**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 solenoidForce on a current carrying conductor in a magnetic field.**Practical-**Resistances in parallel | Fleming’s Left Hand Rule and applicationElectromagnetic InductionFleming’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 lensPract- 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 accommodationDefects 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 lightAtmospheric 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 |