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| **Indian School Al Wadi Al Kabir - Syllabus break up for 2017-18 – BIOLOGY** | | | | | |
| Class 12 | Week1 | Week2 | Week3 | Week4 |  |
| **MARCH**  **( 15 – 30)** | -- | -- | **Reproduction in organisms**  Asexual and sexual reproduction | **Reproduction in organisms** - completion  **Sexual reproduction in flowering plants**  Pre-fertilisation - structure and events | **Sexual reproduction in flowering plants**  Double fertilization  Post fertilization:-structure and events |
| **PRACTICALS**   * Pollen germination * T. S of testis & ovary * Frog blastula. | | | | | |
| **APRIL**  **(2 -30)** | **Sexual reproduction in flowering plants -**  completion  **Human reproduction**-  Reproductive organ - Male | **Human reproduction –**  Reproductive organ – female, menstrual cycle, Fertilisation and Implantation.  Pregnancy and embryonic development | **Human reproduction –**  Pregnancy and embryonic developmentParturition and lactation | **Reproductive health** – complete chapter.  **Principles of inheritance and variation** – Mendel’s laws of  Inheritance and different crosses. |  |
| PRACTICALS   * Controlled pollination * Insect & wind pollinated flowers | | | | | |
| **MAY**  **(01 – 25)** | **Principles of inheritance and variation –**  Sex determination  Mutation  Genetic disorders  **Molecular basis of inheritance -**  DNA as genetic material – experiments. | **Molecular basis of inheritance–**  DNA - structure  DNA Replication  Transcription | **Molecular basis of inheritance -**  Genetic Code  Translation | **Molecular basis of inheritance -**  Translation  UNIT TEST 1 | UNIT TEST I |
| PRACTICALS   * Pedigree analysis | | | | | |