**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 TERMEXAM | MID TERMEXAM |

**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: ELECTRICITYIntroduction. 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 applicationElectric motor. |

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| PRACTICAL |  | Practical 2Resistance 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 InductionFleming’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  |