

SESSION:2024-2025

BREAK UP SYLLABUS OF MATHEMATICS FOR CLASSES III TO X

BREAK UP SYLLABUS		
CLASS III		
SUB: MATHEMATICS		
MONTH	UNIT/TOPIC	ACTIVITY/ASSESSMENT
APRIL	1. NUMBERS UPTO 9999. 2. ADDITION	ACTIVITY 1. TO VERIFY A NUMBER AS AN EVEN OR AN ODD NUMBER BY MAKING PAIRS OF BEADS/PEBBLES/COUNTERS.
JUNE	2. ADDITION (CONTINUED) 3. SUBTRACTION	ACTIVITY 2. TO MAKE THE DIFFERENT SHAPES (A CAT, A RUNNING MAN, A DUCK, etc.) BY USING TANGRAM PIECES.
JULY	PT-1 (UNIT 1 & 2) 4. MULTIPLICATION 5. DIVISION	ACTIVITY 3. TO REPRESENT SOME NUMBERS ON A STRAIGHT ROPE BY USING STICKERS. ALSO COMPARE BETWEEN TWO NOS, ARRANGE ASCENDING & DESCENDING ORDER etc.
AUGUST	5. DIVISION (CONTINUED) 6. DAY, DATE, TIME	ANY OTHER SUITABLE ACTIVITIES TO MAKE THE TOPIC INTERESTING. & REGULAR INTERNAL ASSESSMENT AS PER THE GUIDELINES PRESCRIBED BY DAVCAE UNIT/PERIODIC TEST
SEPTEMBER	REVISION AND TERM- 1/HY EXAM PORTION: UNIT 1,2,3,4,5 & 6	
OCTOBER	7. MONEY 8. LENGTH	ACTIVITY 1. TO EXPERIENCE MONEY TRANSACTIONS BY USING NOTES & COINS. ACTIVITY 2: USE OF DAIRY MILK CHOCOLATE TO CLEAR THE CONCEPT OF FRACTION ACTIVITY 3. TO COUNT THE FACES, EDGES AND CORNERS OF DIFFERENT OBJECTS. ANY OTHER SUITABLE ACTIVITIES TO MAKE THE TOPIC INTERESTING. & REGULAR INTERNAL ASSESSMENT AS PER GUIDELINES PRESCRIBED BY DAVCAE UNIT/PERIODIC TEST
NOVEMBER	8. LENGTH (CONTINUED) 9. WEIGHT	
DECEMBER	PT-2 (UNIT 7 & 8) 10. CAPACITY 11. FRACTION	
JANUARY	11. FRACTION (CONTINUED) 12. GEOMETRY	
FEBRUARY	REVISION FOR FINAL EXAM	
MARCH	ANNUAL EXAM PORTION: UNIT 7,8,9,10,11 & 12	

BREAK UP SYLLABUS

CLASS IV

SUB: MATHEMATICS

MONTH	UNIT/TOPIC	ASSESSMENT
APRIL	1. NUMBERS UP TO 999999 2. ADDITION AND SUBTRACTION	ACTIVITY 1. TO REPRESENT SOME NUMBERS ON A STRAIGHT ROPE BY USING STICKERS AND EXPLAIN THE VARIOUS MATHEMATICAL OPERATIONS/PROBLEMS.
JUNE	3. MULTIPLICATION	ACTIVITY 2. MATHEMATICAL RACE ON OPERATION ON NUMBER SYSTEM (OUTDOOR ACTIVITY) ACTIVITY 3. DIVIDE THE CLASS INTO GROUPS OF 5(SAY) AND PERFORM THE ACTIVITIES *MEASURE THE HEIGHT & WEIGHT BY USING A MEASURING TAPE & WEIGHING MACHINE OF EACH MEMBER AND EXPLAIN THE VARIOUS MATHEMATICAL QUESTIONS. ANY OTHER SUITABLE ACTIVITIES TO MAKE THE TOPIC INTERESTING. & REGULAR INTERNAL ASSESSMENT AS PER THE GUIDELINES PRESCRIBED BY DAV CAE UNIT/PERIODIC TEST
JULY	PT – 1 (UNIT 1, 2) 4. DIVISION 5. LENGTH	
AUGUST	6. WEIGHT 7. CAPACITY	
SEPTEMBER	REVISION AND TERM -1/HY EXAM PORTION: UNIT-1,2,3,4,5,6 & 7	
OCTOBER	8. TIME AND CALENDAR 9. FRACTIONS	ACTIVITY 1. TO FIND THE PERIMETER AND AREA OF DIFFERENT CLOSED FIGURES INSIDE/OUTSIDE THE CLASS BY USING MEASURING TAPE/SCALE. ACTIVITY 2. TO MAKE A JAPANESE FAN AND EXPLAIN TYPES OF ANGLES ACTIVITY 3. TO ADD & SUBTRACT OF FRACTIONS BY USING THE PAPER CUTTING&PASTING METHOD OR BY USING GRAPH PAPER. ACTIVITY4: CALCULATE THE AREA OF DIFFERENT CLOSED FIGURES BY DRAWING DIFFERENT COLOURFUL CLOSED FIGURES ON GRAPH PAPER. ANY OTHER SUITABLE ACTIVITIES TO MAKE THE TOPIC INTERESTING. & REGULAR INTERNAL ASSESSMENT AS PER THE GUIDELINES PRESCRIBED BY DAV CAE UNIT/PERIODIC TEST
NOVEMBER	9. FRACTIONS (CONTINUED) 10. ANGLES	
DECEMBER	PT – 2 (UNIT 8, 9 & 10) 11. PERIMETER 12. AREA	
JANUARY	13. VOLUMES 14. FUN WITH PATTERNS	
FEBRUARY	REVISION	
MARCH	ANNUAL EXAM PORTION: (UNIT- 8,9,10,11,12,13,& 14)	

BREAK UP SYLLABUS

CLASS V

SUB: MATHEMATICS

MONTH	UNIT/TOPIC	ASSESSMENT
APRIL	1. NUMBERS UPTO 99,99,99,999 2. OPERATION ON LARGE NUMBERS	ACTIVITY 1. TO REPRESENT SOME NUMBERS ON A STRAIGHT ROPE BY USING STICKERS AND EXPLAIN THE VARIOUS MATHEMATICAL OPERATIONS/PROBLEMS.
JUNE	3. MULTIPLE AND FACTORS	
JULY	PT-1 (UNIT 1 & 2)	ACTIVITY 2. MATHEMATICAL RACE ON MULTIPLES & FACTORS DECIMAL (OUTDOOR ACTIVITY) ACTIVITY 3. TO MULTIPLY OF TWO DECIMAL NUMBERS BY DRAWING 10X10 GRID ON CHART PAPER. ANY OTHER SUITABLE ACTIVITIES TO MAKE THE TOPIC INTERESTING.
	3. MULTIPLE AND FACTORS (Cont.) 4. FRACTIONAL NUMBERS 5. DECIMALS	
AUGUST	13. SIMPLE INTEREST 14. BILLS 15. TEMPERATURE	& REGULAR INTERNAL ASSESSMENT AS PER THE GUIDELINES PRESCRIBED BY DADIC TEST
SEPTEMBER	1. REVISION AND HALFYEARLY EXAM (PORTION: UNIT-1,2,3,4,5,13,14 & 15)	
OCTOBER	6. ADDITION AND SUBTRACTION OF DECIMAL NUMBERS 7. MULTIPLICATION AND DIVISION OF DECIMAL NUMBERS	ACTIVITY 1. SOLVE ANY NUMERICAL EXPRESSION BY APPLYING BODMASRULE ON A-4 SIZE PAPER, CUT EACH STEP/ARITHMETIC OPERATION & GIVE THE STUDENT TO ARRANGE PROPERLY. ALSO, PASTE ON CHART PAPER. ACTIVITY 2. TO MAKE AN EQUILATERAL TRIANGLE BY PAPER FOLDING. ACTIVITY 3. TO MAKE CLOSED GEOMETRICAL SHAPES/FIGURES BY USING 3 MATCH STICKS, 4 MATCH STICKS, 5 MATCH STICKS AND 6 MATCH STICKS. ANY OTHER SUITABLE ACTIVITIES TO MAKE THE TOPIC INTERESTING. & REGULAR INTERNAL ASSESSMENT AS PER THE GUIDELINES PRESCRIBED BY DAV CAE UNIT/PERIODIC TEST
NOVEMBER	8. SIMPLIFICATION OF NUMERICAL EXPRESSION 9. ROUNDING OFF NUMBERS	
DECEMBER	PT – 2 (UNIT 6, 7, 8)	
	10. AVERAGE 11. PROFIT AND LOSS	
JANUARY	12. PERCENTAGE 16. TRIANGLES	
FEBRUARY	17. DATA HANDLING & REVISION	
MARCH	ANNUAL EXAM PORTION: UNIT 6,7,8,9,10,11,12,16 & 17	

BREAK UP SYLLABUS

CLASS VI

SUB: MATHEMATICS

MONTH	UNIT/TOPIC	ASSESSMENT
APRIL	1. NATURAL NUMBERS & WHOLE NUMBERS 2. FACTORS AND MULTIPLE	ACTIVITY 1. TO REPRESENT SOME INTEGERS ON A STRAIGHT ROPE BY USING STICKERS AND EXPLAIN THE VARIOUS MATHEMATICAL OPERATIONS/PROBLEMS.
JUNE	3. INTEGERS	
JULY	PT – 1 (UNIT – 1 & 2) 3. INTEGERS (CONTINUED) 8. BASIC GEOMETRIC CONCEPTS. 9. LINE SEGMENTS	ACTIVITY 2. MATHEMATICAL RACE ON FACTORS& MULTIPLES; INTEGERS (OUTDOOR ACTIVITY) ACTIVITY 3. TO FIND HCF & LCM BY PAPER CUTTING AND PASTING METHOD.
AUGUST	10. ANGLES 12. TRIANGLES 15. PERIMETER AND AREA	ANY OTHER SUITABLE ACTIVITIES TO MAKE THE TOPIC INTERESTING. & REGULAR INTERNAL ASSESSMENT AS PER THE GUIDELINES PRESCRIBED BY DAV CAE UNIT/PERIODIC TEST
SEPTEMBER	REVISION AND HALF- YEARLY EXAM (PORTION: UNIT- 1,2,3,8,9,10,12 & 15)	
OCTOBER	4.RATIO ,PROPORTION AND UNITARY METHOD	ACTIVITY 1. TO VERIFY THE SUM OF ANGLES OF A TRIANGLE IS 180° ACTIVITY 2. TO DRAW ANGLES 30° , 45° , AND 60° THROUGH PAPER FOLDING AND BY USING SETSQUARES. ACTIVITY 3. TO DERIVE THE FORMULA FOR THE AREA OF A TRIANGLE.
NOVEMBER	5. PERCENTAGE AND ITS APPLICATION 13. CIRCLE	
DECEMBER	PT – 2 (UNIT 4 & 13) 6. INTRODUCTION TO ALGEBRA 7. LINEAR EQUATION	ANY OTHER SUITABLE ACTIVITIES TO MAKE THE TOPIC INTERESTING. & REGULAR INTERNAL ASSESSMENT AS PER THE GUIDELINES PRESCRIBED BY DAV CAE UNIT/PERIODIC TEST
JANUARY	11. TRANSVERSAL AND PAIR OF LINES 14. CONSTRUCTION 16. STATISTICS	
FEBRUARY	REVISION (TWO CHAPTERS: INTEGERS AND RATIO & PROPORTION WILL BE INCLUDED FOR THE ANNUAL EXAM (20% OF FIRST TERM SYLLABUS)	
MARCH	ANNUAL EXAM PORTION: UNIT- 2,3,4,5,6,7,11,13,14 & 16	

BREAK UP SYLLABUS

CLASS VII

SUB: MATHEMATICS

MONTH	UNIT/TOPIC	ASSESSMENT
APRIL	1. RATIONAL NUMBERS 2. OPERATIONS ON RATIONAL NUMBERS	ACTIVITY 1. TO VERIFY PYTHAGORAS THEOREM THEOREM BY USING GRAPH PAPER.
JUNE	3. RATIONAL NUMBERS AS DECIMALS	ACTIVITY 2. MATHEMATICAL RACE ON OPERATION ON RATIONAL NUMBERS AND EXPONENT & POWER (OUTDOOR ACTIVITY)
JULY	PT – 1 (UNIT 1&2) 4. EXPONENTS & POWERS 6. ALGEBRAIC EXPRESSION 8. TRIANGLE AND ITS PROPERTIES	ACTIVITY 3. TO VERIFY THAT IF A SIDE OF A TRIANGLE IS PRODUCED, THE EXTERIOR ANGLE SO FORMED IS EQUAL TO THE SUM OF THE TWO INTERIOR OPPOSITE ANGLES.
AUGUST	8. TRIANGLE AND ITS PROPERTIES (CONTD) 10. CONSTRUCTION OF TRIANGLES 13. SYMMETRY	ANY OTHER SUITABLE ACTIVITIES TO MAKE THE TOPIC INTERESTING. & REGULAR INTERNAL ASSESSMENT AS PER THE GUIDELINES PRESCRIBED BY DAV CAE UNIT/PERIODIC TEST
SEPTEMBER	REVISION AND HALF- YEARLY /TERM- 1 EXAM (PORTION: UNIT-1,2,3,4,6,8,10 & 13)	
OCTOBER	5. APPLICATION OF PERCENTAGE 7. LINEAR EQUATIONS IN ONE VARIABLE.	
NOVEMBER	9. CONGRUENT TRIANGLES 11. PERIMETER AND AREA	
DECEMBER	PT – 2 (UNIT 3 & 7) 11. PERIMETER & AREA (CONTD) 12. DATA HANDLING	ACTIVITY 1. TO FIND THE LINES OF SYMMETRY OF SQUARE, RECTANGLE, KITE etc. BY PAPER FOLDING ACTIVITY 2. TO VERIFY THE SAS CRITERION FOR CONGRUENCE OF TRIANGLE. ACTIVITY 3. TO COMPARE THE MARKS OBTAINED IN ALL SUBJECTS BY A STUDENT IN ANY TWO PERIODIC TEST/ TERMS BY DRAWING BAR GRAPH.
JANUARY	14. VISUALISING SOLIDS	&
FEBRUARY	REVISION (TWO CHAPTERS: OPERATION ON RATIONAL NUMBERS, EXPONENTS & POWERS WILL BE INCLUDED FOR ANNUAL EXAM(30% OF FIRST TERM SYLLABUS)	REGULAR INTERNAL ASSESSMENT AS PER THE GUIDELINES PRESCRIBED BY DAV CAE UNIT/PERIODIC TEST
MARCH	ANNUAL EXAM (PORTION: UNIT-3,4,5,7,9,11,12, & 14)	

BREAK UP SYLLABUS

CLASS VIII

SUB: MATHEMATICS

MONTH	UNIT/TOPIC	ASSESSMENT
APRIL	1. SQUARES AND SQUARE ROOTS 2. CUBES AND CUBE ROOT	ACTIVITY 1. ART INTEGRATION ACTIVITY . ACTIVITY 2. EXPLORING TRIANGULAR NUMBERS USING DOT PATTERNS PROJECT; LIFE HISTORY OF ANY INDIAN MATHEMATICIAN AND HIS/HER CONTRIBUTION IN THE FIELD OF MATHEMATICS ACTIVITY 3. TO VERIFY THE ALGEBRAIC IDENTITY $(A+B)^2 = A^2 + 2AB + B^2$ BY PAPER CUTTING AND PASTING
JUNE	3. EXPONENTS AND RADICALS	
JULY	PT – 1 (UNIT 1&2) 4. DIRECT AND INVERSE VARIATION 7. ALGEBRAIC IDENTITIES 8.POLYNOMIALS	
AUGUST	9. LINEAR EQUATIONS IN ONE VARIABLE 10. PARALLEL LINES 13.INTRODUCTION TO GRAPH	
SEPTEMBER	REVISION AND HALF- YEARLY /TERM- 1 EXAM (PORTION: UNIT-1,2,3,4,7,8,9,10 & 13)	
OCTOBER	5. PROFIT ,LOSS AND DISCOUNT 6. COMPOUND INTEREST	
NOVEMBER	11. UNDERSTANDING QUADRILATERALS 12.CONSTRUCTION OF QUADRILATERALS	
DECEMBER	PT – 2 (UNIT 5,11 & 12) 14. MENSURATION 15. STATISTICS AND PROBABILITY	
JANUARY	16. ROTATIONAL , SYMMETRY	
FEBRUARY	REVISION	
MARCH	ANNUAL EXAM	ACTIVITY 3. TO COMPARE THE SURFACE AREA OF TWO CUBES AND THE CUBOID FORMED BY JOINING THESE TWO CUBES

DAV PUBLIC SCHOOLS MP ZONE-D
SPLIT UP SYLLABUS (2023-2024)

SUBJECT-MATHEMATICS

CLASS-IX

MONTH	CHAPTER NO	CHAPTER COVERED MONTH WISE	NO OF CHAPTER	ACTIVITY/PROJECT
APRIL	1	NUMBER SYSTEM	2	DRAW SPIRAL ROOT AND CONNECT WITH ART INTEGRATION
	2	POLYNOMIALS		
MAY	3	LINEAR EQUATION IN TWO VARIABLES		
MAY (SUMMER VACATION)	HHW-ACTIVITY- (TWO ACTIVITIES RELATED TO ALGEBRAIC IDENTITIES)			
JUNE	3	LINEAR EQUATION IN TWO VARIABLES (Cont.)	1	
JULY	PERIODIC TEST -1 (CHAPTER-1,2)			
	4	COORDINATE GEOMETRY		
	5	INTRODUCTION OF EUCLID GEOMETRY		
	6	LINE AND ANGLES		
AUGUST	6	LINE AND ANGLES (CON.)	3	TWO ACTIVITIES RELATED TO GEOMETRY
	7	TRIANGLES		
	8	QUADRILATERALS		
SEPTEMBER	REVISION AND HALF YEARLY EXAM(CHAPTER-1,2,3,4,5,6,7)			
OCTOBER	9	CIRCLES	2	ONE ACTIVITY RELATED TO CIRCLE
	10	HERONS FORMULA		
NOVEMBER	PERIODIC TEST -2 (CHAPTER-9,10)			
	11	SURFACE AREA AND VOLUME	1	PREPARE OF SOLID MODEL(GROUP ACTIVITY)
DECEMBER	11	SURFACE AREA AND VOLUME (Cont.)	2	RELATION BETWEEN VOL. OF CYLINDER & VOL. OF CONE(GROUP ACTIVITY)
	12	STATISTICS		COLLECT THE DATA FROM ANY SURVEY AND FREQUENCY POLYGON(PROJECT)
JANUARY	REVISION AND PERIODIC TEST -3(CHAPTER-11,12)			

FEBRUARY-
MARCH

REVISION AND ANNUAL EXAM (WHOLE SYLLABUS)

**DAV PUBLIC SCHOOLS MP ZONE-D
SPLIT UP SYLLABUS (2024-2025)**

SUBJECT-MATHEMATICS

CLASS-X

MONTH	CHAPTER NO	CHAPTER COVERED MONTH WISE	NO OF CHAPTERS	ACTIVITY/PROJECT
APRIL	1	REAL NUMBERS	2	ANY ACTIVITY RELATED TO CHAPTER 1 & 2
	2	POLYNOMIALS		
MAY	3	PAIR OF LINEAR EQUATION IN TWO VARIABLES	1	ANY ACTIVITY RELATED TO CHAPTER 3
MAY (SUMMER VACATION)	HHW-ACTIVITY- (TWO ACTIVITIES RELATED TO POLYNOMIALS AND PAIR OF LINEAR EQUATION IN TWO VARIABLES)			
JUNE	3	PAIR OF LINEAR EQUATION IN TWO VARIABLES(CONTD.)	1	ANY ACTIVITY RELATED TO CHAPTER 3
JULY	PERIODIC TEST -1 (CHAPTER-1,2,3)			
	4	QUADRATIC EQUATION	3	ANY ACTIVITY RELATED TO CHAPTER 5
	5	ARITHMETIC PROGRESSION		
	6	TRIANGLES		
AUGUST	7	COORDINATE GEOMETRY	2	DRAW FIGURES BY JOINING THE POINTS ON THE CHART PAPER & CONNECT WITH ART INTEGRATION
	8	INTRODUCTION TO TRIGONOMETRY		
SEPTEMBER	REVISION AND HALF YEARLY EXAM(CHAPTER-1,2,3,4,5,6,7,8)			
OCTOBER	9	APPLICATION OF TRIGONOMETRY	2	ANY ACTIVITY RELATED TO CHAPTER 9&10
	10	CIRCLES		
NOVEMBER	PERIODIC TEST -2 (CHAPTER-9,10)			
	11	AREA RELATED TO CIRCLES	2	ANY ACTIVITY RELATED TO CHAPTER 11&12
	12	SURFACE AREA AND VOLUME		
DECEMBER	REVISION , PERIODIC TEST -3(CHAPTER-11,12) AND PRE BOARD - 1			
	13	STATISTICS	2	ANY ACTIVITY RELATED TO CHAPTER 13&14
14	PROBABILITY			

**JANUARY-
FEBRUARY**

REVISION AND PRE BOARD -2

MARCH

ANNUAL EXAM (WHOLE SYLLABUS)