

YEAR PLAN 2018 – 2019
Grade III ENVIRONMENTAL SCIENCE

Name of the text book – Active Science
 Publisher Pearson India Education Services P. LTD
 The academic year is divided into two sessions
 Session I: June 2018 to October 2018
 Session II : November 2018 to March 2019
 Summative Assessment I: October 2018
 Summative Assessment II: March 2019

General Objectives:

To learn about the environment by developing awareness on the natural, social and cultural aspects of environment in a holistic manner through various activities, scientific skills and values.

Develop sensitivity towards elderly, differently abled and disadvantaged groups of society.

I Session - June to October

Project: 1. Prepare a report on the State bird.

2. Make a nest /bird feeder using recycled materials.

II Session – November to March

Project: Make a booklet on any three social insects of use to mankind.

Session I: June 2018 to October 2018

Duration	Topic	Specific Learning Objectives	Activities	Suggested Learning Resources	Life Skills
June	Parts of a Plant	<ul style="list-style-type: none"> ➤ To identify the different parts of a plant and label them. ➤ To explain the functions of each part of a plant ➤ To identify the kind of roots seen in plants. 	<ul style="list-style-type: none"> • Circle time • Nature walk • Observing parts of a plant and drawing. • Collect seeds of different colours and sizes. • Experiment to demonstrate germination. • Draw pictures and label each type of root system. • TB, Page-18, Eco club 	<ul style="list-style-type: none"> • Different types of plants and seeds. • Pictures/drawings and charts. • Setting up experiments on seed germination. • Worksheets 	Develop sensitivity towards plants and environment.
July	Birds	<ul style="list-style-type: none"> ➤ To recognize and name the common birds seen in the surroundings. ➤ To develop an understanding of the specific features of birds, body parts, food habits and habitats. ➤ To identify nest of interesting birds. 	<ul style="list-style-type: none"> • Nature walk - Observe the birds in your backyard and identify them. • Collect amazing facts on birds. • Discussion on how and why birds fly. • Make a model of nest using recycled materials. 	<ul style="list-style-type: none"> • Scrap book-pictures of various birds. • e-material on bird's life • Encyclopaedias • Worksheets • Multimedia 	Develop care and compassion/empathy towards birds/animals and their environment.
August	Light, Sound and Force	<ul style="list-style-type: none"> To identify the various sources and uses of light in the environment. To differentiate between luminous and non-luminous objects To explain the process of shadow formation. To identify objects that produce pleasant and unpleasant sound. To identify various kinds of force seen in day to day life. 	<ul style="list-style-type: none"> • Circle Time • Demonstrating luminous and non-luminous objects. • Observe the change in length of shadow during different times of the day. • To make different shapes with clay or dough to learn the role of force. • Make your own musical instrument using recycled materials. 	<ul style="list-style-type: none"> • Pictures/ live examples of sources of light. • Internet 	Appreciate (a) the use of the natural source of light in our day to day life (b) importance of sound as a warning signal to save life. Awareness regarding the negative effect of noise on health.
August	Air and Water	<ul style="list-style-type: none"> ➤ To understand that all living things 	<ul style="list-style-type: none"> • Circle Time 	<ul style="list-style-type: none"> • Drawings – different forms of 	Concern for the environment –

		<p>need air to live.</p> <ul style="list-style-type: none"> ➤ To identify different forms of water. ➤ To understand the process of water cycle in nature. ➤ To suggest ways to conserve water 	<ul style="list-style-type: none"> • Observation of the change of form of water-experiment. • Make ice sticks-home assignment. • TB, P-73, Eco club 	<p>matter.</p> <ul style="list-style-type: none"> • Class Edge • Worksheets 	Water is the essence of life.
September	Revision				
October	Summative Assessment I				
Session II: November 2018 to March 2019					
October - November	Human Body	<ul style="list-style-type: none"> ➤ To identify and locate various internal organs of the human body. ➤ To draw and label pictures of major organ systems. ➤ To discuss the need for breathing process for human beings. ➤ To discuss the causes and problems of air pollution. 	<ul style="list-style-type: none"> • Circle Time • Anatomy chart – to observe • Multimedia • Draw diagrams of organ systems and label. • Make models of organ systems. • Demonstrating the process of inhalation and exhalation in class. 	<ul style="list-style-type: none"> • Charts/pictures of various internal organs of human body. • The Magic School Bus (video) • Mindful breathing exercises. • Worksheets 	Inculcate healthy habits for healthy living.
November-December	Heavenly Bodies	<p>To understand more about the solar system.</p> <p>To identify the different phases of moon.</p> <p>To identify the different heavenly bodies seen during the day and at night.</p> <p>To distinguish between different heavenly bodies based on some observable features.</p>	<ul style="list-style-type: none"> • Circle Time • Draw the picture of the heavenly bodies. • Observation of the sky during the daytime and at night. • TB, P-96, Quest Zone. • Make a model of the solar system. 	<ul style="list-style-type: none"> • Charts/pictures of various heavenly bodies. • Pictures of planets. • Space Encyclopedias • Medias. 	Arouse curiosity on heavenly bodies.
January	Earth	<ul style="list-style-type: none"> ➤ To differentiate between the movements of the Earth. ➤ To infer why day/night are formed. ➤ To know how seasons are caused. 	<ul style="list-style-type: none"> • Circle Time • Role play on rotation and revolution. • Conducting experiments to demonstrate the formation of day and night. • Identifying your zodiac sign. 	<ul style="list-style-type: none"> • Charts/pictures of the movements of Earth. • Multimedia • Encyclopedias 	Arouse curiosity on our home planet-Earth.
January-February	Insects	<ul style="list-style-type: none"> ➤ To name some common insects seen in the surroundings. ➤ To identify some insects seen at home. ➤ To discuss some social insects which are useful for human beings. 	<ul style="list-style-type: none"> • Circle Time • Collecting interesting facts on insects and pictures. 	<ul style="list-style-type: none"> • Scrap book on insects. • E-material • Multimedia. 	Importance of good hygienic practices in our day to day life to avoid the breeding of harmful insects. Breeding of insects for the benefit of mankind.
February	Weather	<ul style="list-style-type: none"> ➤ To understand the role of sun in causing changes in weather. ➤ To differentiate between weather and season. ➤ To identify the different seasons and the changes experienced in each. 	<ul style="list-style-type: none"> • Circle Time • Collecting weather reports. • TB, P-82, Eco club. • Charts related to different seasons. 	<ul style="list-style-type: none"> • Drawings related different seasons. • Class Edge • Worksheets 	Concern for the environment.
February	Revision				
March	Summative Assessment II				

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