**Indian School Al Wadi Al Kabir - Syllabus break up for 2017-18**

**PHYSICS**

**WEEKLY PLAN – MONTH : April – CLASS X**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| I WEEK | II WEEK | III WEEK | IV WEEK | V WEEK |
| **5-6** | **9-13**  **(3)** | **17- 24**  **(3)** | **23 -27**  **(3)** | **30**  **(1)** |
| .  **CH-LIGHT- REFLECTION AND REFRACTION.**  Introduction.  Reflection by plane mirror. | Virtual and real images.  Characteristics of image formed by a plane mirror.  Spherical mirrors | Reflection of light by curved surfaces. Spherical mirrors.  Terms associated with spherical mirrors.  Principal focus of concave and convex mirrors .  Image formation by spherical mirrors.  Ray diagrams | Ray diagrams for the image formation by concave and Convex mirrors.  Uses of concave and convex mirrors.  Sign convention for reflection by spherical mirrors. | Numerical. |

**WEEKLY PLAN – MONTH : MAY– CLASS X**

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| I WEEK | II WEEK | III WEEK | IV WEEK | V WEEK |
| **1-4**  (3) | **7 -11**  **(3)** | **14 -18**  **(3)** | **21-25**  **(3)** |  |
| Mirror Formula and Magnification.  Numerical  Refraction of light.  Refraction of light through glass slab  Laws of refraction.  The refractive index. | Numerical.  Refraction by spherical lenses. Principal focus of convex and concave lens. Image formation by lenses. | Ray diagrams for the  Image formation by Convex and concave lenses.  PRE MID TERM | Lens formula and magnification.  Numerical.  Power of the lens  Pract- the focal length of concave mirror and convex lens.  Numerical  PRE MID TERM |  |

CHEMISTRY

**WEEKLY PLAN – MONTH : April – CLASS X**

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| --- | --- | --- | --- | --- |
| I WEEK | II WEEK | III WEEK | IV WEEK | V WEEK |
| **5-6**  **(1)** | **9 – 13**  **(3)** | **16-20**  **(3)** | **23-27**  **(3)** | **30**  **(1)** |
|  |  |  |  |  |
| .  CHAPTER 1: CHEMICAL REACTIONS AND EQUATIONS   * Physical and chemical changes | * Chemical equations – Balancing | * Types of Reactions | * Types of Reactions | * Worksheet discussion |
|  |  |  | PRACTICALS-  Types of reactions |  |

**WEEKLY PLAN – MONTH : MAY – CLASS X**

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| --- | --- | --- | --- | --- |
| I WEEK | II WEEK | III WEEK | IV WEEK | V WEEK |
| **1-4**  **(3)** | **7-11**  **(3)** | **14-18**  **(3)** | **21-25**  **(3)** | **28** |
| CHAPTER 2: ACIDS AND BASES   * Introduction * Chemical properties of Acids and Bases * 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   PRE-MID TERM | * Salts * Family of salts * pH of salts * Chemicals from common salt * Water of crystallization   PRE-MID TERM | Summer holiday |
| **PRACTICALS**  Properties of Acids and Bases |  |  | **PRACTICALS**  pH |  |

**BIOLOGY**

**WEEKLY PLAN – MONTH : April – CLASS X**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| I WEEK | II WEEK | III WEEK | IV WEEK | V WEEK |
| **2-6** | **9 – 13**  **(3)** | **16-20**  **(2)** | **23-27**  **(2)** | **30** |
|  | LIFE PROCESSES-Introduction  Nutrition  -Types  :Autotrophic-  Photosynthesis  -Raw materials  -Mechanism | Heterotrophic nutrition  Nutrition in amoeba  Nutrition in humans | Nutrition in humans (continued)  Respiration-Types | Respiration in plants and fishes.  Respiration in humans |
|  |  |  | PRACTICALS –Leaf peel preparation |  |

**WEEKLY PLAN – MONTH : MAY– CLASS X**

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| --- | --- | --- | --- | --- |
| I WEEK | II WEEK | III WEEK | IV WEEK | V WEEK |
| **1-4**  **(2)** | **7-11**  **(3)** | **14-18**  **(3)** | **21-25**  **(3)** | 28-31  (1) |
| - Respiration in humans(contd) | Transportation  -Transport in humans  :Blood  :Blood vessels  :Heart | Circulation in humans.  Lymphatic system  Transportation in plants | Excretion  -Humans  -Plants | Excretion (contd) |
| PRACTICALS-CO2 is given out during respiration |  | PRE MID TERM | PRE MID TERM |  |