**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 lensPract- the focal length of concave mirror and convex lens.NumericalPRE 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-IntroductionNutrition-Types:Autotrophic-Photosynthesis-Raw materials-Mechanism | Heterotrophic nutritionNutrition in amoebaNutrition 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**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 systemTransportation in plants | Excretion-Humans-Plants | Excretion (contd) |
| PRACTICALS-CO2 is given out during respiration |  | PRE MID TERM  | PRE MID TERM |  |