**AIR FORCE SCHOOL BAMRAULI PRAYAGRAJ**

**ANNUAL SPLIT UP OF SYLLABUS**

**ACADEMIC SESSION 2024-25**

**CLASS - IX SUBJECT -MATHS**

**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 ofpolynomial on the basis of term and degree |
| 3. | May | Linear equations in twovariables | Graph of given line , solution of equation by graph | **8** | Formation of liner equations **in** two variable using different constant |
| **4.** | **June** | Coordinate Geometry | About Cartesian plane,origin , abscissa,ordinate,  Distance formula,mid point , | **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** | **8** |  |
| **6.** | **August** | Line and Angles | Types of angle-complementory angel, supplimentry angel,linear pair,corresponding,v.o.A, etc. | **10** | **To verify** experimentally that if two lines intersects 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,Mid point theorem. | **15** | To verify experimentally 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 | **15** | Area of trapezium |
| **9.** | **Nov** | Quadrilateral | Types of quadrilateral and their properties and theorem | **10** |  |
| **10.** | **Nov** | Surface area and volume | Surface area and volume of 3D | **15** |  |
| **11.** | **Dec/Jan** | Statistics | Types of graph bar graph , frequency polygon etc. | **10** |  |
| **12.** | **Jan** | **Circle** | Definition of some important terms related to circle, theorems and exercise | **18** |  |
| **13.** | **Feb** | **Revision (final exam)** | **Chapter -1 to12** | **Till the date of exam** |  |
| **14.** | **March** | **Annual exam** |  |  |  |