Indian School Al Wadi Al Kabir - Syllabus break up for August2014

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| IX  | **CH-FORCE & LAWS OF MOTION**Newton’s III law | Numerical and applications Of motionApplications of Newton’s II law and III law of motion. | Conservation of momentumNumerical&exercise | Work sheet on laws of motion**CH-GRAVITATION**Universal law of gravitation. | PRACTICAL-To establish a relation between the weight of a wooden block lying on a horizontal plane and the minimum force required to just move it along the plane using a spring balance |

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| **Class**  | **Week1**  | **Week2**  | **Week3**  | **Week4**  |
| IX  | **GRAVITATION**Acceleration due to gravity Mass and weightFree fall | Revision for SA-I | SA-I EXAM | SA-I EXAM |

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

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| **Class**  | **Week1**  | **Week2**  | **Week3**  | **Week4**  |
| IX  | **GRAVITATION**Thrust and pressure.Numerical.Practical- Pressure exerted by a cuboid. | Buoyancy.Archimedes’ principle.Laws of floatation.  | Practical- Density of solid block.Relative density. | EXERCISE AND WORKSHEET.**WORK AND ENERGY**Introduction. |

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| **Class**  | **Week1**  | **Week2**  | **Week3**  | **Week4**  |
| IX  | **WORK AND ENERGY**Work done by a force.NumericalPositive, negative and zero work. | Energy. Types of energy.Kinetic energy.Pract- Archimedes’ principle. | Potential Energy.Numerical. | Law of conservation of energy. |

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

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| **Class**  | **Week1**  | **Week2**  | **Week3**  | **Week4**  |
| IX  | **WORK AND ENERGY**Exercise and worksheet | **SOUND**Production and propagation of sound.Longitudinal and transvere wave. | Sound requires a medium for propagation. Characteristics of wave. | Winter Holidays.. |

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

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| **Class**  | **Week1**  | **Week2**  | **Week3**  | **Week4**  |
| IX  | Winter holidays | **SOUND**Speed of sound.Relation between frequency and time period.Relation between frequency velocity and wavelength. | **SOUND**Numerical.Practical-Reflection of sound. | Practical- Velocity of pulse.Audible, ultrasonic and infrasonic sounds. |

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

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| **Class**  | **Week1**  | **Week2**  | **Week3**  | **Week4**  |
| IX  | Echo, Sonar and Numerical. | Exercise.Worksheet. | Revision for SA 2 | Revision for SA 2 |