of linear equations in two variables	6	Students will develop the ability :- <ul style="list-style-type: none"> to recall and define general form of linear equations of two variables and express different pairs of linear equations in two variables in general form. to draw graph of linear equations of two variables to solve word problems. to determine whether ordered pair (x, y) is a solution of pair of equations. to understand to solve pair of equations by the methods of Substitution and Elimination. to verify the type of solution of equations by using three conditions. to solve word problems of daily life situations. 	To verify the conditions of consistency of a system of Linear Eq ⁿ in 2 variable by graphical method. Activity-5	SDG-8	Quantitative Reasoning Collaboration & communicaiton Real World Applications	

ANNUAL CURRICULUM PLAN (2025-26)

MATHS		Class - X					
Month	Chapter no. and Name	D	Learning Objectives	Sub. En. Act.	SDGs	Integration with Vision Statement & 21 st Century Skill	Completed On
July (27 days)	8. Introduction of Trigonometry	10	Students will develop the ability :- <ul style="list-style-type: none"> • to recall 6 trigonometric ratios. • to visualise eye movement while observing an object. • to acquire knowledge of line of sight, horizontal line which make angle of elevation and angle of depression. • to draw figures of the problems by making use of angles of elevation and depression and apply trigonometric ratios to reach the solutions. 	Worksheet	SDG-13	Critical thinking (question relevantly) Creative skills	
	11. Area related to Circles	7	Students will develop the ability :- <ul style="list-style-type: none"> • recall the concept of circumference of circle and solve problems of daily life situations. • identify and apply the terms major/minor sector, major/ minor segment, angle subtended by the arc at the centre. • apply the formulas of area of sector, segment and length of an arc in the problems. • calculate area of combined plane figures 	To verify that sum of areas of three sectors of the same radii 'r' formed at the vertices of any triangle is half area of the circle. Activity-6	SDG-11	Quantitative Reasoning Real World Application Technology skills Inter disciplinary connections	
PT-1 REVISION							
August (21 days)	6. Triangles	7	Students will develop the ability :- <ul style="list-style-type: none"> • identify plane figures which are same in the shape but different in size. • define similarity of two triangles and understand similarity rules AAA, SAS, SSS. • prove Basic Proportionality Theorem and its converse, then apply in problems. 	To verify the basic proportionality theorem (Thales Theorem) Activity-7	SDG-4 SDG-9	Critical thinking, Independent thinking Creative thinking skills	
	13. Statistics	6	Students will develop the ability :- <ul style="list-style-type: none"> • to find Mean of grouped data, Mode of grouped data, Median of grouped data • to recall the basic terms of Statistics. • to calculate mean of grouped data by different methods - direct, assumed mean method. • to determine the modal class and median class to find mode and median of grouped data respectively. • to apply formulas of median and mode and solve problems of daily life situations. 	Worksheet	SDG-3	Problem solving Critical thinking skills	
	5. Arithmetic progressions	8	Students will develop the ability :- <ul style="list-style-type: none"> • to recognise the pattern in a given series. • to understand the term common difference and its importance in AP. • to identify the first term and common difference to form an AP. • to apply the formulas and calculate nth term of an AP and the sum up to nth term of an AP. • to develop strategies to apply the concepts of AP to daily life situations 	To identify Arithmetic Progression in some given list of members (pattern) Activity-8	SDG-1	Problem solving Critical thinking skills	

ANNUAL CURRICULUM PLAN (2025-26)

MATHS							
Class - X							
Month	Chapter no. and Name	D	Learning Objectives	Sub. En. Act.	SDGs	Vision Statement	Completed on
September (21 days)	4. Quadratic Equations	8	Students will develop the ability :- <ul style="list-style-type: none"> recall the concept of quadratic polynomial and correlate with quadratic equation. represent the equation in general form as $ax^2 + bx + c = 0$ where $a, b, c \in \mathbb{R}$ and $a \neq 0$. find roots of quadratic equations by different methods - Factorisation and Completing the Square. calculate discriminant to find nature of the roots. solve quadratic equations by quadratic formula. 	Worksheet	SDG-2	Problem solving, Creative thinking skill Critical thinking skills (question relevantly)	
	9. Application of Trigonometry	8	Students will develop the ability :- <ul style="list-style-type: none"> to recall 6 trigonometric ratios. to visualise eye movement while observing an object. to acquire knowledge of line of sight, horizontal line which make angle of elevation and angle of depression. to draw figures of the problems by making use of angles of elevation and depression and apply trigonometric ratios to reach the solutions. to apply the concept of trigonometry in solving problems of daily life context like finding heights of different structures and distances between them. 	Worksheet	SDG-13	Quantitative Reasoning Real World Applications Technology skills Inter disciplinary connections	
Half Yearly Examination (Revision)							
Oct.+Nov. (5+9 days)	12. Surface area and volume	9	Students will develop the ability :- <ul style="list-style-type: none"> to recall solid figures and formulas of their C.S.A, T.S.A and volumes. to identify combined solid figures. to calculate surface area and volume of combined solid figures by using formulas and general understanding. to transform a solid shape to another solid and compare and analyse their surface area and volume. to use the concepts of S.A. and volume for variety of 3-D objects to apply in real life situations 	Activity-9 - a)To compare the CSA of two cylinders which are formed from rectangular sheets of paper having same dimensions b)To compare the TSA of two right circular cylinders which are formed from retangular sheets of paper having same dimensions	SDG-11 SDG-9	Quantitative Reasoning Technology skills Real World Applications Analytical thinking	
	14. Probability	5	Students will develop the ability :- <ul style="list-style-type: none"> to verify that the sum of all probabilities of all the elementary events is 1. justify that for any E, E' stands for not E and shows $P(E) + P(E') = 1$. validate the maximum and minimum values of probability i.e. $0 \leq P(E) \leq 1$ apply the concepts to solve problems of daily life situations. 	To get familiar with an idea of probability of an event through a double card experiment Activity-10	SDG-3	Problem solving Quantitative Reasoning Real World Applications Statistical Literacy	
Dec. To Feb.				Revision			