**Indian School Al Wadi Al Kabir - Syllabus break up for 2017-18**

**PHYSICS**

**WEEKLY PLAN – MONTH …………July………………… ………… CLASS :………IX…………………………………**

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| **PHYSICS** | I WEEK | II WEEK | III WEEK | IV WEEK | V WEEK |
| **DATE/ INSTRUCTION PERIODS** |  |  |  | **24-27** | **30** |
|  | **.**  **SUMMER HOLIDAYS** | **.**  **SUMMER HOLIDAYS** | **.**  **SUMMER**  **HOLIDAYS** | CHAPTER-2-**FORCE AND LAWS OF MOTION.**  Introduction  Balanced and unbalanced forces.  Newton’s 1st law of motion | Inertia and mass  Introduction to Newton’s second law of motion  Mathematical formula of Newton’s II law  Numericals |

**WEEKLY PLAN – MONTH …………AUGUST………………… ………… CLASS :………IX…………………………**

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **1-3**  **(2)** | **6-10**  **(3)** | **13 - 17**  **(3)** | **20- 24**  **(3)** | **27 - 31**  **(2)** |

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| IX | Newton’s III law of motion  Conservation of momentum | .Numericals  Work sheet on laws of motion | **CH-GRAVITATION**  Universal law of gravitation  14 – Janmashtmi holiday | Acceleration due to gravity | Numericals  Mass and weight |

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

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** |
| **DATE/ INSTRUCTIONAL PERIODS** | **3-7** | **10-14**  **(3)** | **17-21** | **24-28** |

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| IX | Weight of an object on the moon  3/9,4/9- holidays | Mid term | Mid term | Mid term |

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

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **2-5**  **(3)** | **8-12**  **(3)** | **15-19**  **(3)** | **22-26**  **(3)** | **30-31** |

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| IX | Thrust and pressure | Practical- Pressure exerted by a cuboid  Numericals  .  .  . | Buoyancy.  Archimedes’ principle  Laws of floatation  .19.10 holiday  . | Practical- Density of solid block.  Relative density  . | EXERCISE AND WORKSHEET |

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

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **1-2**  **(1)** | **5-9**  **(3)** | **12-16**  **(3)** | **19-23**  **(3)** | **26-30**  (2) |

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| IX | **WORK AND ENERGY**  Introduction  Work done by a force. | Positive, negative and zero work.  Numericals of work done | Energy.  Types of energy.  Kinetic energy  . | Pract- Archimedes’ principle.  Numericals | Potential Energy.  26.11- Sports day |

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

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **3-7** | **10-14**  **(3)** | **17-21**  **(3)** | **24-31**  **(3)** |  |

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| IX | **WORK AND ENERGY**  Numerical.  Law of conservation of energy  power  Exercise and worksheet  7.12 – Founders day | **SOUND**  Production and propagation of sound.  Longitudinal and transverse wave..  11.12,13.12 – Post midterm | 17.12,18.12,19.12,21.12 –post midterm | Winter Holidays.. | Winter Holidays.. |

**Indian School Al Wadi Al Kabir - Syllabus break up for January 2018**

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

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| IX | WINTER HOLIDAYS | WINTER HOLIDAYS | .  **SOUND**  Sound requires a medium for propagation Characteristics of wave.  Characteristics of wave continued Speed of sound.  Relation between frequency and time period.  Relation between frequency velocity and wavelength. | Numerical.  Practical-Reflection of sound.  Practical- Velocity of pulse.  Audible, ultrasonic and infrasonic sounds. | Echo,Audible, ultrasonic and infrasonic sounds continued. |

**Indian School Al Wadi Al Kabir - Syllabus break up for February 2018**

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **1-8**  **(1)** | **11-15**  **(3)pds** | **18-22**  **(3)** | **19-23**  **(3)** | **25-28**  **(3)** |

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

March 04.03 Final assessment begins