**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 plantsPlant water relationsTranspirationPhloem transport\*Mineral nutritionEssential mineral elementsTranslocation of solutes | Mineral nutritionNitrogen metabolism\*Photosynthesis in higher plantsEarly experimentsMechanism of photosynthesisETSC4 pathway | Photosynthesis:PhotorespirationFactors |

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

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| **Class**  | **Week1**  | **Week2**  | **Week3**  | **Week4**  |
| XI | \*Respiration in plants:GlycolysisFermentationAerobic respirationAmphibolic pathwayRQ | Plant growth and development:DevelopmentPlant growth regulatorsPhotoperiodismVernalisation | 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:CharactersTaxonomic categoriesTaxonomical aids\*Biological classification:Kingdom Monera,Protista, Fungi, Plantae &AnimaliaViruses, virioids& lichens | Plant kingdom:Algae, Bryophytes, Pteridophytes, Gymnosperms, AngiospermsLife cycle | Animal kingdomBasis of classificationPhylum – Porifera, Coelenterata, Ctenophora, Platyhelminthes &Aschelminthes | Phylum – Annelida, Arthropoda, Mollusca, EchinodermataHemichordataChordata |

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 lifeCell theoryProkaryotic cell | Cell: The unit of lifeEukaryotic cells | BiomoleculesPrimary and secondary metabolitesBiomacromoleculesProteinsNucleic acids | Structure of proteinsNature of bond linkingMetabolismLiving stateEnzymes |

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 phaseMitosisMeiosisSignificance | Structural organization in Plants: The root, The stem, The leaf, The inflorescence, The flower | The fruit, The seedSemi-technical description of a plantFamilies | 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 plantsThe tissues, The tissue system, Anatomy of dicot and monocot root | Anatomy of dicot & monocot stem and leavesSecondary growth | Stuctural organization in Animals: Animal tissues | Stuctural organization in Animals:Organ and organ systemsEarth 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 |