**INDIAN SCHOOL AL WADI AL KABIR**

**DEPARTMENT OF SCIENCE 2016-17**

**WEEKLY PLAN- CLASS-9-PHYSICS**

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

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| **PHYSICS** | **Week1**  | **Week2**  | **Week3**  | **Week4**  | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** |  **1-4** **(2)** |  **7-11** **(3)** |  **14 - 18** **(3)** |  **21 - 25** **(3)** | **28 - 31** **(2)**  |

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|  IX  | **CH-FORCE & LAWS OF MOTION**Newton’s Second law.Newton’s III law | Numerical and applications Of motionApplications of Newton’s II law and III law of motion.FA-2- 8th&10th | Conservation of momentumNumerical&exerciseFA-2- 16th& 18th. | Work sheet on laws of motion**CH-GRAVITATION**Universal law of gravitation.FA-2- 21st | PRACTICAL-1 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 2016**

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| **PHYSICS** | **Week1**  | **Week2**  | **Week3**  | **Week4**  | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **1** |  **4-8**  **(3)**  | **11-15** | **18-29** |  **30** |

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| IX  | **GRAVITATION**Acceleration due to gravity  | Mass and weightFree fallRevision for SA1 | EID HOLIDAYS | SA-I EXAM | SA-I EXAM |

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

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| **PHYSICS** | **Week1**  | **Week2**  | **Week3**  | **Week4**  | **Week5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **2-6** **(3)**  |  **9-13** **(3)**  |  **16-20**  **(3)** |  **23-27** **(3)** | **30-31** 1pd |

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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.**FA 3- GROUP ACTIVITY – LAB ACTIVITY** | EXERCISE AND WORKSHEET.**WORK AND ENERGY**Introduction. | Work |

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

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|  | **Week1**  | **Week2**  | **Week3**  | **Week4**  | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** |  **1-3** **(1)** |  **6-10**  **(3)**  |  **14-17** **(3)** |  **20-24** **(3)** |  **27-30** (2) |

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| IX  | **WORK AND ENERGY**Work done by a force.NumericalPositive, negative and zero work.FA -3-3rd | Positive, negative and zero work.Energy. Types of energy.Kinetic energy.FA-3-6th, 8th and 10th | Potential Energy.Numerical.Pract- Archimedes’ principle.FA-3- 15th | Law of conservation of energy.FA 3- Activity-2- PHYSICS-Matching type worksheet[Energy transformations] | Numerical |

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

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| **PHYSICS** | **Week1**  | **Week2**  | **Week3**  | **Week4**  | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** |  **1** |  **4-8** **(3)** |  **11-15** **(3)** | **18-20** **(3)** |  |

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| IX  | **WORK AND ENERGY**Exercise and worksheet | **SOUND**Production and propagation of sound.Longitudinal and transverse wave. Sound requires a medium for propagation. | Characteristics of wave.Characteristics of wave continued. | Winter Holidays.. | Winter Holidays.. |

**Indian School Al Wadi Al Kabir - Syllabus break up for January 2017**

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| **PHYSICS** | **Week1**  | **Week2**  | **Week3**  | **Week4**  | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** |  |  | **15-19****(3)** | **22-26** **(3)**  | **29-31** **(2)** |

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| IX  | WINTER HOLIDAYS | WINTER HOLIDAYS | .**SOUND**Speed of sound.Relation between frequency and time period.Relation between frequency velocity and wavelength.FA-4-16th&18th. | Numerical.Practical-Reflection of sound.Practical- Velocity of pulse.Audible, ultrasonic and infrasonic sounds.FA-4-22nd,24th | Audible, ultrasonic and infrasonic sounds continued.FA-4- 29th&31st**FA 4- Activity-2****Numerical based** |

**Indian School Al Wadi Al Kabir - Syllabus break up for February 2017**

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| **PHYSICS** | **Week1**  | **Week2**  | **Week3**  | **Week4**  | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **1-2** **(1)** |  **5-9** **(3)pds** | **12-16** **(3)** |  **19-23****(3)** |  **26-28** **(3)** |

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