**INDIAN SCHOOL AL WADI AL KABIR**

**DEPARTMENT OF SCIENCE 2015-16**

**WEEKLY PLAN-CLASS 9- PHYSICS**

Syllabus break up for August2015

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **Aug-5th- 6th**  **1 pd** | **Aug 9th to 13th/**  **3 pds** | **Aug 16th- 20st/**  **3 pds** | **Aug 23th- 27th/ 3 pds** | **Aug-30,31**  2 pds |

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| 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 2015**

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **Sept-1-3**  **3 pds** | **Sept 6th to 10th/ 3 pds** | **Sept 13th- 17th**  **3 pds** | **Sept 20st- 24th/ 3pds** | **Sept 27-30** |

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| IX | **GRAVITATION**  Acceleration due to gravity  Mass and weight  Free fall | Revision for SA-I | SA-I EXAM | SA-I EXAM | SA-I EXAM |

**Indian School Al Wadi Al Kabir - Syllabus break up for October 2015**

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **Oct-1**  **1 pd** | **Oct4th to 8th/ 3 pds** | **Oct 11th- 15th**  **3 pds** | **Oct 18th- 22nd 3pds** | **Oct 25th-29th**  3pds |

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| 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. | Practical |

**Indian School Al Wadi Al Kabir - Syllabus break up for November 2015**

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **Nov-1- 5th**  **3 pds** | **Nov- 8th to 12th 3 pds** | **Nov-15th- 19th**  **3 pds** | **Nov-22nd- 26th**  **3pds** | **Nov- 29th-30**  1pd |

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| 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. | Numerical |

**Indian School Al Wadi Al Kabir - Syllabus break up for December 2015**

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **Dec-1st- 3rd**  **3 pds** | **Dec- 6th to 10th/ 3 pds** | **Dec-13th- 17th**  **3 pds** | **Dec-20th-24** | **Dec- 27th-31st** |

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| 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.. | Winter Holidays.. |

**Indian School Al Wadi Al Kabir - Syllabus break up for January 2016**

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **Jan-5th- 7th/pds**  **1pd** | **Jan- 10th to 14th/**  **3 pds** | **Jan-17th- 21st**  **3 pds** | **Jan-24th- 28th/3 pds** | **Jan 31st** |

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| IX | Characteristics of wave continued. | **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. | Audible, ultrasonic and infrasonic sounds continued. |

**Indian School Al Wadi Al Kabir - Syllabus break up for February 2016**

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **Feb-1st- 4th/3pds** | **Feb- 7th to 11th/**  **3 pds** | **Feb-14th- 18th**  **3 pds** | **Feb-21st- 25th**  **3pds** | **Feb 28th-29th**  1 pd |

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| IX | Echo, Sonar and Numerical. | Exercise.  Worksheet. | Revision for SA 2 | Revision for SA 2 | Revision for SA 2 |