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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: ELECTRICITYIntroduction. 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 2Resistance in series-(I Batch) | Work sheet on electricity.  Practical 2Resistance in series-(II Batch). | . |
| **JUNE** | CH – 2 MAGNETIC EFECTS OF ELECTRIC CURRENTIntroduction. 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 WEEK6-9 | 2 | CHAPTER 1: CHEMICAL REACTIONS AND EQUATIONS* Physical and chemical changes
 | Observation and questionnaire |  |
| II week12-16 | 3 | * Chemical equations – Balancing
 | Muddiest pointHome assignment (10 questions ) from balancing chemical equations |  |
| III week19-23 | 3 | * Types of Reactions
 |  | PRACTICALS-Types of reactions |
| IV week26 - 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
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| **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 examplesPairs 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 processesintroduction | NutritionTypes 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. | RespirationAerobic & Anaerobic respiration |
| Respiration in Fish | Human Respiration.Practical: To show experimentally that CO2 is given out during respiration. | TransportationTransportation in Humans | Lymphatic System in Humans.Transportation in Plants | Excretion in Humans and Plants |
| Control and Coordination: Nerve impulse transmission, Reflex Action  | Human Brain |  |  |  |