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| **Indian School Al Wadi Al Kabir - Syllabus break up for 2017-18** | | | | | |
| Class 11  Biology | Week1 | Week2 | Week3 | Week4 | Week5 |
| **JULY (24 – 31)** |  |  |  | Neural control and co-ordination – | Neural control and co-ordination – |
| **AUG (01 – 31)** | Chemical – co-ordination – endocrine glands and hormonal regulation | Transport in plants  Plant water relations  Transpiration  Phloem transport | Mineral nutrition  Essential mineral elements  Translocation of solutes  Mineral nutrition  Nitrogen metabolism | Photosynthesis in higher plants  Early experiments  Mechanism of photosynthesis  ETS  C4 pathway  Photosynthesis:  Photorespiration  Factors | Respiration in plants:  Glycolysis |
| **SEP (03 – 28)** | Fermentation  Aerobic respiration  Amphibolic pathway  RQ | Plant growth and development:  Development, PGRs and Photoperiodism and Vernalisation. | Cell structure and function:  Cell: The unit of life  Cell theory  ASSESSMENT 1 | Prokaryotic cell and Eukaryotic cell.  ASSESSMENT 1 |  |
| **OCT (01 – 31)** | Biomolecules  Primary and secondary metabolites | Bio macromolecules  Proteins  Nucleic acids | Structure of proteins  Nature of bond linking  Metabolism  Living state  Enzymes | Cell cycle and cell division:  M phase  Mitosis  Meiosis  Significance | Cell cycle – Meiosis  significance |
| **NOV (01 – 30)** | Diversity in the living world:  Characters  Taxonomic categories  Taxonomical aids \*Biological classification:  Kingdom Monera,  Protista, Fungi, Plantae & Animalia  Viruses, viroids & lichens | Plant kingdom:  Algae, Bryophytes, Pteridophytes, Gymnosperms, Angiosperms  Life cycle | Animal kingdom  Basis of classification  Phylum – Porifera, Coelenterata, Ctenophora, Platyhelminthes & | Aschelminthes, Annelida, Arthropoda, Echinodermata, Hemichordata and Chordata |  |
| **DEC (03 – 21)** | Structural organization in Plants: The root, The stem, The leaf, The inflorescence, The flower | The fruit, The seed  Semi-technical description of a plant  ASSESSMENT II | Families.  Anatomy of flowering plants  ASSESSMENT II |  |  |
| **JAN (11 -31)** |  |  | The tissues, tissue system, Anatomy of dicot and monocot root, stem and leaf.  Secondary growth. | Structural organization in Animals:  Animal tissues, | Earth worm, Frog and Cockroach. |
| **FEB / MARCH** | REVISION  FINAL EXAMINATION | | | | |