

**YEAR PLAN 2018- 2019**

**Grade VI BIOLOGY**

The academic year is divided into **two** sessions

**Session One:** June 2018 to October 2018

**Session Two:** November 2018 to March 2019

**Continuous assessments:** June, July, August, September, November, December, January, February

**Summative Assessment I:** October 2018

**Summative Assessment II:** March 2019

Please check the **index page** in the notebooks for Continuous Assessment marks. .

**General Objectives:**

- To develop an understanding on the importance of plants in our lives.
- To impart knowledge through the study of nature.
- To recognize cell and cell organelles.
- To develop an understanding of the functioning of the digestive, respiratory and circulatory systems in the human body.
- To create an awareness on health and hygiene.
- To understand the features that help organisms to adapt to their particular environment.

**Project: SA1: Observe and analyse the plants in paludarium and write a report on different types of interactions in it.**

**SAII: Prepare a booklet on plants and animals of various habitats.**

**Session One June 2018 to October 2018**

Duration	Topic	Specific learning objectives	Activities
June -July	<b>Unit 1.Plant life.</b>	To understand the functions,types and modifications of roots. To understand the functions,types and modifications of stem. To distinguish between leaves. To recognize .identify and draw figures of leaf modifications. To recognize flowers of various shapes. To explain the structure and function of each whorl of flower. To list the agents of cross pollination. To learn the process of seed germination.	Identify the different types of root and shoot modifications of plants in the school campus. Observe plants in the surrounding and collect leaves. Identify the venation of various leaves. Observe a flower and study the parts. Collect and identify the flowers with different types of inflorescence. Process of fertilization is explained with the help of a hibiscus flower. Draw pictures of various fruits. Classify fruits as dry and fleshy. Do germination experiments and write its changes. To demonstrate experiment of photosynthesis. Practice vegetation using modified parts of stem, root and leaf.

July - August	<b>UNIT 2. The cell.</b>	To identify the difference in unicellular and multicellular organisms. To distinguish and draw diagrams of plant cell and animal cell. To recognize the various cell organelles.	Visiting the lab and observing slides of protists, plants and animal cells. Videos and PPT on the cell and cell organelles. Making a model on plant or animal cell using recyclable materials. Discuss the importance of microscope in human life.
August-September.	<b>UNIT 3.The human body.</b>	To understand the parts of the digestive system and their functions. To list the parts and functions of the respiratory system. To distinguish between respiration and breathing To understand the effect of air pollution in the respiratory system. To explain the main parts of the circulatory system. To list the components of blood and types of blood vessels. To emphasize the importance of blood banks.	The digestive system is explained with the help of a chart. Videos of the various systems. Measuring their friends pulse. Activities on deep breathing. Discussing the various diseases related to respiration. Draw a picture on the effects of air pollution in human respiratory system. Prepare a working model on lungs, heart or digestive system. Role play on the physiology of organ systems. Make a poster on the importance of blood donation.

**Session Two: November 2018 to March 2019**

	<b>Topic</b>	<b>Specific learning objectives</b>	<b>Activities</b>
October - November.	<b>Unit 4.Health and Hygiene</b>	To explain the terms health, hygiene and disease. To understand the types of diseases based on their modes of transmission. To learn the importance of proper garbage disposal. To have an awareness on healthy practices. To understand the different types of non communicable diseases and the treatment methods.	Make a table on diseases. Make a chart on personal hygiene. Brain storming on different methods of garbage disposal in public places. PPT on deficiency disease. Project on personal and household practices for hygiene. Conduct a survey on different types of diseases in your neighbourhood.
December - February	<b>Unit 5.Habitats and Adaptations.</b>	Te be able to define adaptation and habitat. To recall the names of plants and animals and their adaptations from previous knowledge. To identify animals and plants from various habitats.	Discussing the concept of habitat and adaptation. Study and compare the external features of water plants. Drawing pictures of various animals and plants.

*Facilitators: Mrs. Neethu Rani Joseph*

*Name of the text book: Connect with Science ,Grade 6-Sangeetha Sinha*

**Approved by the Principal**