**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 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 |

**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 weightFree 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.NumericalPositive, 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 |