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 motion  Applications of Newton’s II law and III law of motion. | Conservation of momentum  Numerical&  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 |

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

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| **Class** | | **Week1** | **Week2** | **Week3** | **Week4** |
| IX | **GRAVITATION**  Acceleration due to gravity  Mass and weight  Free 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.  Numerical  Positive, 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 |