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| **INDIAN SCHOOL AL WADI AL KABIR SYLLABUS BREAKUP 2016-2017** |
| **Class 10** | **First Week** | **Second Week** | **Third Week** | **Fourth Week** | **Fifth Week** |
| **April****Physics** |  | **CHAPTER: ELECTRICITY**Introduction. Electric current and electric circuit | Potential and potential difference. Numerical. Ohm’s law. Resistance and resistivity. | Factors on which resistance depends on.Numerical based on resistance and resistivity |  |
| **April****Chemistry** |  | **CHAPTER 1**: **CHEMICAL REACTIONS AND EQUATIONS**Physical and chemical changes | Chemical equations – Balancing | Types of Reactions**PRACTICALS-**Types of reactions | Worksheet discussion**CHAPTER 2: ACIDS AND BASES**IntroductionChemical properties of Acids and Bases**PRACTICALS**Properties of Acids and Bases  |
| **April****Biology**  |  | Chapter 6 :**Life processes**introduction | **Nutrition**Types of nutritionPhotosynthesis.Practical: To prepare a temporary mount of leaf peel to show stomata | Heterotrophic nutrition: Amoeba & HumansPractical: To show experimentally that light is necessary for photosynthesis. | **Respiration**Aerobic & Anaerobic respirationRespiration in Fish**(FA I Activity IExperiment based)** |

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| **May****Physics**  | Resistances in series and parallel combination. ( Derivation)**Practical - Ohm’s law ( 1st batch)** | **Practical- Ohm’s law (II batch)**Numerical. Heating effect of electric current. Practical application | Electric power and numerical. Exercise Questions. **Practical 2****Resistance in series-(I Batch)**(**FA I 15th, 17th& 19th** ) | **Work sheet on** electricity. **Practical 2****Resistance in series-(II Batch)**(**FA I 22nd , 24th , 26th** ) | **Work sheet** on electricity. **Practical 2****Resistance in series-(II Batch)****(FA I ActivityIIExample and Non example type)** |
| **May****Chemistry** | Reactions of metallic and non-metallic oxides Common factor in acids and bases.Strength of acids and bases. | pHImportance of pH in everyday life | Salts Family of saltspH of saltsChemicals from common salt Water of crystallization(**FA I 15th, 17th& 19th** ) | Plaster of ParisTextbook questions and worksheet discussion**PRACTICALS**pH(**FA I 22nd , 24th , 26th** ) | **CHAPTER 3 : METALS AND NON METALS**Physical properties of metals and non-metals**(FA I ActivityIIIDiagram based)** |
| **May****Biology**  | Human Respiration.**Practical:**To show experimentally that CO2 is given out during respiration. | **Transportation**Transportation in Humans | Transportation in Humans continues.Lymphatic System in Humans.(**FA I 15th, 17th& 19th** ) | Transportation in Plants (**FA I 22nd , 24th , 26th** ) | **Excretion** in Humans and Plants**(F A I Activity IV Diagram Based)** |

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| **June****Physics**  | Right hand thumb rule, | Magnetic field due to a current carrying circular loop. | SUMMER BREAK | SUMMER BREAK | SUMMER BREAK |
| **June****Chemistry** | Physical properties (continued) | Physical properties | SUMMER BREAK | SUMMER BREAK | SUMMER BREAK |
| **June** **Biology** | Chapter 7 : - **Control and Coordination**: Introduction  | Nerve impulse transmission Reflex Action | SUMMER BREAK | SUMMER BREAK | SUMMER BREAK |