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| INDIAN SCHOOL AL WADI AL KABIR- SYLLABUS BREAK UP FOR 2014-15 | | | | | |
| **CLASS 10**  **PHYSICS** | **WEEK1** | **WEEK2** | **WEEK3** | **WEEK4** | **WEEK5** |
| **APRIL** | CHAPTER: ELECTRICITY  Introduction. Electric current and electric circuit | Potential and potential difference. Numericals. Ohm’s law. Resistance and resistivity. | Factors on which resistance depends on.  Numericals based on resistance and resistivity | Resistances in series and parallel combination. ( Derivation)  Practicals - Ohm’s law ( 1st batch) |  |
| **MAY** | Practical- Ohm’s law (II batch) | Numericals. Heating effect of electric current. Practical application | Electric power and numericals. Exercise Qns.  Practical 2  Resistance in series-(I Batch) | Work sheet on electricity.  Practical 2  Resistance in series-(II Batch)  . | CH – 2 MAGNETIC EFECTS OF ELECTRIC CURRENT  Introduction. Magnetic field and field lines.  Magnetic field due to a current carrying conductor. |
| **JUNE** | Right hand thumb rule, Magnetic field due to a current carrying circular loop and solenoid. | Force on a current carrying conductor placed in a magnetic field. Electric motor |  |  |  |

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