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

**WEEKLY PLAN – MONTH …………JULY………………… ………… CLASS :………X…………………………………**

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| **PHYSICS** | I WEEK | II WEEK | III WEEK | IV WEEK | V WEEK |
| **DATE/ INSTRUCTION PERIODS** |  |  |  | **24 - 27** | **30&31** |
|  | . SUMMER HOLIDAYS | SUMMER  HOLIDAYS | SUMMER  HOLIDAYS | Image formation by Convex and concave lenses.  Lens formula and magnification.  Power of the lens | Numerical and exercises. |

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

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

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| X | **CH- HUMAN EYE AND COLOURFUL WORLD.**  Introduction- Human eye- parts and functions.Power of accommodation. | Defects of vision and their correction.  Pract- To find the image distance for varying object distances in case of convex lens and draw the corresponding ray diagrams. | Numerical on Defects of vision.  Refraction through a prism.  Practical-  Refraction through the glass slab. | Dispersion of white light by a glass prism.  Atmospheric refraction and its application.  Prac- To trace the path of the rays of light through glass prism. | **Scattering of light &**  Its application.  Worksheet and exercises. |

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

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** |  | **3 -7**  **(3)** | **10 - 14**  (3) | **17-21**  (3) | **24-28**  (3) |

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| X | REVISION FOR MID TERM | REVISION FOR MID TERM | MID TERM  EXAM | MID TERM  EXAM | MID TERM  EXAM |

**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** | **1-5**  **(3)** | **8 - 12**  **(3)** | **15 -19**  **(3)** | **22 - 26**  **(3)** | **29 - 31** |

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| X | CHAPTER: ELECTRICITY  Introduction. Electric current and electric circuit. | Potential and potential difference. Numerical. Ohm’s law. Resistance and resistivity. | Factors on which resistance depends on.  Numerical based on resistance and resistivity  Practical - Ohm’s law ( 1st batch) | Resistances in series and parallel combination. ( Derivation)  Numerical | Practical - Practical 2  Resistance in series |

**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 -15**  **(3)** | **19 - 23**  **(3)** | **26 -30**  (2) |

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| X | Electric power and numerical. | Heating effect of electric current. Exercises and worksheet.  Practical 2  Resistance in series | **Magnetic effects of electric current.**  Introduction  Magnetic field and magnetic field lines. | Right hand thumb rule.  Magnetic field due to a current carrying circular loop.  Practical 3  Resistance in parallel. | Magnetic field due to a current carrying solenoid. Force on a currentcarrying conductor in a magnetic field. |

**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** | **1** | **3 - 7**  **(3)** | **10 - 14**  **(3)** | **17 - 21**  **(3)** |  |

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| X | **Practical-**Resistances in parallel.  Fleming’s Left Hand Rule and application  Electromagnetic Induction  Fleming’s Right hand rule.  AC and DC current. | Domestic Circuits. Short circuit and overloading. Exercise Numerical  Worksheet discussion | POST-MID TERM EXAM | . POST-MID TERM EXAM | 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** |  |  | | **14 - 18**  **(3)** | **21 - 25**  **(3)** | **28 -31**  **(2)** |

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| X | WINTER HOLIDAYS | WINTER HOLIDAYS | **CH-SOURCES OF ENERGY**  Alternative sources of energy | Worksheet and exercises. REVISION | REVISION |

**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**  **(1)** | **4 - 8**  **(3)** | **11 - 15**  **(3)** | **18 - 22**  **(3)** | **25 -28**  **(3)** |

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| X | .REVISION | REVISION | REVISION | REVISION | REVISION |