Indian School Al Wadi Al Kabir - Syllabus break up for

**AUGUST 2019**

**PHYSICS**

|  |  |  |  |  |  |
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| **CLASS 10** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
| **PHYSICS** | **1ST AUGUST** | **4-8(3 DAYS)** | **11-15 (1DAY)** | **18-22 (3DAYS)** | **25-29 (3 DAYS)** |
|  |  | **CH- HUMAN EYE AND COLOURFUL WORLD.**  Dispersion of white light by a glass prism.  Atmospheric refraction and its application.  **Scattering of light &**  Its application. | Discussion of exercises. | Discussion of worksheet.  **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. |
| **LAB TOPICS:**  Prac- To trace the path of the rays of light through glass prism. | | | | | |

Indian School Al Wadi Al Kabir - Syllabus break up for

**SEPTEMBER 2019**

PHYSICS

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| **CLASS 10** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
| **SCIENCE** | **1-5(2 DAYS)** | **8-12 (2 DAYS)** | **15-19 (3 DAYS)** | **22-26 (3 DAYS)** | **29-30 (2 DAYS)** |
|  | Resistances in series and parallel combination. ( Derivation) | **REVISION FOR MID TERM.** | **MID TERM EXAMINATION.** | **MID TERM EXAMINATION.** | **MID TERM EXAMINATION.** |
| **LAB TOPICS:** | | | | | |

Indian School Al Wadi Al Kabir - Syllabus break up for

**OCTOBER - 2019**

**PHYSICS**

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| **CLASS 10** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
| **PHYSICS** | **1-3 (2 DAYS)** | **6-10 (3 DAYS)** | **13-17 (3 DAYS)** | **20-24 (3 DAYS)** | **27-31 (2 DAYS)** |
|  | Electric power and numerical.  Heating effect of electric current. | Exercises and worksheet.  **CH-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. | Magnetic field due to a current carrying solenoid. Force on a current carrying conductor in a magnetic field. | 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 and worksheet |
| **LAB TOPICS:**  OHM’S LAW | | | | | |

Indian School Al Wadi Al Kabir - Syllabus break up for

**NOVEMBER - 2019**

**PHYSICS**

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| **CLASS 10** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
| **PHYSICS** |  | **3- 7 (3 DAYS)** | **10-14 (3 DAYS)** | **17-21 (3 DAYS)** | **24-28 (3 DAYS)** |
|  |  | Exercise and worksheet  **SOURCES OF ENERGY**  **Conventional sources of energy.**  Alternative sources of energy | Alternative sources of energy and environmental consequences.  Exercises. | REVISION FOR 1ST REHEARSAL EXAMINATION. | 1ST REHEARSAL EXAMINATION. |
| **LAB TOPICS:**  RESISTANCES IN SERIES AND PARALLEL | | | | | |

Indian School Al Wadi Al Kabir - Syllabus break up for

**DECEMBER - 2019**

**PHYSICS**

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| **CLASS 10** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
| **PHYSICS** | **1 -5 (3 DAYS)** | **8 - 12 (3 DAYS)** | **15-19 (3 DAYS)** |  |  |
|  | 1ST REHEARSAL EXAMINATION. | REVISION FOR 2ND REHEARSAL EXAMINATION. | REVISION FOR 2ND REHEARSAL EXAMINATION. | **. WINTER HOLIDAYS** | **WINTER**  **HOLIDAYS** |
| **LAB TOPICS :** | | | | | |

Indian School Al Wadi Al Kabir - Syllabus break up for

**JANUARY- 2020**

**PHYSICS**

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| **CLASS 10** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
| **PHYSICS** |  | **8-9** | **12-16** | **26 -30** |  |
|  | **WINTER HOLIDAYS** | 2ND REHEARSAL EXAMINATION. | 2ND REHEARSAL EXAMINATION. | . 2ND REHEARSAL EXAMINATION. |  |

Indian School Al Wadi Al Kabir - Syllabus break up for

**FebruARY- 2020**

**PHYSICS**

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| **CLASS 10** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
| **PHYSICS** |  | **2 - 6** | **9 -13** | **16-20** | **23 -27** |
|  |  | REVISION FOR BOARD EXAMINATION | REVISION FOR BOARD EXAMINATION | . REVISION FOR BOARD EXAMINATION | REVISION FOR BOARD EXAMINATION |

Indian School Al Wadi Al Kabir - Syllabus break up for

**MARCH- 2020**

**PHYSICS**

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| **CLASS 10** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** |
| **PHYSICS** |  | **2 - 6** | **9 -13** | **16-20** | **23 -27** |
|  |  | BOARD EXAMINATION | BOARD EXAMINATION | BOARD EXAMINATION | BOARD EXAMINATION |

**PREPARED BY Ms. Anu Annie Mathews CHECKED BY : HOD - SCIENCE**