**INDIAN SCHOOL AL WADI AL KABIR**

**DEPARTMENT OF SCIENCE 2015-16**

**WEEKLY PLAN-CLASS 11 -BIOLOGY**

Indian School Al Wadi Al Kabir - Syllabus break up for August2015

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| XI | Endocrine System. | \*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 |

Indian School Al Wadi Al Kabir - Syllabus break up for September2015

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| XI | \*Respiration in plants:  Glycolysis  Fermentation  Aerobic respiration  Amphibolic pathway  RQ | Plant growth and development:  Development  Plant growth regulators  Photoperiodism  Vernalisation | Assessment II | Assessment II |

Indian School Al Wadi Al Kabir - Syllabus break up for October2015

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| XI | \*Diversity in the living world:  Characters  Taxonomic categories  Taxonomical aids\*Biological classification:  Kingdom Monera,  Protista, Fungi, Plantae &Animalia  Viruses, virioids& lichens | Plant kingdom:  Algae, Bryophytes, Pteridophytes, Gymnosperms, Angiosperms  Life cycle | Animal kingdom  Basis of classification  Phylum – Porifera, Coelenterata, Ctenophora, Platyhelminthes &Aschelminthes | Phylum – Annelida, Arthropoda, Mollusca, Echinodermata  Hemichordata  Chordata |

Indian School Al Wadi Al Kabir - Syllabus break up for November2015

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| XI | Cell structure and function:  Cell: The unit of life  Cell theory  Prokaryotic cell | Cell: The unit of life  Eukaryotic cells | Biomolecules  Primary and secondary metabolites  Biomacromolecules  Proteins  Nucleic acids | Structure of proteins  Nature of bond linking  Metabolism  Living state  Enzymes |

Indian School Al Wadi Al Kabir - Syllabus break up for December2015

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| XI | Cell cycle and cell division:  M phase  Mitosis  Meiosis  Significance | Structural organization in Plants: The root, The stem, The leaf, The inflorescence, The flower | The fruit, The seed  Semi-technical description of a plant  Families | Winter break |

Indian School Al Wadi Al Kabir - Syllabus break up for January2016

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| XI | Anatomy of flowering plants  The tissues, The tissue system, Anatomy of dicot and monocot root | Anatomy of dicot & monocot stem and leaves  Secondary growth | Stuctural organization in Animals:  Animal tissues | Stuctural organization in Animals:  Organ and organ systems  Earth worm |

Indian School Al Wadi Al Kabir - Syllabus break up for february2016

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| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| XI | Stuctural organization in Animals:  Cockroach | Practical Exam | Revision | Revision |