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| WEEKLY PLAN  Indian School Al Wadi Al Kabir - Syllabus break up for AUGUST 2018- BIOLOGY | | | | | |
| Class 11  biology | Week1(1-2) | Week2 (5-9) | Week3 (12-16) | Week4(19-21) | Week5(26-30) |
| **AUGUST**  **( 1 – 30)** | Neural control | Chemical control  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  Fermentation  Aerobic respiration  Amphibolic pathway  RQ |
| **PRACTICALS**   * Potato osmoscope | | | | | |

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| **SEPT.**  **(2-30)** | **(2 – 6)**  Plant growth and development:  Development  Plant growth regulators  Photoperiodism  Vernalisation | **(9-13)**  REVISION  AS 1 | **(16-20)**  AS 1 | **(23-27)**  AS 1 | **(30)**  **AS 1** |

Syllabus break up for SEPTEMBER 2018

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| Syllabus break up for OCTOBER 2018 | | | | |
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| **OCT (01 – 31)** | **(1-4)**  Diversity in the living world:  Characters  Taxonomic categories  Taxonomical aids \*Biological classification:  Kingdom Monera,  Protista, | **(7-11)**  Fungi, Plantae & Animalia  Viruses, viroids & lichens | **(14-18)**  Plant kingdom:  Algae, Bryophytes, Pteridophytes, Gymnosperms, Angiosperms  Life cycle | **(21-25)**  Animal kingdom  Basis of classification  Phylum – Porifera, Coelenterata, Ctenophora, Platyhelminthes & Aschelminthes, Annelida, Arthropoda, Echinodermata, Hemichordata and Chordata | **(28-31)**  Cell structure and function:  Cell: The unit of life  Cell theory  Prokaryotic cell and Eukaryotic cell. |
| PRACTICALS   * Plant specimens * Animal specimens | | | | | |
| Syllabus break up for NOVEMBER 2018 | | | | |
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| **NOV (01 – 31)** | **(1)**  Biomolecules  Primary and secondary metabolites  Bio macromolecules  Proteins  Nucleic acids | **(4-8)**  Structure of proteins  Nature of bond linking  Metabolism  Living state  Enzymes | **(11-15)**  Cell cycle and cell division:  M phase  Mitosis  Meiosis  Significance | **(18-22)**  Meiosis  Significance | **(25-29)**  Structural organization in Plants: The root, The stem, The leaf, The inflorescence, The flower |
| PRACTICALS   * Mitosis * Modifications – stem, root and leaf | | | | | |

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| Syllabus break up for DECEMBER 2018 | | | | |
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| **OCT (01 – 31)** | **(2-6)**  The fruit, The seed | **(9-13)**  REVISION  AS 2 | **(16-20)**  AS 2 | **(23-27)**  WINTER BREAK | **(30-31)**  WINTER BREAK |
| PRACTICALS   * Families | | | | | |
| **WINTER BREAK (From 23.12.18 to 08.01.19)** | | | | | |

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| Syllabus break up for JANUARY 2019 | | | | |
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| **JAN (01 – 31)** | **(1-3)**  WINTER BREAK | **(6-10)**  WINTER BREAK  Anatomy of flowering plants (2 days) | **(13-17)**  The tissues, tissue system, Anatomy of dicot and monocot root, stem and leaf. | **(20-24)**  Secondary growth | **(27-31)**  Structural organization in Animals:  Animal tissues, |
| **PRACTICALS**   * **Dicot and monocot – root and stem** * **Animal tissues** | | | | | |
| Syllabus break up for FEBRUARY 2019 | | | | |
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| **FEB (01 – 28)** | **(3-7)**  Syllabus completion | **(10-14)**  REVISION  PRACTICALS | **(17-21)**  REVISION  AS 3 | **(24-28)**  AS 3 |  |