

DAV CENTENARY PUBLIC SCHOOL, PASCHIN ENCLAVE, NEW DELHI-87

ACADEMIC PLAN (SESSION 2015-16)

CLASS IV

SUBJECT General Science

TERM _____

Asses sment / month	Content Topic/Subtopic	Learning outcome/obje ctive	HW/ Assign ment (No.)	Activities	Life skills
April (19)	<p><u>L-2 Plants</u></p> <ul style="list-style-type: none"> • Root (define) • Types of roots • Functions of the root • Special functions of the root 	<ul style="list-style-type: none"> • Recall parts of a plant parts & their functions • Acquire the detailed knowledge about the types of roots • Understand the various functions of the root of a plant. 	H.W. -2 Assign.-1	<ul style="list-style-type: none"> ➤ Collection & identification of tap roots & fibrous roots ➤ Seed Germination 	<ul style="list-style-type: none"> • Decision making • Critical thinking • Rational thinking • Arouse curiosity towards nature
May (10)	<p><u>L-4 Around Us</u></p> <ul style="list-style-type: none"> • Terrestrial plants • Aquatic plants • Cultivation of plants 	<ul style="list-style-type: none"> • To infer that plants differ in shape as per the habitat. • To acquire the knowledge about the cultivation of plants, there by defining the terms . • Cultivated plants, weeds & ploughing. 	HW- 3 Assign.-1	<ul style="list-style-type: none"> ➤ <u>Group Activity</u> (the students will be divided into two groups and they will categorize the pictures of plants and trees which they have already collected from magazines etc. into terrestrial plants and aquatic plant. Keeping in mind their features.) 	<ul style="list-style-type: none"> • Effective communication • Interpersonal relationship skills • Critical Thinking • Decision making

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July (22)	<p><u>L-1 My body</u></p> <ul style="list-style-type: none"> • Digestive system • Teeth • Care of teeth • Tongue • Stomach • Small Intestine • Large Intestine • Importance of eating fresh, clean food. <p><u>L- 9 Safe handling & storage of water</u></p>	<ul style="list-style-type: none"> • To acquire the knowledge of different types of teeth. • To analyze the function of various organs present in digestive system of our body. • To enable the students to explain the process of digestion • To make the students aware with the term “potable water” • Understand the importance of 	<p>H.W.-3 Assign.-1</p> <p>H.W. -2 Assign.-1</p>	<ul style="list-style-type: none"> • Wheat dough model of teeth Taken impression of their own teeth with dough. • Role Play-Parts of digestive system (Depicting different parts of digestive system (group activity)) • “Glass in the class” (Method of filtration) • Situation based activity- (Some situations will be given to the students & they will decide the method of purification of water) • Survey- The 	<ul style="list-style-type: none"> • Self awareness • Decision making • Develop personal Hygiene and adopt healthy habits • Decision making • Self awareness • Problem solving ability.

		<p>clean water.</p> <ul style="list-style-type: none">• Find out the method of purification of water• Acquire the knowledge of safe handling & storage of water		<p>students will carry out a survey in five houses to make the following observations- source of water, storage of water, method of purification, handling of water. From the observation, the students will draw conclusion i.e whose house did they find the best and why?</p>	
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August (21)	<u>L-10 Water Pollution</u> <ul style="list-style-type: none"> • Causes of water pollution • Harmful effects of water pollution • Prevention water pollution 	<ul style="list-style-type: none"> • To understand the process by which water becomes impure. • Generalize the causes and effects of water pollution • Find out the ways of preventing water pollution 	H.W.-1 Assign.- 1	<u>“Poster Making”</u> (ways to prevent water pollution) <u>Experimentation</u> To purify water through- <ul style="list-style-type: none"> • filtration 	<ul style="list-style-type: none"> • decision making • critical making • problem solving ability

Assessment / month	Content Topic/Subtopic	Learning outcome/objective	HW/ Assignment (No.)	Activities	Life skills
September (7)	• <u>REVISION</u>	SA1			
October (15)	<p><u>L-3 Flowers & Fruits</u></p> <ul style="list-style-type: none"> • Features of Flowers • Seasonal flowers • Uses of flowers • Seasonal fruits • Uses of fruits 	<ul style="list-style-type: none"> • To generalize that a flower develops from a bud. • Identify the various uses of flowers • To make them aware with the importance of flower and fruits. • Classify various seasonal fruits <p>Enable the students to identify the various parts of a flower</p>	H.W.-2 Assign.- 1	<ul style="list-style-type: none"> • Making Rangoli using petals & leaves. • Visit a florist shop and make a survey of flowers available in his shop 	<ul style="list-style-type: none"> • Creative thinking • Sensitisation towards nature • Awareness about the surroundings.

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November (16)	<u>L-6 Insects</u> <ul style="list-style-type: none"> • Features of Insects • Pollination • Useful insects • Harmful insects • Stinging insects • Saving ourselves from harmful insects. 	<ul style="list-style-type: none"> • To generalize the common features of an insect. • Classify insects as useful and harmful insects • Relate the knowledge of useful & harmful insects in daily life • To make the students aware with the term pollination, comb, cocoon, lac, and arachnids 	H.W.-2 assign.- 1	<u>Incredible Insects</u> <ul style="list-style-type: none"> • Honeybee comb(The students will draw six sided chambers called combs in their note-book) • Silk moth on a mulberry leaf(The students will collect one mulberry leaf and paste it in their note book. With the help of cotton and silk thread, they make a cocoon and paste on mulberry leaf) • Different lac products(The students will 	<ul style="list-style-type: none"> • creative thinking • effective communication • decision making

				<p>paste the pictures of lac products)</p> <ul style="list-style-type: none">• Spider in a web(With the help of thread , the students will make a web and paste the cut-out of a spider)	
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December (19)	<p><u>L-8 Food</u></p> <ul style="list-style-type: none"> • Importance of food • Classification of food • Sources and function of different types of food • Sources and functions of vitamins & minerals • Balanced diet 	<ul style="list-style-type: none"> • Recall various types of nutrients present in different food stuffs. • Categorize various food stuffs into energy giving ,body building & protective food. • Identify the sources & function of various types of vitamins & minerals. • Categorize the diseases as “Deficiency “ & “Communicable ” diseases • Understand the importance of Balanced Diet 	H.W.-2 Assign.-1	<ul style="list-style-type: none"> • Rapid- fire Quiz- (Situations will be given) Meal chart- (Students will be asked to prepare a meal chart for one day showing the combination of different nutrients in their diet. Also, they will categorize food items into building food, energy giving food & protective food. Collage- (The students will be divided into 3 groups. Each group will be allotted to collect pictures of food items related to it to make a collage.) 	<ul style="list-style-type: none"> • Decision making • Critical thinking • Self awareness

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January (12)	<p><u>L-5 Birds-Beaks and Claws</u></p> <ul style="list-style-type: none"> • Features • Types of beak • Feet & claws 	<ul style="list-style-type: none"> • To generalize the common features of birds. • Classify birds according to various types of beaks & claws • Acquire the knowledge of feeding habits of birds. 	H.w. -3 Assign.- 1	<p><u>Role Play –</u></p> <ul style="list-style-type: none"> • To depict beaks and claws of different birds • Collection of down feathers and Flight features of various birds 	<ul style="list-style-type: none"> • Creative thinking • Analytical reasoning • Develop curiosity in nature
February (10)	<p><u>L-8 water scarcity and conservation of water</u></p> <ul style="list-style-type: none"> • Earth – a blue planet • Factors causing shortage of water 	<ul style="list-style-type: none"> • Infer factors causing shortage of water • Understand the need of conserving water 	H.W.-2 Assign.- 1	<ul style="list-style-type: none"> ➤ Poster cum slogan making competition- “Conserve water” ➤ Model making- “Rain Water Harvesting” 	<ul style="list-style-type: none"> • Decision making • Problem solving • Sensitivity towards water conservation

	<ul style="list-style-type: none">• Need for conserving water• Ways of conserving water• Rain water harvesting	<ul style="list-style-type: none">• Acquire the detailed knowledge of ways of conserving water			
March	<ul style="list-style-type: none">• <u>REVISION SA2</u>				

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YEARLY PLANNER (SESSION 2015-16)

SYLLABUS AT A GLANCE

CLASS-IV

SUBJECT: GENERAL SCIENCE

FORMATIVE ASSESSMENT	MONTH/S	CONTENT
I	APRIL – MAY	L-2 PLANTS L-4 PLANTS AROUND US
II	JULY-AUGUST	L-1 MY BODY L-9 SAFE HANDLING AND STORAGE OF WATER L- 10 WATER POLLUTION
III	SEPTEMBER-DECEMBER	L-3 FLOWERS & FRUITS L-6 INSECTS L-7 FOOD
IV	JANUARY- MARCH	L-5 BIRDS- BEAKS & CLAWS L-8 WATER SCARCITY & CONSERVATION

