**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.**IntroductionBalanced and unbalanced forces.Newton’s 1st law of motion | Inertia and massIntroduction to Newton’s second law of motionMathematical formula of Newton’s II lawNumericals |

**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 motionConservation of momentum | .NumericalsWork sheet on laws of motion | **CH-GRAVITATION**Universal law of gravitation14 – Janmashtmi holiday | Acceleration due to gravity | NumericalsMass 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 moon3/9,4/9- 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 cuboidNumericals... | Buoyancy.Archimedes’ principleLaws 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**IntroductionWork 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 energypowerExercise and worksheet7.12 – 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