Indian School Al Wadi Al Kabir - Syllabus break up for

**MARCH 2019**

**SCIENCE -PHYSICS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CLASS 10** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
| **PHYSICS** |  |  | **13-14 (1DAY)** | **17-21 (3DAYS)** | **24-28 (3 DAYS)** |
|  |  |  | **CH-LIGHT- REFLECTION AND REFRACTION.**Introduction.Reflection by plane mirror. . | Virtual and real images. Characteristics of image formed by a plane mirror.Characteristics of image formed by a plane mirror.Spherical mirrorsReflection 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. |
| **LAB TOPICS:**  |

Indian School Al Wadi Al Kabir - Syllabus break up for

**APRIL - 2019**

**SCIENCE -PHYSICS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CLASS 10** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
| **SCIENCE** |  | **7-11 (3 DAYS)** | **14-18(3 DAYS)** | **21-25(2 DAYS)** | **28-30(2 DAYS)** |
|  |  | Uses of concave and convex mirrors.Sign convention for reflection by spherical mirrors. Mirror Formula and Magnification. Numerical. | 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. | Image formation by lenses. Ray diagrams for the Image formation by Convex and concave lenses. |
| **LAB TOPICS:** THE FOCAL LENGTH OF CONCAVE MIRROR AND CONVEX LENS. |

Indian School Al Wadi Al Kabir - Syllabus break up for

**MAY- 2019**

**SCIENCE -PHYSICS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CLASS 10** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
| **SCIENCE** | **1-2 (1 DAY)** | **5-9 (3 DAYS)** | **12-16 (3 DAYS)** | **19-23(3 DAYS)** | **26-30(3 DAYS)** |
|  | Lens formula and magnification.Numerical. | Power of the lensExercise and worksheet.**CH- HUMAN EYE AND COLOURFUL WORLD.**Human eye. Its parts and functions. Power of accommodation. | Power of accommodation.Defects of vision and their correction.Numerical on Defects of vision.PREMID TERM EXAM | Refraction through a prism.Refraction through a prism.Dispersion of white light by a glass prism.**PRE-MID TERM**  | Atmospheric refraction and its application.EXERCISE AND WORKSHEET.**PRE-MID TERM** |
| **LAB TOPICS:** 2.TO TRACE THE PATH OF THE RAYS OF LIGHT THROUGH GLASS SLAB.3.TO FIND THE IMAGE DISTANCE FOR VARYING OBJECT DISTANCES IN CASE OF CONVEX LENS AND DRAW THE CORRESPONDING RAY DIAGRAMS. |

Prepared by the class coordinator: Ms. Anu Mathew HOD - SCIENCE