

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

MONTHS	LESSON	DETAILS	ACTIVITIES
April 2017	Ch-3 Fibre to Fabric	Animal Fibres- Wool and Silk - Wool - Silk	1. Draw/paste pictures of animals whose hair is used as wool. 2. Draw/paste stages of the life history of silk moth.
May 2017	Ch-6 Physical and Chemical changes	- Physical changes - Chemical changes - Rusting of Iron - Crystallisation	1. Activities of physical changes 2. Activities of chemical changes
July 2017	Ch-1 Nutrition in Plants	• Mode of Nutrition in plants. • Photosynthesis food making process in plants.	1. To show light is essential for photo synthesis. 2. Collect leaves of different

		<ul style="list-style-type: none"> • Other modes of nutrition in plants • Saprotrophs 	<p>colours.</p> <p>3. Growing fungi on a bread.</p>
	Ch-2 Nutrition in Animals	<ul style="list-style-type: none"> • Digestion in humans • Digestion in Grass eating animals. • Feeding and digestion in Amoeba. 	<ol style="list-style-type: none"> 1. To know effect of saliva on starch. 2. To study Fig. 2.2, 2.3, Fig. 2.9 and Fig. 2.10 with the help of a suitable learning aid and draw a labelled diagram.
August 2017	Ch-4 Heat	<ul style="list-style-type: none"> - Hot and Cold - Measurement of temperature - Laboratory thermometer - Transfer of heat - Kinds of clothes We wear in summer and winter 	<ol style="list-style-type: none"> 1. Reading a clinical and laboratory thermometer. 2. To demonstrate transfer of heat.
	Ch- 13 Motion and Time	<ul style="list-style-type: none"> - Slow or fast speed - Measurement of time - Measuring speed 	<ol style="list-style-type: none"> 1. To determine the time period of a simple pendulum. 2. To prepare distance time graph.

		- Distance time Graph	
September 2017	Revision	Revision	Revision
October 2017	Ch- 5 Acids, Bases and Salts	<ul style="list-style-type: none"> - Acids and Bases - Natural Indicators around us - Neutralisation - Neutralisation in everyday life 	<ol style="list-style-type: none"> 1. Effect of indicators on an acidic and a basic solution. 2. To study neutralization reaction. 3. To prepare a card with Turmeric paste and soap solution.
	Ch-10 Respiration in Organism	<ul style="list-style-type: none"> - Why do we respire - Breathing <ul style="list-style-type: none"> • How do we breath • What do we breath out? • Breathing in other animals • Breathing under water • Do plants also respire. 	<ol style="list-style-type: none"> 1. To study mechanism of breathing 2. Effect of exhaled air on lime water. 3.

November 2017	Ch-11 Transportation in Animals and Plants	<ul style="list-style-type: none"> - Circulatory system - Excretion in animals - Transport of substances in plants. 	<ol style="list-style-type: none"> 1. with the help of suitable aids study and draw labelles diagram of (a) Fig 11.3 (b) Fig. 11.4 (c) Fig. 11.6 and Fig 11.7 2. Prepare Model of stethoscope.
	Ch-12 Reproduction in Plants	<ul style="list-style-type: none"> - Mode of reproduction - Sexual Reproduction - Fruits and seed formation seed dispersal 	<ol style="list-style-type: none"> 1. To grow and donate one plant, produced by vegetative propagation. 2. To identify reproductive parts of a flower. 3. Make a collection of winged, hairy and spiny seeds.
December 2017	Ch-14 Electric current and Its effects	<ul style="list-style-type: none"> - Symbols of electric components - Heating effects of electric current - Magnetic effect of electric current 	<ol style="list-style-type: none"> 1. To make a simple electric circuit and draw its diagram. 2. To demonstrate <ul style="list-style-type: none"> • heating effect of electric current.

		- Electromagnet	• Magnetic effect of electric current
January 2018	Ch-15 Light	<ul style="list-style-type: none"> - Light travels along a straight line - Reflection of light. - Right or left playing with spherical mirrors. - Sunlight white or coloured ? 	<ol style="list-style-type: none"> 1. To identify and distinguish between plane mirror, concave mirror, convex mirror concave lens and convex lens. 2. To show sunlight is a mixture of different colours.
	Ch- 13 Motion and Time	<ul style="list-style-type: none"> - Slow or fast speed - Measurement of time - Measuring speed - Distance time Graph 	
February 2018	Revision	Revision	Revision

CLASS-VII

SUBJECT : SCIENCE (NISTHA)

MONTHS	LESSON	DETAILS	ACTIVITIES
April 2017	Ch-3 Fibre to Fabric	Animal Fibres- Wool and Silk - Wool - Silk	1. Draw/paste pictures of animals whose hair is used as wool. 2. Draw/paste stages of the life history of silk moth.
May-July 2017	Ch-1 Nutrition in Plants	<ul style="list-style-type: none">• Mode of Nutrition in plants.• Photosynthesis food making process in plants.• Other modes of nutrition in plants• Saprotrophs	1. To show light is essential for photo synthesis. 2. Collect leaves of different colours. 3. Growing fungi on a bread.
	Ch-2 Nutrition in Animals	<ul style="list-style-type: none">• Digestion in humans• Digestion in Grass eating animals.• Feeding and digestion in Amoeba.	1. To know effect of saliva on starch. 2. To study Fig. 2.2, 2.3, Fig. 2.9 and Fig. 2.10 with the help of a suitable learning aid and draw a labelled diagram.

August 2017	Ch-4 Heat	<ul style="list-style-type: none"> - Hot and Cold - Measurement of temperature - Laboratory thermometer - Transfer of heat - Kinds of clothes We wear in summer and winter 	<ul style="list-style-type: none"> • Reading a clinical and laboratory thermometer. • To demonstrate transfer of heat.
	Ch- 13 Motion and Time	<ul style="list-style-type: none"> - Slow or fast speed - Measurement of time - Measuring speed - Distance time Graph 	<ol style="list-style-type: none"> 1. To determine the time period of a simple pendulum. 2. To prepare distance time graph.
September 2017	Revision and Exams		

October 2017	Ch- 5 Acids, Bases and Salts	<ul style="list-style-type: none"> - Acids and Bases - Natural Indicators around us - Neutralisation - Neutralisation in everyday life 	<ol style="list-style-type: none"> 1. Effect of indicators on an acidic and a basic solution. 2. To study neutralization reaction. 3. To prepare a card with Turmeric paste and soap solution.
November 2017	Ch-10 Respiration in Organism	<ul style="list-style-type: none"> - Why do we respire - Breathing <ul style="list-style-type: none"> • How do we breath • What do we breath out? • Breathing in other animals • Breathing under water • Do plants also respire. 	<ol style="list-style-type: none"> 1. To study mechanism of breathing 2. Effect of exhaled air on lime water.
	Ch-12 Reproduction in Plants	<ul style="list-style-type: none"> - Mode of reproduction - Sexual Reproduction 	<ol style="list-style-type: none"> 1. To grow and donate one plant, produced by vegetative propagation.

		<ul style="list-style-type: none"> - Fruits and seed formation seed dispersal 	<ol style="list-style-type: none"> 2. To identify reproductive parts of a flower. 3. Make a collection of winged, hairy and spiny seeds.
December 2017	Ch-14 Electric current and Its effects	<ul style="list-style-type: none"> - Symbols of electric components - Heating effects of electric current - Magnetic effect of electric current - Electromagnet 	<ol style="list-style-type: none"> 1. To make a simple electric circuit and draw its diagram. 2. To demonstrate <ul style="list-style-type: none"> • Heating effect of electric current. • Magnetic effect of electric current
January 2018	Ch-15 Light	<ul style="list-style-type: none"> - Light travels along a straight line - Reflection of light. - Right or left playing with spherical mirrors. - Sunlight white or coloured ? 	<ol style="list-style-type: none"> 1. To identify and distinguish between plane mirror, concave mirror, convex mirror concave lens and convex lens. 2. To show sunlight is a mixture of different colours.

	Ch- 13 Motion and Time	<ul style="list-style-type: none"> - Slow or fast speed - Measurement of time - Measuring speed - Distance time Graph 	<ol style="list-style-type: none"> 1. To determine the time period of a simple pendulum. 2. To prepare distance time graph.
	Ch- 13 Motion and Time	<ul style="list-style-type: none"> - Slow or fast speed - Measurement of time - Measuring speed - Distance time Graph 	<ol style="list-style-type: none"> 1. To determine the time period of a simple pendulum. 2. To prepare distance time graph.
February 2018	Revision	Revision	Revision

CLASS-VII

SUBJECT : SCIENCE (NISTHA (NEO-READER))

MONTHS	LESSON	DETAILS	ACTIVITIES
April-May 2017	Ch-3 Fibre to Fabric	Animal Fibres-	<ol style="list-style-type: none"> 1. Draw/paste pictures of animals whose hair is used as

		Wool and Silk - Wool - Silk	wool. 2. Draw/paste stages of the life history of silk moth.
July 2017	Ch-1 Nutrition in Plants	<ul style="list-style-type: none"> • Mode of Nutrition in plants. • Photosynthesis food making process in plants. • Other modes of nutrition in plants • Saprotrophs 	<ol style="list-style-type: none"> 1. To show light is essential for photo synthesis. 2. Collect leaves of different colours. 3. Growing fungi on a bread.
August 2017	Ch-2 Nutrition in Animals	<ul style="list-style-type: none"> • Digestion in humans • Digestion in Grass eating animals. • Feeding and digestion in Amoeba. 	<ol style="list-style-type: none"> 1. To know effect of saliva on starch. 2. To study Fig. 2.2, 2.3, Fig. 2.9 and Fig. 2.10 with the help of a suitable learning aid and draw a labelled diagram.
September 2017	Revision and Exams		

October 2017	Ch- 5 Acids, Bases and Salts	<ul style="list-style-type: none"> - Acids and Bases - Natural Indicators around us - Neutralisation - Neutralisation in everyday life 	<ol style="list-style-type: none"> 1. Effect of indicators on an acidic and a basic solution. 2. To study neutralization reaction. 3. To prepare a card with Turmeric paste and soap solution.
November 2017	Ch-10 Respiration in Organism	<ul style="list-style-type: none"> - Why do we respire - Breathing <ul style="list-style-type: none"> • How do we breath • What do we breath out? • Breathing in other animals • Breathing under water • Do plants also respire. 	<ol style="list-style-type: none"> 1. To study mechanism of breathing 2. Effect of exhaled air on lime water.
	Ch-12 Reproduction in Plants	<ul style="list-style-type: none"> - Mode of reproduction - Sexual Reproduction - Fruits and seed formation 	<ol style="list-style-type: none"> 1. To grow and donate one plant, produced by vegetative propagation. 2. To identify reproductive

		seed dispersal	parts of a flower. 3. Make a collection of winged, hairy and spiny seeds.
December 2017	Ch-14 Electric current and Its effects	<ul style="list-style-type: none"> - Symbols of electric components - Heating effects of electric current - Magnetic effect of electric current - Electromagnet 	<ol style="list-style-type: none"> 1. To make a simple electric circuit and draw its diagram. 2. To demonstrate <ol style="list-style-type: none"> a. Heating effect of electric current. b. Magnetic effect of electric current
January 2018	Ch-15 Light	<ul style="list-style-type: none"> - Light travels along a straight line - Reflection of light. - Right or left playing with spherical mirrors. - Sunlight white or coloured ? 	<ol style="list-style-type: none"> 3. To identify and distinguish between plane mirror, concave mirror, convex mirror concave lens and convex lens. 4. To show sunlight is a mixture of different colours.
	Ch-3 Fibre to Fabric	Animal Fibres-	3. Draw/paste pictures of animals whose hair is used as

		Wool and Silk - Wool - Silk	wool. 4. Draw/paste stages of the life history of silk moth.
February 2018	Annual Exams		