

AIR FORCE SCHOOL BAMRAULI PRAYAGRAJ
ANNUAL SPLIT UP OF SYLLABUS
ACADEMIC SESSION 2025-26
CLASS - IX

SUBJECT -MATHEMATICS

BOOK -NCERT

| S.No. | Month | Chapter/Unit | Topic /Sub topic | No. of Periods | Activities |
|-------|------------|-----------------------------------|---|----------------|--|
| 1. | April | Unit -1 Number system | Review of natural number,integers,rational no.,terminating and non terminating no., representation of root 2,3 on number line., rationalisation | 15 | Activity-1 To represent some irrational number on the number line |
| 2. | April | Polynomial | Variable,constant, algebraic expression,types of polynomials -on the basis of term,on the basis of degree, coefficient, | 10 | Model of polynomial on the basis of term and degree |
| 3. | May | Linear equations in two variables | Graph of given line , solution of equation by graph | 6 | Formation of liner equations in two variable using different constant |
| 4. | June | Coordinate Geometry | About Cartesian plane,origin , abscissa,ordinate, Distance of given point from Axis. | 8 | To find the values of abscissa and ordinates of various point given in a Cartesian plane |
| 5. | June /july | Introduction to Euclid's Geometry | Axioms, postulate | 5 | |
| 6. | August | Line and Angles | Types of angle-complementary angel, supplimentary angel,linear pair,corresponding,v.o.A, etc. | 12 | To verify experimental ly that if two lines intersects |

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|-----|----------------|---------------------------------|---|--------------------------------------|---|
| | | | | | then 1-vertically angles are equal 2-sum of two adjacent angles is 180. |
| 7. | August/ sep | Triangles | Types of triangles,theorem related to triangles, Congruency of triangle ASA,SAS,SSS,RHS. | 15 | To verify experimental ly the different criteria for the congruency of triangles |
| 8. | Sep/oct. | Heron's formula Revision | Area of triangle by using heron's formula Chapter-1,2,3,4,5,6,7,10 | 10+5 | Area of trapezium |
| 9. | Nov | Quadrilateral | Types of quadrilateral and their properties and theorem | 12 | |
| 10. | Nov | Surface area and volume | Surface area and volume of 3D cone and sphere. | 15 | |
| 11. | Dec/Jan | Statistics | Types of graphs, bar graph , frequency polygon Histogram. Class mark, continuous class interval . | 10 | |
| 12. | Jan | Circle | Definition of some important terms related to circle, theorems and exercise | 15 | |
| 13. | Feb | Revision (final exam) | Chapter -1 to12 | Till the date of exam | |
| 14. | March | Annual exam | | | |