

MONTHLY SYLLABUS
SESSION-2017-18
CLASS-VI
SUBJECT : SCIENCE (PRATIBHA)

MONTHS	LESSON	DETAILS	ACTIVITIES
April 2017	Lesson-2 Components of food	Sources and functions of protein, carbohydrates, fats, vitamins and minerals. Test for the presence of protein, fat and starch. Balanced diet and diseases.	<ol style="list-style-type: none"> 1. To identify food items rich in protein, fats and carbohydrates. 2. To test the presence of starch, fats or protein in the given food item. 3. To study the diseases caused due to the deficiency of various vitamins or minerals.
May 2017	Lesson-3 Fibre to Fabric	Different types of fibres : Natural and synthetic fibres, plant and animal fibres, yarn to fabric spinning of cotton yarn, knitting, history of clothing material.	<ol style="list-style-type: none"> 1. To collect different pieces of cloth from a tailor's shop and group them as cotton, silk, woolen and synthetic. 2. To make a thread from cotton ball.

			3. To demonstrate the weaving of cloth using coloured paper strips.
July 2017	Lesson-5 Separation of substances	Methods of separation handpicking, threshing, winnowing, sieving, sedimentation, decantation, filtration, evaporation, saturated and unsaturated solutions.	<ol style="list-style-type: none"> 1. To handpick different items from a given mixture. 2. To prepare saturated solution of common salt. 3. To demonstrate the process of sedimentation, decantation and filtration.
	Lesson-7 Getting to know plants	Herbs, shrubs and trees, Function of Leaf, stem and root. Different types of roots, Different types of venation in leaves parts of a flower and their function	<ol style="list-style-type: none"> 1. To identify herbs shrubs and trees from your school garden. 2. To study the venation in leaves of different plants.

August 2017	Lesson-14 Water	Sources of water, water cycle, conservation of water, causes of draught and flood Rain water harvesting.	<ol style="list-style-type: none"> 1. To make a chart on water cycle. 2. To discuss the strategies of water conservation by making groups of students. 3. To make a model chart/project on rain water harvesting.
REVISION – AUGUST TO SEPTEMBER			
TERM II (PRATIBHA)			
October 2017	Lesson-8 Body movement	Human body and its movements, type of joints, in our body, human skeleton, body movement in different animals like earthworms, snail, fish, cockroach, birds and snake.	<ol style="list-style-type: none"> 1. To study the human skeleton. 2. First of all the joints after studying them in human skeleton. 3. To study the motion of animals around us e.g earthworm

November 2017	Lesson-9 Living organisms and their surroundings	Habitat and Adaptations Biotic and Abiotic components, Journey through various habitat like desert, mountains, grass lands and few water habitats Adaptation of plants & animals Living in these habitat Characteristics of living beings.	<ol style="list-style-type: none"> 1. Germination of seed 2. To know about plants and animals found in different surroundings like forests, desert, sea. 3. To study different animals of water and land e.g. animals living in forest, desert and ocean. 4. Response of plants towards light.
	Lesson-11 Light Shadows and Reflection	Transparent, opaque and translucent objects shadow, pinhole camera mirror and reflection.	<ol style="list-style-type: none"> 1. To study transport, opaque and translucent objects with examples. 2. To make a model of pin hole camera. 3. To observe the shadows made by hands. 4. To demonstrate that light travels in straight line

December 2017	Lesson-12 Electricity and circuit	Conductors and Insulators of electricity, electric cell, electric switch. To identify conductors and insulators using electric circuit.	<ol style="list-style-type: none"> 1. To study open and closed circuit. 2. To identify conductors and insulators from daily life with the help of an electric circuit.
	Lesson – 13 Fun with Magnets	Magnetic and non-magnetic materials, properties of magnet. To find N-S direction. Attraction and repulsion between magnets.	<ol style="list-style-type: none"> 1. To study the properties of magnet. 2. To differentiate between magnetic and non magnetic substances.
January 2018	Lesson-15 Air Around us	Is air Present around us? What is air composed of? Oxygen is necessary for burning and breathing Balance between oxygen and CO ₂ in nature.	<ol style="list-style-type: none"> 1. To prepare different types of Firkis. 2. To show that O² is present in air and helps in burning.
	Lesson-3 Fibre to Fabric	Different types of fibres : Natural and synthetic fibres, plant and animal fibres, yarn to fabric spinning of cotton yarn, knitting, history of clothing material.	<ol style="list-style-type: none"> 4. To collect different pieces of cloth from a tailor's shop and group them as cotton, sick, wollen and synthetic. 5. To make a thread from cotton ball. 6. To demonstrate the weaving of

			cloth using coloured paper strips.
REVISION- FEBRUARY 2018			
CLASS-VI (NISTHA)			
April to May 2017	Lesson-2 Components of food	Sources and functions of protein, carbohydrates fats, vitamins and minerals. Test for the presence of protein, starch and fat, Balanced diet, deficiency diseases.	<ol style="list-style-type: none"> 1. To identify food items rich in protein, fats and carbohydrates. 2. To test the presence of starch, fats or protein in the given food item. 3. To study the diseases caused due to the deficiency of various vitamins or minerals.
July 2017	Lesson-5 Separation of Substances	Methods of separation: Handpicking, threshing, winnowing, sieving, sedimentation, decantation, filtration, evaporation. Saturated and unsaturated solutions.	<ol style="list-style-type: none"> 1. To handpick different items from a given mixture. 2. To prepare saturated solution of common salt. 3. To demonstrate the process of sedimentation, decantation and filtration.

August 2017	Lesson-7 Getting to know plants.	Herbs, shrubs and trees. Function of leaf, stem and root. Different types of roots, Different types of venation in leaves parts of a flower and their function.	<ol style="list-style-type: none"> 1. To identify herbs, shrubs and trees from your school garden. 2. To study the venation in leaves of different plants. 3. To study the roots of different wild plants like grass. 4. To study the various parts of a leaf.
	Lesson-14 Water	Sources of water, water cycle, conservation of water, causes of draught and flood Rain water harvesting	<ol style="list-style-type: none"> 1. To make a chart on water cycle. 2. To discuss the strategies of water conservation by making groups of students. 3. To make a model/ chart/ project on rain water harvesing
REVISION – SEPTEMBER 2017			

TERM II (NISTHA)			
October	Lesson-9	Habitat and Adaptation, Biotic and Abiotic components,	1. Germination of seed.

2017	Living Organisms and their surroundings	Journey through various habitat like desert, mountains, grasslands and few water habitats Adaptation of plants and animals living in these habitat characteristics of living beings.	<ol style="list-style-type: none"> 2. To know about plants and animals found in different surroundings like forest, desert sea. 3. To study different animals of water and land e.g. animals desert and ocean. 4. Response of plants towards light.
November 2017	Lesson-12 Electricity and circuit	Conductors and Insulators of electricity, electric cell, electric switch. To identify conductors and insulators using electric circuit.	<ol style="list-style-type: none"> 1. To study open and closed circuit. 2. To identify conductors and insulators from daily life with the help of an electric circuit.
December 2017	Lesson-13 Fun with Magnets	Magnetic and non-magnetic materials, properties of magnet. To find N-S direction. Attraction and repulsion between magnets.	<ol style="list-style-type: none"> 1. To study the properties of magnet. 2. To differentiate between magnetic and non-magnetic substances. 3. To find direction using a freely suspended magnet.

January 2018	Lesson-15 Air Around Us	Is air present around us? What is air composed of? Oxygen is necessary for burning and breathing. Balance Between Oxygen and CO ₂ in nature	<ol style="list-style-type: none"> 1. To prepare different types of Firkis. 2. To show that O₂ is present in air and helps in burning.
	Lesson-7 Getting to know plants.	Herbs, shrubs and trees. Function of leaf, stem and root. Different types of roots, Different types of venation in leaves parts of a flower and their function.	<ol style="list-style-type: none"> 3. To identify herbs, shrubs and trees from your school garden. 4. To study the venation in leaves of different plants. 5. To study the roots of different wild plants like grass. 6. To study the various parts of a leaf.
TERM I (NON READERS)			
April-May 2017	Lesson-2 Components of food	Sources and functions of protein, carbohydrates fats, vitamins and minerals. Test for the presence of protein, starch and fat, Balanced diet, deficiency diseases.	<ol style="list-style-type: none"> 1. To identify food items rich in protein, fats and carbohydrates. 2. To test the presence of starch, fats or protein in the given food item. 3. To study the diseases caused due

			to the deficiency of various vitamins or minerals.
July 2017	Lesson-7 Getting to Know Plants	Herbs, shrubs and trees. Function of leaf, stem and root. Different types of roots, Different types of venation in leaves parts of a flower and their function.	<ol style="list-style-type: none"> 1. To identify herbs, shrubs and trees from your school garden 2. To study the venation in leaves of different plants. 3. To study the roots of different wild plants like grass. 4. To study the various parts of a leaf.
August 2017	Lesson-14 Water	Herbs, shrubs and trees. Function of leaf, stem and root. Different types of roots, Different types of venation in leaves parts of a flower and their function.	<ol style="list-style-type: none"> 5. To identify herbs, shrubs and trees from your school garden 6. To study the venation in leaves of different plants. 7. To study the roots of different wild plants like grass. 8. To study the various parts of a leaf.

REVISION (SEPTEMBER 2017)

TERM I (NEO READER)

October 2017	Lesson-9 Living Organisms and their surroundings	Habitat and Adaptation, Biotic and Abiotic components, Journey through various habitat like desert, mountains, grasslands and few water habitats Adaptation of plants and animals living in these habitat characteristics of living beings.	<ol style="list-style-type: none">1. Germination of seed.2. To know about plants and animals found in different surroundings like forest, desert sea.3. To study different animals of water and land e.g. animals desert and ocean.4. Response of plants towards light.
November 2017	Lesson-13 Fun with Magnets	Magnetic and non-magnetic materials, properties of magnet. To find N-S direction. Attraction and repulsion between magnets.	<ol style="list-style-type: none">1. To study the properties of magnet.2. To differentiate between magnetic and non-magnetic substances.3. To find direction using a freely suspended magnet.

December 2017	Lesson-15 Air Around us	Is air Present around us? What is air composed of? Oxygen is necessary for burning and breathing. Balance Between Oxygen and CO ₂ in nature	<ol style="list-style-type: none"> 1. To prepare different types of Firkis. 2. To show that O² is present in air and helps in burning.
January 2018	Lesson-7 Getting to Know Plants	Herbs, shrubs and trees. Function of leaf, stem and root. Different types of roots, Different types of venation in leaves parts of a flower and their function.	<ol style="list-style-type: none"> 3. To identify herbs, shrubs and trees from your school garden 4. To study the venation in leaves of different plants. 5. To study the roots of different wild plants like grass. 6. To study the various parts of a leaf.
REVISION (JANUARY-FEBURARY)			