|  |
| --- |
| **Indian School Al Wadi Al Kabir - Syllabus break up for 2017-18** |
| Class 11Biology | 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 plantsPlant water relationsTranspirationPhloem transport | Mineral nutritionEssential mineral elementsTranslocation of solutesMineral nutritionNitrogen metabolism | Photosynthesis in higher plantsEarly experimentsMechanism of photosynthesisETSC4 pathwayPhotosynthesis:PhotorespirationFactors | Respiration in plants:Glycolysis |
| **SEP (03 – 28)** | FermentationAerobic respirationAmphibolic pathwayRQ | Plant growth and development:Development, PGRs and Photoperiodism and Vernalisation. | Cell structure and function:Cell: The unit of lifeCell theoryASSESSMENT 1 | Prokaryotic cell and Eukaryotic cell. ASSESSMENT 1 |  |
| **OCT (01 – 31)** | BiomoleculesPrimary and secondary metabolites | Bio macromoleculesProteinsNucleic acids | Structure of proteinsNature of bond linkingMetabolismLiving stateEnzymes | Cell cycle and cell division:M phaseMitosisMeiosisSignificance | Cell cycle – Meiosissignificance |
| **NOV (01 – 30)** | Diversity in the living world:CharactersTaxonomic categoriesTaxonomical aids \*Biological classification:Kingdom Monera,Protista, Fungi, Plantae & AnimaliaViruses, viroids & lichens | Plant kingdom:Algae, Bryophytes, Pteridophytes, Gymnosperms, AngiospermsLife cycle | Animal kingdomBasis of classificationPhylum – 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 seedSemi-technical description of a plantASSESSMENT II | Families. Anatomy of flowering plantsASSESSMENT 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 |