**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 | SUMMERHOLIDAYS | 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 TERMEXAM | MID TERMEXAM | MID TERMEXAM |

**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: ELECTRICITYIntroduction. 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 resistivityPractical - Ohm’s law ( 1st batch) | Resistances in series and parallel combination. ( Derivation)Numerical  | Practical - Practical 2Resistance 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 2Resistance 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 3Resistance 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 applicationElectromagnetic InductionFleming’s Right hand rule.AC and DC current. | Domestic Circuits. Short circuit and overloading. Exercise NumericalWorksheet 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  |