**Indian School Al Wadi Al Kabir - Syllabus break up for August 2014**

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| X | **CH-MAGNETIC EFFECTS OF ELECTRIC CURRENT-**Magnetic field due to a current carrying circular coil. | Magnetic field due to a current carrying solenoid  Force on a current carrying conductor in a magnetic field.  **Practical-**Resistances in parallel | Fleming’s Left Hand Rule and application  Electromagnetic Induction  Fleming’s Right hand rule.  AC and DC current | Domestic Circuits  Exercise and worksheet |

**CLASS – X - PHYSICS**

Indian School Al Wadi Al Kabir - Syllabus break up for September2014

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| **Class** | **Week1** | | **Week2** | | **Week3** | | **Week4** | |
| X | **CH-SOURCES OF ENERGY**  Alternative sources of energy | Revision for SA-I | | SA-I Exam | | SA-I Exam | |

TERM- 2

Indian School Al Wadi Al Kabir - Syllabus break up

forOCTOBER 2014

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| X | **CH-LIGHT- REFLECTION AND REFRACTION.**  Introduction.  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 for the image formation by concave and Convex mirrors.  Uses of concave and convex mirrors. | . Sign convention for reflection by spherical mirrors.  Mirror Formula and Magnification.  Numerical.  Refraction of light. |

Indian School Al Wadi Al Kabir - Syllabus break up

forNOVEMBER 2014

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| X | . **CH-LIGHT- REFLECTION AND REFRACTION.**  Refraction through the glass slab.  Laws of refraction.  The refractive index.  Numericals.  Pract- Refraction through the glass slab. | . 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 | Lens formula and magnification.  Numerical.  Power of the lens  Pract- the focal length of concave mirror and convex lens. | Worksheet discussion. |

Indian School Al Wadi Al Kabir - Syllabus break up

forDecember 2014

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| X | **CH- HUMAN EYE AND COLOURFUL WORLD.**  Introduction- Human eye- parts and functions.  Pract- To find the image distance for varying object distancesin case of convex lens and draw the corresponding ray diagrams. | Power of accommodation  Defects of vision and their correction. | Numerical on Defects of vision.  Refraction through a prism. | .Winter Holidays. |

Indian School Al Wadi Al Kabir - Syllabus break up

forJanuary2014

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| X | **Winter holidays.** | **CH- HUMAN EYE AND COLOURFUL WORLD.**  Dispersion of white light by a glass prism.  Recombination of the spectrum of white light  Atmospheric refraction.  Prac- To trace the path of the rays of light through glass prism. | Scattering of light.  Tyndall effect and other applications of scattering.  .  Exercise and worksheet. | Revision for SA 2 |