

SPLIT UP OF SYLLABUS 2008-09
ENVIRONMENTAL STUDIES
TEXT BOOK — LOOKING AROUND FOR CLASS IV

Month	Unit or Lesson	Competency	Expected Learning Outcome	Suggested Activities	Integrated Learning	Values
April / May	1. Going to School	Observation	Observes different ways used by children to reach in different parts of the country.	A Power Point Presentation to be shown. Stick pictures of means of transport used by them to come to school.	English Develops vocabulary General Knowledge	Uses of natural resources Awareness of different terrains and means of transport
		Identification	Identifies different bridges and modes of transport.	Stick pictures of vehicles seen by children in the road. Match means of transport used in different regions.		
		Discovering of facts	Understands the importance of bridges.	Draw different types of bridges. List the materials used to make different bridges.		
		Group Activity	To know facts about famous city bridges and use of pulley.	Name three famous bridges of Delhi after group discussion. Write use of pulley in our daily life.		
	2. Ear to Ear	Observation	Observes various characteristics of animals.	A visit to zoo. Observes the animals found in his/her surroundings.	English Hindi	Care of pet animals. Don't tease animals and birds.

		Identification	Identifies the different animals by their external features.	Picture chart of animals and birds. Paste pictures of pet animals. Match the animals with their young ones.		Help each other in times of need.
		Discovering of facts	Learn about features of animals.	Discussion on various features eg. skin, hair of animals etc. Paste pictures of animals eg. An animal whose hair are used for wool, an animal whose body is covered with hard shell etc.		Importance of animals in our daily life.
		Group Activity	Develops creativity.	Make paper bird using coloured paper.		
	3. A Day with Nandu	Observation	Observes the animals and birds that live in groups.	A C. D 'Gajraj' (on elephants) can be shown. Stories based on animals and birds.	English Stories	Be kind towards animals.
		Identification	Identifies the advantages and disadvantages of group.	Encircle the animals that you have seen in groups. Zigsaw puzzle of animals. List the activities done by you in the group.		Fight against cruelty towards animals.
		Discovering of facts	Understands the need of living in the group.	Discussion on the animals searching for food, protection etc.		

		Group Activity	Collects information on animals that live in groups.	Share your experience of animal riding. Make any animal by paper folding. Collect some rhymes or stories on animals.		
June / July	4. The story of Amrita	Observation Identification Discovering of facts	Observes the physical features of desert. Observes various plants and animals found there. Categorise plants and trees into fruit and flower bearing types. Identifies the plants found in desert. Knows the importance of trees. Disadvantages of ecological imbalance. Interdependence of	Map of India and location of Rajasthan and its neighbouring areas to be shown on O. H. P. A visit to the school garden to familiarise with various types of trees. List the fruit bearing and flower bearing plants and trees. Things we get from trees. Discussion on Chipko Movement. Newspaper clippings on animal hunting. Discussion on animal and bird hunting.	AHPL Presentation of ecological balance.	Grow more trees. Preservation of wild life. Prevent deforestation.

		Group Activity	living things in the environment.	Make the model of cactus plant using thermocoal and matchstick. Select a tree from the school garden, draw its picture and write its usefulness.		
5. Anita and Honey-bees	Observation	Observes the state of Bihar on the map of India. Observes girl children in neighbourhood. Different type of occupations.	Identifies household works one by boys and girls.	Observe and locate state of Bihar on the roller map. List out girl children not going to school in the neighbourhood. Picture chart showing different occupations. List five household jobs girls do. List five household jobs boys do. Story telling / dramatisation. Visit school garden to know how ants move in a line, their colour & size, food eaten by them and work done by them.	General awareness about honey production.	Luck favours the brain.
	Identification	Identifies household works one by boys and girls.			Maths Counting	
	Discovering of facts	Knows making of honeybees hives and work done by various honeybees. Knows about ant groups.				
	Group Activity	Develops team spirit.				
6.	Observation	Observes Gujarat		Map drawn on transparency sheet		

	Omana's journey	<p>Identification</p> <p>Discovering of facts</p> <p>Group Activity</p>	<p>and Kerala on the map of India. Observes various things available at the platform.</p> <p>Identifies the people working at the railway station.</p> <p>Experience of children.</p> <p>Develops awareness about train journey.</p>	<p>will be shown on O. H. P. Visit to a railway station.</p> <p>List out the things that you carry for the train journey. Write the work done by people working at the railway station.</p> <p>Children to discuss their real life experiences of train journey and various do's and don'ts during train journey.</p> <p>Make model of train with the help of match boxes.</p>	General Knowledge	Learns skills of railway travel.
	7. From the window	<p>Observation</p> <p>Identification</p>	<p>Observes state of Goa on the map. Observes railway crossing and vehicles waiting there.</p> <p>Identifies different types of bridges, tunnel and level crossing.</p> <p>Identifies different</p>	<p>Roller map to be used for showing state of Goa. Write the different types of fuel used to run different vehicles.</p> <p>Draw the picture of bridge for train, over river and road. Draw the picture of tunnel and level crossing.</p>	English Develops vocabulary	Awareness about various places in India.

		<p>Discovering of facts</p> <p>Group Activity</p>	<p>languages spoken in different states.</p> <p>Knows about the clothes, food and land forms of Gujarat, Goa and Kerala etc.</p> <p>Knowledge about dress worn and food eaten by people of different states.</p>	<p>Match language spoken with the state.</p> <p>Picture chart showing dress worn by people of different states. Discussion on food eaten by people of different states.</p> <p>Group discussion to find out different states to which classmates belong to, their mother tongue, their traditional food and clothes of their states.</p>		
August	8. Reaching Grand-Mother's House	<p>Observation Identification</p> <p>Discovering of facts</p>	<p>Observes rail-way, bus, cinema, platform ticket. Observes a railway time-table and learns to read it.</p> <p>Knows facts related to means of transport.</p> <p>Use of railway time-table.</p>	<p>Children read the information provided on these tickets. Children learn to fill up railway reservation form.</p> <p>Discussion on means of transport used in Kerala. Pictures of means of transport.</p> <p>Children will be given a</p>	Maths calculation	Comes to know about various means of travel.

		Group Activity	<p>Knows about laws on child marriage and importance of education.</p> <p>Awareness about family tree, relatives and various functions in the family.</p>	<p>Sing a song or perform a dance for these occasions.</p> <p>Write the minimum age of marriage for girls and boys.</p> <p>Mention the places of work employing small children.</p> <p>Discussion on law made on child labour.</p> <p>Paste picture of your family.</p>		
10. Hu Tu Tu, Hu Tu Tu	<p>Observation</p> <p>Identification</p> <p>Discovery of facts</p>	<p>Observes the indoor and outdoor games.</p> <p>Identifies the indoor and outdoor games.</p> <p>Identifies the rules of different games.</p> <p>Knows about some players.</p> <p>Understands the</p>	<p>Provide some indoor games to play.</p> <p>Take the children to the playground to play some outdoor games eg. Kabaddi.</p> <p>Make a list of any five outdoor games.</p> <p>Ask the rules of some commonly played games.</p> <p>Paste the pictures of some famous sportspersons.</p> <p>Draw your favourite game and write five lines on it.</p> <p>Importance of coach.</p> <p>Short stories related to the achievement of players.</p> <p>Discussion on discrimination on</p>	<p>English Stories</p> <p>Maths Countings Counting</p>	<p>Helps to keep the body healthy.</p> <p>Develops team spirit.</p>	

		Group Activity	meaning of discrimination. Develops alertness and confidence.	the basis of gender, caste and class. Quiz competition. Divide class into two teams and play some outdoor game.		
	11. The Valley of Flowers	Observation Identification Discovery of facts	Observe the map of India. Observes buds and flowers. Identifies floral designs or clothes. Categorise flowers. Knows the uses of flowers.	Locates U. P., Kerala, Maharashtra on the map. Visit to the school garden or nearby garden. Observes the duration of a bud becoming a flower. Draw the picture of a bud and a flower. Stick pictures of flowers. Make a floreal design of your choice and colour it. Group flowers on the basis of number of petals, colours, whether in bunches or not. Find out names of two flowers which are used for making medicine. Name of flowers cooked as vegetables. Name of flowers used for making colour. Name of flowers used to make scents.	<u>Drawing</u> Develops drawing and decoration skill.	Awareness of the immediate surroundings.

		Group Activity	Develops the creativity and general awareness.	Make models of different houses. Paste pictures of items used in cleanliness.		
13. A	River's Tale	Observation	Observes the picture of sources of water.	Draw any five sources of water. Draw the source of drinking water in your house.	Drawing	Water is precious. Love every drop.
		Identification	Identifies the causes of water pollution.	Demonstrate water pollution and write three pollutants of water. Identify which things dissolve in water and which do not dissolve in it. Draw pictures of different ways to clean water.		
		Discovering of facts	Knows the importance of safe drinking water.	Discussion on safe drinking water. Name some water borne diseases. Slogan writing.	AHPL Safe drinking water	Water pollution.
		Group Activity	Develops awareness.			
14.		Observation	Observes the fields	A visit to the field.		Uses of

	Basva's Farm	<p>Identification</p> <p>Discovering of facts</p> <p>Group Activity</p>	<p>and crops.</p> <p>Identifies different crops. Identifies harmful insects.</p> <p>Transportation of farming produce. Comes to know about the different implements used in farming.</p> <p>Knowledge of different crops and steps involved in growing it.</p>	<p>Observes the steps needed to grow crops and arranges the flash cards in correct order.</p> <p>Name different kinds of crops grown in your area. Name the insects which damage the crop.</p> <p>Write the different modes of transport used to carry fruits and vegetables to market. Draw and write the name of some implements used in farming.</p> <p>Children will grow a plant and write the steps involved in this process.</p>		<p>plants in daily life.</p>
	15. From Market to Home	<p>Observation</p> <p>Identification</p>	<p>Observes different fruits and vegetables.</p> <p>Identifies green leafy vegetables and vegetables</p>	<p>A visit to vegetable market. Draw some fruits and vegetables in the notebook.</p> <p>Name some vegetables which can be eaten raw, cooked or both raw and cooked.</p>	<p>General Knowledge</p>	<p>Learns about value and importance of vegetables.</p> <p>Life of vegetable seller.</p>

			<p>available in summer and winter.</p> <p>Vegetables commonly used in salads.</p> <p>Identifies fruits and vegetables that get spoiled quickly and those that can stay fresh for some days.</p> <p>Identifies fruits & vegetables that are smooth to touch and those that are rough.</p> <p>Comes to know about the heaviest and lightest vegetables.</p> <p>Comes to know about the whole-sale vegetable and fruit market.</p> <p>Gaining knowledge for day to day living.</p>	<p>Name some fruits & vegetables that get spoiled quickly.</p> <p>Name some fruits & vegetables that can stay fresh for some days.</p> <p>Name some fruits and vegetables that are smooth to feel.</p> <p>Name some fruits and vegetables that are rough to feel.</p> <p>Draw and name two vegetables that are heaviest to carry.</p> <p>Draw and name two lightest vegetables.</p> <p>Discussion on the role of vegetables market.</p> <p>Choose any three occupations and write about them.</p> <p>Find out the price of one kilogram of vegetables eg. onion, potato, cauliflower etc.</p>					
Octob	16.	A	Discovery of facts	Group Activity	Observation	Observes birds and	Observe a nest and write the	<u>English</u>	Animals

er	Busy Month	<p>Identification</p> <p>Discovering of facts</p> <p>Group Activity</p>	<p>their nests around them.</p> <p>Identification of the birds by their feet, claws and beak.</p> <p>Special features of nests of birds. Location of nests of birds.</p> <p>Development of awareness and reasoning.</p>	<p>material used for making the nest. Draw a picture of the nest seen by you. Make any 5 pictures of birds who lay eggs.</p> <p>Identify the birds by looking at their feet and claws. Identify the birds by looking at their beak.</p> <p>Children will choose two birds around them and write how they are different from each other in terms of nest, food, habits, feet and beak. To find out where do the birds make their nests.</p> <p>Make model of a nest. Draw three animals each of the following : Living (a) on land, (b) in water and (c) on trees.</p>	<p>Development of vocabulary</p>	<p>and their needs. Dental hygiene.</p> <p>Personal hygiene.</p>
	17. Nandita in Mumbai	Observation	<p>Observes the state of Maharashtra and its capital Mumbai on the map of India. Observes the</p>	<p>The state of Maharashtra and its capital Mumbai will be shown on roller map. Difference between villages and cities in regard to water supply and sanitation.</p>		<p>Learns how weaker sections of the society live.</p>

		<p>Identification</p> <p>Discovery of facts</p> <p>Group Activity</p>	<p>pictures of villages and big cities.</p> <p>Identifies maternal relations.</p> <p>Identifies the facilities available in the cities.</p> <p>Different kinds of houses.</p> <p>Comes to know about the difficulties faced by poor people.</p> <p>General awareness about the way people live.</p>	<p>Name the various maternal relations.</p> <p>What kind of house you live in and the facilities available there eg. water, electricity, hospital etc.</p> <p>Draw the picture of different kinds of houses in your area.</p> <p>Discussion on people who have to vacate their houses and its effect on their life.</p> <p>Draw different types of localities eg. locality with huts and colony with multi-storeyed flats. Write two facilities and two problems faced by them.</p>	<p>Healthy living</p>	<p>Conservation of water and electricity.</p>
November	18. Too much water, Too little water	Observation	<p>Observes Andhra Pradesh on the map of India.</p> <p>Observes sources of drinking water at home and at school.</p>	<p>Locate Andhra Pradesh on the map.</p> <p>Different sources of drinking water.</p> <p>Different ways to clean water.</p>		

		<p>Identification</p> <p>Discovery of facts</p> <p>Group Activity</p>	<p>Observes clean and dirty water.</p> <p>Identifies the problem of shortage of water.</p> <p>Home remedy of diarrhoea.</p> <p>Learns about various water borne diseases.</p> <p>Awareness of hygiene and sanitation arrangements in the school.</p>	<p>List some ways we tend to waste water.</p> <p>Preparation of mixture of water with a pinch of salt and sugar.</p> <p>Preparation of ORS.</p> <p>List various water borne diseases.</p> <p>Collect paper cuttings on water borne diseases.</p> <p>Cut the newspaper clippings related to water and stick them to make a big collage.</p> <p>Collect information on rain water harvesting and Clean Ganga Project.</p>	<p>Learning of hygiene of water.</p>	<p>Learns about safe drinking water.</p> <p>Contaminants and remedial measures.</p>
	19.Abul in the Garden	<p>Observation</p> <p>Identification</p>	<p>Observes trees and plants around them.</p> <p>Observes banyan tree.</p> <p>Identifies various plants.</p>	<p>A visit to the Kitchen garden.</p> <p>Comparison of Banyan tree with other trees.</p> <p>Classifies plants according to the edible portion e. g. root, stem,</p>	<p>Plant life</p>	<p>Nutritional value of plants.</p>

		Discovering of facts	Identifies plants that need support. Requirements for plant growth. Knows about law against cutting trees.	leave etc. Picture cards of these plants will be shown. Draw picture of climbers e. g. Pea plant, Bitter gourd plant etc. Write four things that plants need to survive and grow. Take two plants. Give water to a plant and don't water the other. Write observations. Learns about provision of law against cutting trees.		
		Group Activity	Development of skills.	Grow seedlings from seeds by growing seeds of channa, moong etc.		
20. Eating Together	Observation	Observes various occasions of many people eating together.	Children share experience of birthday party or wedding attended by them.	<u>Drawing</u> Drawing of festivals	Importance of balanced diet.	
	Identification	Identifies various occasions when feast is prepared and people eat together.	Draw a picture and write on a festival celebrated in their family. Match the festivals with the states in which they are celebrated.	Health education		
	Discovery of facts	Comes to know about festivals celebrated on	Name of the festivals (Baisakhi, Onam etc.) and special dress worn, feast prepared etc. Discussion on mid-day meal.			

		Group Activity	<p>the occasion of crop harvesting. Comes to know about mid-day meal.</p> <p>Experience of community living.</p>	Class party will be arranged.		
	21. Food and Fun	<p>Observation Identification</p> <p>Discovering of facts</p> <p>Group Activity</p>	<p>Observes children in the neighbourhood who stay in boarding school/hostel.</p> <p>Observes a picture of Gurudwara and identifies that it is a religious place.</p> <p>Celebrations of religious festival in Gurudwara.</p>	<p>Good and bad points about boarding school/hostel and activities done by these children during vacations.</p> <p>A visit to a Gurudwara.</p> <p>Write about the activities inside the Gurudwara.</p> <p>Paste the picture of Gurudwara and the people eating langar.</p> <p>Discussion on Guruparv and participation of people in preparing langar.</p> <p>Importance of Kadha Prasad.</p> <p>Religious festival in your community.</p> <p>Paste any five pictures of festivals celebrated in India.</p>	Learning of religious festivals	Learns about community living.
	22. The	Observation	1. Observes his	Favourite T. V. programme of	Learns about	Learns

	World in my Home	<p>Identification</p> <p>own family while reading newspaper or watching T. V.</p> <p>2. Observes the time when all family members are at home in the evening.</p> <p>3. Observes and identifies relationship between the families in the neighbourhood.</p> <p>Discovery of facts</p> <p>Decisions taken in the family.</p> <p>Group Activity</p> <p>Development of brotherhood and harmony.</p>	<p>your family.</p> <p>Same or different rules for all family members.</p> <p>Are community functions organised in your locality ? Do they eat together in these functions ?</p> <p>Finds out and writes about the following :</p> <p>(1) Who earns money ?</p> <p>(2) Who manages home ?</p> <p>(3) Who takes decisions ?</p> <p>1. Sharing food of each other during lunch break.</p>	family life	about family responsibilities and decision making in the family.
	23. Pochampalli	<p>Observation Identification</p> <p>1. Observes various things in the house and identifies the people who have made them.</p>	<p>1. Name of the common things and the workers who have made them.</p> <p>2. Name three types of clothes and the season in which they are worn.</p>	Various occupations and occupational workers	Learns about weaving technique.

		Discovery of facts	<ol style="list-style-type: none"> 2. Observes and identifies silk and cotton clothes worn by the family members. 1. Comes to know about the weaving of cotton and silk cloth. 2. Role of the family members. 	<ol style="list-style-type: none"> 1. Write the steps involved in making saree/cloth from thread. 2. Write the responsibilities of the members of weaver's family. 		Learns about different types of clothes.
		Group Activity	Development of creativity skill.	<ol style="list-style-type: none"> 1. Paste the pictures of various occupational workers. 2. Make a model of clay pot. 		
	24. Home and abroad	Observation	<ol style="list-style-type: none"> 1. Observes map of India and Globe. 2. Observes the picture of Abu Dhabi and Kerala. 	<ol style="list-style-type: none"> 1. Locates Chennai, Kerala, Kochi and Abu Dhabi on the Globe. 2. Pictures of Abu Dhabi and Kerala to be shown on computer. 	<u>Maths</u> Currency	Learns the way people live in other countries and their currency.
		Identification	<ol style="list-style-type: none"> 1. Identifies the difference between Kerala and Abu Dhabi. 2. Identifies paternal relations. 	<ol style="list-style-type: none"> 1. Write the difference in respect to terrain, climate, availability of water & petrol etc. 2. Name the various paternal relations. 	Learns about contrasting terrains & ways of living in Kerala and Abu Dhabi.	

		Discovery of facts	Knows about the currency (notes and coins) of other countries.	1. Name the currency of any five countries.		
		Group Activity	Development of creativity.	Collect information and pictures of an Indian desert.		
	25. Spicy Riddles	Observation	Observes spices like red chillie, black pepper, cummin seeds etc.	1. Teacher shows whole spices to children. 2. Draw pictures and write names of any five spices.		Knows about different spices.
		Identification	Identifies different spices.	1. Recognise spices by their colour and flavour. 2. List of spices used in your house for cooking.		Medicinal value of spices.
		Discovery of facts	Comes to know of different types and uses of spices.	One spice which is put into both sweet and salty things. Write any spices grown in your native place. Draw any two spices with medicinal value. Write different dishes and spices used in it.		
		Group Activity	Learns use of different spices.	1. Children will make different kinds of chaats using various spices. 2. Make small packets of		

				different spices and paste it.		
	26. Defence officer : Wahida	Observation	<ol style="list-style-type: none"> 1. Observes the map of India. 2. Observes the uniform of army, airforce and navy. 3. Observes parade on T. V. or live parade. 	<ol style="list-style-type: none"> 1. Locates Jammu and Kashmir on the map of India. 2. Learns to differentiate by looking at the colour and pattern of uniform. 3. Observes the punctuality, timing and precision with which the parade is carried out. 	Achievement of life ambition.	Value of hard work. Knowledge about defence services.
		Identification	<ol style="list-style-type: none"> 1. Identifies various ranks of the defence services. 2. Identifies various types of occupations in defence services. 	<p>Write the ranking of the defence services.</p> <p>List of various types of occupations in defence services.</p>		
		Discovery of facts	Comes to know about the life of people in defence.	<p>Discussion on people in defence services.</p> <p>Discussion on their family members' occupation.</p> <p>What do you want to become?</p>		
		Group Activity	Knowledge of first aid.	<ol style="list-style-type: none"> 1. Make a first aid box. 2. Find out names and stick the pictures of women. Who have excelled in some profession. 		

February	27. Chuskit goes to school	Observation Identification	Observes Ladakh on map of India. Observes the picture of physically challenged people and identifies their disability.	<ol style="list-style-type: none"> Find out location of Ladakh on map of India. <ol style="list-style-type: none"> What kind of place is it ? How children go to school in such places ? List various types of disabilities. <ol style="list-style-type: none"> Have you seen such children ? What problems they had ? 	Learns about the difficulties faced by the physically challenged.	Caring and helping disabled people.
		Discovery of facts	<ol style="list-style-type: none"> Difficulties faced by these people in day to day life. Aids available to them. 	<ol style="list-style-type: none"> Did you help them in any way ? 		Help the physically challenged.
		Group Activity	Development of awareness.	<ol style="list-style-type: none"> Give example of disability along with the difficulty faced. Aids available : White stick for blind. Wheel chair for people with weak legs. Braces for polio affected children etc. Draw picture of a ramp and a wheel chair. 		
				<ol style="list-style-type: none"> Paste a photograph of Helen Keller. Find out and write how she faced challenges of life with determination and 		

				<p>courage.</p> <p>2. Make a list of the rules made by the government to make life comfortable for physically challenged people.</p>		
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