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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**  Introduction  Chemical properties of Acids and Bases  **PRACTICALS**  Properties of Acids and Bases |
| **April**  **Biology** |  | Chapter 6 :**Life processes**  introduction | **Nutrition**  Types of nutrition  Photosynthesis.  Practical: To prepare a temporary mount of leaf peel to show stomata | Heterotrophic nutrition: Amoeba & Humans  Practical: To show experimentally that light is necessary for photosynthesis. | **Respiration**  Aerobic & Anaerobic respiration  Respiration 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. | pH  Importance of pH in everyday life | Salts  Family of salts  pH of salts  Chemicals from common salt  Water of crystallization  (**FA I 15th, 17th& 19th** ) | Plaster of Paris  Textbook 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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| **Class 10** | **First Week** | **Second Week** | **Third Week** | **Fourth Week** | **Fifth Week** |
| **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 |