**Annual plan for the academic year 2019 -20**

**Subject- Biology Group: NIOS**

**Broader Objectives**

1. Enable the learner to explain the science behind natural phenomena;
2. Familiarize the learners with various facets of science and the role it plays in human welfare;
3. Develop scientific attitude so that reasoning wins over blind faith and opinions;
4. Enable the learner to formulate simple hypotheses, verify them and apply in his/her daily life activities;
5. Cultivate the interest of the learners in Science &Technology and encourage them to pursue it as a career.
6. Represent different structures and their parts.
7. Differentiate between different structures.
8. Understand different levels of organization in plant and animal kingdom.
9. Understand and explain different biological processes.
10. Observe biological processes in life and around us.
11. Develop drawing skills – Draw in proportion and label the parts.
12. Use appropriate scientific terminology.

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| Month | Topic | Sub topic |
| June | Living World | * Transportation in Plants * Lymphatic system * Respiration in plants * Excretion |
| July | Living World | * Control and Co-ordination |
| August | Living world | * Reproduction |
| September | Living World | * Heredity |
| October | Living World | * Classification of living organisms |
| November | Living World | * History of life on Earth |
| December | Living World | * Cells and Tissues(Revision) |
| January | Humans and Environment | * Food production * Health and Hygiene |
| February | Humans and Environment  (Class presentation) | * Human Impact on environment * Natural environment |
| March | * Revision and Final Exams | |