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| INDIAN SCHOOL AL WADI AL KABIR- SYLLABUS BREAK UP FOR 2015-16 | | | | | |
| **CLASS 10**  **PHYSICS** | **WEEK1** | **WEEK2** | **WEEK3** | **WEEK4** | **WEEK5** |
| **APRIL** | 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 | Resistances in series and parallel combination. ( Derivation)  Practical - Ohm’s law  ( 1st batch) |  |
| **MAY** | Practical- Ohm’s law (II batch) | Numerical. Heating effect of electric current. Practical application | Electric power and numerical. Exercise Qns.  Practical 2  Resistance in series-(I Batch) | Work sheet on electricity.  Practical 2  Resistance in series-(II Batch)  . | . |
| **JUNE** | CH – 2 MAGNETIC EFECTS OF ELECTRIC CURRENT  Introduction. Magnetic field andfield lines.  Magnetic field due to a current carrying conductor | Right hand thumb rule, Magnetic field due to a current carrying circular loop andsolenoid. |  |  |  |

**CLASS X: CHEMISTRY**

**APRIL**

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| I WEEK  6-9 | 2 | CHAPTER 1: CHEMICAL REACTIONS AND EQUATIONS   * Physical and chemical changes | Observation and questionnaire |  |
| II week  12-16 | 3 | * Chemical equations – Balancing | Muddiest point  Home assignment (10 questions ) from balancing chemical equations |  |
| III week  19-23 | 3 | * Types of Reactions |  | PRACTICALS-  Types of reactions |
| IV week  26 - 30 | 3 | * Worksheet discussion   CHAPTER 2: ACIDS AND BASES   * Introduction * Chemical properties of Acids and Bases | Observation and questionnaire | **PRACTICALS**  Properties of Acids and Bases |

**MAY**

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| **I week**  **3 - 7** | **3** | * Reactions of metallic and non-metallic oxides * Common factor in acids and bases. * Strength of acids and bases. | Think pair and share |  |
| **II week**  10-14 | **3** | * pH * Importance of pH in everyday life | Jigsaw | **PRACTICALS**  pH |
| **III week**  17-21 | **3** | * Salts * Family of salts * pH of salts * Chemicals from common salt * Water of crystallization * Plaster of Paris |  |  |
| **IV week**  24-31 | **3** | * Textbook questions and worksheet discussion   CHAPTER 3 : METALS AND NON METALS   * Physical properties of metals and non metals * Chemical properties of metals :   Combustion , Reaction  with water, acids, salt  solution | Examples and non examples  Pairs check |  |

**JUNE**

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| **I week**  **1 - 4** | **3** | * Chemical properties of metals :   Combustion , Reaction  with water, acids, salt  solution   * Reactivity series | Pairs check | **PRACTICALS:**  Reactivity of metals |
| **II week**  **7 - 11** | **3** | * Ionic compounds – Properties | 3 minute review |  |

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| **Indian School Al Wadi Al Kabir - Syllabus break up for 2015-16** | | | | |
| **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
|  | Chapter: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 | Human Respiration.  Practical: To show experimentally that CO2 is given out during respiration. | Transportation  Transportation in Humans | Lymphatic System in Humans.  Transportation in Plants | Excretion in Humans and Plants |
| Control and Coordination: Nerve impulse transmission, Reflex Action | Human Brain |  |  |  |