

ARMY PUBLIC SCHOOL MUMBAI (2019-2020)
STANDARD CURRICULUM

CLASS: X

SUB: SCIENCE (PHYSICS)

| <u>SR NO</u> | <u>MONTH</u> | <u>LESSON/ TOPIC</u> | <u>ACTIVITY</u> | <u>VALUE</u> | <u>Core value</u> |
|--------------|----------------|---|---|--|--|
| 1 | APRIL- MAY | Current electricity | experiment:- verification of ohms law, series and parallel combination | reasoning, confidence, communication, scientific attitude, problem solving | SELF AWARENESS AND TEAMWORK |
| 2 | JUNE - JULY | Magnetic effect of electric current | drawing of magnetic field lines of bar magnet, straight conductor, solenoid, conceptual questions | collaboration, logical thinking, obedience, interest, critical thinking. | TEAMWORK AND ENVIRONMENTAL AWARENESS |
| 3 | AUG-SEPT | Magnetic effect of electric current sources of energy | conceptual, applications, explanation power point presentation, explanation, interaction | reasoning, logical thinking, problem solving creativity, confidence, team effort, co- operation | PATRIOTISM AND NATIONALISM, DISCIPLINE AND DILIGENCE |
| 4 | OCT | Light-reflection and refraction, a | determination of focal length of convex lens and concave mirror, problem solving | reasoning, creative thinking, problem solving | DIVERSITY AND TOGETHERNESS |
| 5 | NOV- DEC | Human eye and colourful world | refraction of light through prism | awareness, scientific attitude , observation skill | GENDER SENSITIVITY AND PERSEVERANCE |
| 6 | JAN- FEB | | powerpoint presentation | creativity, confidence, team effort, co- operation | EFFECTIVE COMMUNICATION AND EFFICIENT TIME MANAGEMENT |