

| S. No. | Week No. | Name of Topic                                                                                                                             | No. of Hours |
|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 1      | 12th     | Basic electricity<br>- Electricity principles,<br>- Ground connections,<br>- Ohm's law,<br>- Voltage, Current, Resistance, Power, Energy. | 7            |
| 2      |          | Voltmeter, ammeter, Ohmmeter, Multimeter,                                                                                                 |              |
| 3      |          | Conductors & insulators, Wires, Shielding, Length vs. resistance, Resistor ratings                                                        |              |