

**AIR FORCE SCHOOL BAMRAULI**  
**ANNUAL SPLIT UP OF SYLLABUS**  
**ACADEMIC SESSION 2025-26**

CLASS: 11

SUBJECT: PHYSICS

TEACHER'S NAME: MANOJ KUMAR SRIVASTAVA

<u>MONTH</u>	<u>CHAPTER/UNIT'S NAME</u>	<u>EXPERIMENTS</u>
JUNE	1. UNITS & MESUREMENT	
JULY	2. MOTION IN STRAIGHT LINE 3. MOTION IN PLANE	EXPERIMENT NO. 01: To determine the diameter of a given cylinder/sphere by using vernier callipers. EXPERIMENT NO. 02: To determine the internal diameter of a given hollow cylinder.
AUGUST	4. LAWS OF MOTION 5. WORK, ENERGY AND POWER	EXPERIMENT NO.03: To determine the diameter of a given wire by using screw gauge.
SEPTEMBER	6. SYSTEM OF PARTICLE AND ROTATIONAL MOTION 7. GRAVITATION	EXPERIMENT NO. 04: To determine the radius of curvature of a given convex mirror by using spherometer. EXPERIMENT NO. 05: To determine the acceleration due to gravity by using simple pendulum.
OCTOBER	8. MECHANICAL PROPERTY OF SOLID 9. MECHANICAL PROPERTY OF LIQUID	EXPERIMENT NO. 06: To determine the young modulus of elasticity of steel wire by using Searle apparatus.
NOVEMBER	10. THERMAL PROPERTY OF MATTER	EXPERIMENT NO.07: To determine the force constant of a given spring by plotting the graph between load versus extension.
DECEMBER	11. THERMODYNAMICS 12. KINETIC THEORY OF GAS	
JANUARY	13. OSCILLATION	
FEBRUARY	14. WAVE	EXPERIMENT NO. 08: To determine the speed of sound by using sonometer.

TOTAL NO. OF PERIODS REQUIRED: 120