

AIR FORCE SCHOOL, BAMRAULI

ANNUAL SPLIT UP SYLLABUS

ACADEMIC SESSION : 2025-26

SUBJECT : MATHS

CLASS : VII

BOOK NAME : NCERT

MONTHS	CHAPTER / UNIT NO	TOPIC / SUB-TOPIC	ACTIVITY
APRIL	1 and 2	Chapter1 -INTEGERS: Properties of Addition and Subtractions of Integers Multiplication and Division of Integers Properties of Multiplication of Integers Properties of Division of Integers Word Problems Chapter-2: FRACTIONS AND DECIMALS: Diagrammatic Representation of Fraction. Simplest and Equivalent Form of Fractions. Basic Operations on Fractions and Decimals. Word Problems.	Activity-1: Addition and Subtraction of Integers by Game. Assessment: Quiz / Puzzle / Exit cards .
MAY	3	Chapter 3 -DATA HANDLING: Frequency table using Tally Marks Mean, Range, Medians and Mode of Ungrouped Data Constructing Bar Graph	Activity2 : To collect data and represent this through a bar graph.
JUNE		Chapter 3 -DATA HANDLING Double Bar graphs	Different types of graphs
		PERIODIC TEST 1 - CH 1,2,3	
JULY	4	Chapter 4 -SIMPLE EQUATIONS: Recall Solutions of Equations Formation of Equations , Solving simple Equations Application of Simple Equations to Practical Situations	
AUGUST	5	Chapter 5 -LINES AND ANGLES: Recall, Curves, Shapes, Point, Line Segment, Line , Distinct types of Angles Pair of Angles , Properties of Parallel Lines and related problem. Transversal and related Angles and its problems.	Activity3 : To verify that vertically opposite angles are equal. Model of parallel Lines and transversal.
SEPTEMBER	6	Chapter 6 : TRIANGLE AND ITS PROPERTIES: Recall Types of Triangles Median and Altitudes of a Triangle Exterior angles of a Triangle and its Properties	Activity 4 : To Prove and verify the sum of angles of triangle is 180 degrees.

		.Angle sum property of a Triangle Special types of triangles: Equilateral and Isosceles Triangle Sum and Difference of two sides of a Triangle compare with the third side Right Angle Triangle and Pythagoras Property , Word Problem	
		HALF YEARLY EXAM - CH 1,2,3,4,5,6	
OCTOBER	7	Chapter 7 : -COMPARING QUANTITIES: Percentage , Converting of Fractions, Decimals into fraction and Converting Percentage into Fractionsor and Decimals Applications of Percentage in: Profit/Loss and Increase or Decrease as Percentage , Simple Interest Word Problems	Activity 5 : MultipleAssessment: Quiz / Puzzle / Exit cards / Oral test/Origami/PPT/Project.
NOVEMBER	8 and 9	Chapter 8 : -RATIONAL NUMBERS: Recall of Natural Numbers, Whole Numbers and Integers. , Need for Rational Numbers. Standard form of Rational Numbers , Comparison of Rational Numbers Finding Rational Numbers between two Rational Numbers Operationon Of Rational Numbers Chapter 9 : -PERIMETER AND AREA: Area of Triangle and Parallelogram Area of Triangles , Circumference o f Circle Area of Circle.	Activity-6: To find the ratio of circumference and diameter of circle.
DECEMBER	10	Chapter 10 -ALGEBRAIC EXPRESSIONS: Recall of term, Variables , Coefficients, Factors of a Term General Algebraic Expressions Involving One or Two Variables , Like and Unlike Terms Classification of Monomials, Binomials, Trinomials and Polynomials , Finding the Value of an Algebraic Expressions.	Activity 7: To add two algebraic expression using different strips of cardboard.
		PERIODIC TEST 2 - CH 7,8,9	
JANUARY	11	Chapter11 : -EXPONENTS AND POWERS: Introductions , Laws of Exponents Decimals Number System and Exponents , Expressing Large Number in the Standard Form , Revision of significant topics.	
FEBRUARY	12	Chapter 12 : -SYMMETRY: Recall of Symmetric and Non-symmetric Figures . Line of Symmetry and Lines of Symmetry for Regular Polygons . Rotational Symmetry : Angle of	Activity 8 : To find the order of rotational symmetry of given figure Activity 9 : Making toys by using different 3 D

		Rotation and Order of Rotation Chapter 13 : -VISUALISING SOLID SHAPES: Plane Figures and Solid Shapes Nets fo rBuilding 3-DShapes Drawing Solid ona Flat Surface (Obliquea nd	shapes.: MultipleAssessment: Quiz / Puzzle / Exit cards / Oral test.
MARCH		ANNUAL EXAMINATION CH 7,8,9,10,11,12,13	