Biology - xi

Indian School Al Wadi Al Kabir - Syllabus break up for August2014

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| XI | 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 |

Indian School Al Wadi Al Kabir - Syllabus break up for September2014

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| XI | Plant growth and development:  Development  Plant growth regulators  Photoperiodism  Vernalisation | Diversity in the living world:  Characters  Taxonomic categories  Taxonomical aids | Assessment II | Assessment II |

Indian School Al Wadi Al Kabir - Syllabus break up for October2014

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **Week1** | **Week2** | **Week3** | **Week4** |
| XI | 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 November2014

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 December2014

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 January2015

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 february2015

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