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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 fertilizationPost fertilization:-structure and events |
| **PRACTICALS*** Pollen germination
* T. S of testis & ovary
* Frog blastula.
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| **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 ofInheritance and different crosses. |  |
| PRACTICALS* Controlled pollination
* Insect & wind pollinated flowers
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| **MAY** **(01 – 25)** | **Principles of inheritance and variation –**Sex determinationMutationGenetic disorders**Molecular basis of inheritance -**DNA as genetic material – experiments. | **Molecular basis of inheritance–**DNA - structure DNA ReplicationTranscription | **Molecular basis of inheritance -**Genetic CodeTranslation | **Molecular basis of inheritance -**TranslationUNIT TEST 1 | UNIT TEST I  |
| PRACTICALS* Pedigree analysis
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