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| WEEKLY PLAN  Indian School Al Wadi Al Kabir - Syllabus break up for MARCH 2018 –  **Engineering Graphics** | | | | | |
| Class 12  EG | Week1 | Week2 | Week3 (14-15) | Week4(18-22) | Week5(25-29) |
| **MARCH**  **( 14 – 29)** |  |  | **Isometric Projection**  Introduction:  Isometric Projection of Prisms | Isometric Projection of Pyramids  Isometric Projection of Cone and Cylinder | Isometric Projection of Frustums  Combination of Solids |
| **PRACTICALS**   * Introduction to collabcad software | | | | | |

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| **APRIL**  **(1-30)** | **(1 – 5)**  **Machine Drawing**  Types of Threads  Types of Bolts  Types of Nuts  Washer | **(8-12)**  Combination of Bolt,nut and washer for Assembling two parts together**.**  Rivets and Riveted joints | **(15-19)**  Conventional representation of threads.  Studs  Types of sunk keys  Machine screws | **(22-26)**  **Bearings**  Classification of bearings  Bushed bearing  Open bearing | **(29-30)**  Plummer block  Foot step bearing or Pivot bearing**.** |
| **PRACTICALS**   * Model making using plasticine or thermocol | | | | | |

Syllabus break up for APRIL 2018

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| Syllabus break up for MAY 2018 | | | | |
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| **MAY (01 – 31)** | **(1-3)**  **ROD JOINTS**  Cotter joint  Sleeve and cotter joint  Socket and spigot joint | **(6-10)**  Knuckle Joint or Pin joint.  GIB and cotter joint Assembling and Dissembling of cotter joints | **(13-17)**  **Introducion to CollabCAD software.**  **Tie Rod and Pipe joints**  Introduction:  Tie rod joints and its details. | **(20-24)**  **UNIT TEST** | **(27-31)**  **UNIT TEST** |
| PRACTICALS   * Drawing of machine blocks using collabcad software * Machine block making | | | | | |
| **SUMMER BREAK (From 03.06.18 to 31.07.18)** | | | | | |