

AIR FORCE SCHOOL BAMRAULI
ANNUAL SPLIT UP OF SYLLABUS
ACADEMIC SESSION 2022-23

CLASS: 11

SUBJECT: PHYSICS

TEACHER'S NAME: MANOJ KUMAR SRIVASTAVA

<u>MONTH</u>	<u>CHAPTER/UNIT'S NAME</u>	<u>EXPERIMENTS</u>
AUGUST	1. PHYSICAL WORLDS 2. UNITS & MESUREMENT	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.
SEPTEMBER	3. MOTION IN STRAIGHT LINE 4. MOTION IN PLANE	
OCTOBER	5. LAWS OF MOTION 6. WORK, ENERGY AND POWER	EXPERIMENT NO.03: To determine the diameter of a given wire by using screw gauge.
NOVEMBER	7. SYSTEM OF PARTICLE AND ROTATIONAL MOTION 8. 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.
DECEMBER	9. MECHANICAL PROPERTY OF SOLID 10. MECHANICAL PROPERTY OF LIQUID	EXPERIMENT NO. 06: To determine the young modulus of elasticity of steel wire by using Searle apparatus.
JANUARY	11. THERMAL PROPERTY OF MATTER 12. THERMODYNAMICS 13. KINETIC THEORY OF GAS	EXPERIMENT NO.07: To determine the force constant of a given spring by plotting the graph between load versus extension.
FEBRUARY	14. OSCILLATION 15. WAVE	EXPERIMENT NO. 08: To determine the speed of sound by using sonometer.

TOTAL NO. OF PERIODS REQUIRED: 120