**Indian School Al Wadi Al Kabir - Syllabus break up for 2018-19**

**PHYSICS**

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

**WEEKLY PLAN – MONTH …………AUGUST………2018………… ………… CLASS :………X…………………………**

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| X | **CH- LIGHT**  **Numerical on lens formula and Magnification**  **Power of the lens and numerical** | **Power of the lens and numerical**  **CH- HUMAN EYE AND COLOURFUL WORLD.**  Human eye. Its parts and functions. Power of accommodation. | Power of accommodation.  Defects of vision and their correction. | Numerical on Defects of vision.  Refraction through a prism.  Refraction through a prism. | Dispersion of white light by a glass prism.  Atmospheric refraction and its application.  Dispersion of white light by a glass prism.  Atmospheric refraction and its application. |

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| PRACTICAL |  | Pract- To find the image distance for varying object distances in case of convex lens and draw the corresponding ray diagrams. |  | Pract- To trace the path of the rays of light through glass slab & glass prism. |

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

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | 2 – 6  (3) | **9 - 13**  **(3)** | **16 - 20**  (3) | **23 - 27**  (3) | **30**  (1) |

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| X | **Scattering of light &**  Its application.  Worksheet and exercises. | REVISION FOR MID TERM | MID TERM EXAM | MID TERM  EXAM | MID TERM  EXAM |

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

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **1-4**  **(3)** | **7 – 11**  **(3)** | **14 -18**  **(3)** | **21 - 225**  **(3)** | **28 - 31**  **(2)** |

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

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

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **1**  **(1)** | **4 - 8**  **(3)** | **11 -15**  **(2)** | **18- 22**  **(3)** | **25 - 29**  (3) |

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| X | Electric power | Heating effect of electric current. Exercises and worksheet. | **Magnetic effects of electric current.**  Introduction  Magnetic field and magnetic field lines. | Right hand thumb rule.  Magnetic field due to a current carrying straight conductor. Magnetic field due to a current carrying circular loop.  Magnetic field due to a current carrying solenoid. | Force on a currentcarrying conductor in a magnetic field.  Fleming’s Left Hand Rule and application  Electric motor. |

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| PRACTICAL |  | Practical 2  Resistance in series | **Practical-**Resistances in parallel. |  |

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

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** | **2-6**  **(2)** | **9- 13**  **(3)** | **16 - 20**  **(3)** | **23- 27**  **(3)** |  |

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| X | . Electromagnetic Induction  Fleming’s Right hand rule.  Electric generator. | POST MID TERM | POST MID TERM. | Winter Holidays.. | Winter Holidays.. |

**Indian School Al Wadi Al Kabir - Syllabus break up for January 2019**

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** | **Week 5** |
| **DATE/ INSTRUCTIONAL PERIODS** |  | **9&10** | **13 - 17**  **(3)** | **20 - 24**  **(3)** | **27 - 31**  **(2)** |

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| X | WINTER HOLIDAYS | AC and DC current.  Domestic Circuits. Short circuit and overloading. | Exercise and worksheet  **CH-SOURCES OF ENERGY**  Conventional sources of energy | **CH-SOURCES OF ENERGY**  Alternative sources of energy. Worksheet and Exercise. | REVISION |

**Indian School Al Wadi Al Kabir - Syllabus break up for February 2019**

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| **PHYSICS** | **Week1** | **Week2** | **Week3** | **Week4** |
| **DATE/ INSTRUCTIONAL PERIODS** | **3-7**  **(1)** | **10- 14 (3)** | **17 - 21**  **(3)** | **24 - 28**  **(3)** |

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| X | . MOCK EXAMINATION | MOCK EXAMINATION | MOCK EXAMINATION | REVISION |