

GRADE 3

Chapter 1					
Month/ Chapter	Sub-Topic	Learning Objective	Methodology	Learning Outcome	Activity
Poonam’s day out,	Exploring nature and children’s notion about animals	Observe the diversity of animals around them Classify animals based on their size Distinguish between domestic and wild animals Identify body parts used for movement in different animals.	Differentiate animals on the basis of their habitat (land, water, air; wild, domestic). Identify body parts used for movement in different animals	Identifies simple features of animals and birds in the immediate surroundings Groups objects, birds, animals, features, activities according to differences / similarities using different senses.	Draw pictures of animals using various techniques.
Chapter 2	Topic	Learning Objectives		Learning Outcome	
➤ The Plant Fairy	Familiarity with variety in growing in their surroundings	Identify and name common plants growing in their surroundings.	✓ Draw and colour different leaves. ✓ Discussion on different trees size, shape.	Identifies simple observable features of leaves, trunk and bark of plants in immediate surroundings	Leaf painting.
	Recognition of differences in tree trunks, thickness and texture	Distinguish between trees on the basis of thickness of trunks and its texture			paste and mention-leaves of plants-size, shape, colour, smell, texture and margins
	Awareness of variety in	Recognize differences in size, shape, colour smell, texture and margin of leaves of different plants.			
	Skill of drawing leaves and taking rubbing of leaves and tree trunks				
Chapter-3					
Water O’ Water	Uses of Water Sources of Water Storage of Water Relating shapes and size of storage containers to volume/capacity Exploration into ways of conserving water	Identify the importance and uses of water in our daily life. Recognize different sources of water Identify the sources of water supply in their homes Explore ways to conserve waters in their daily living	Compare size and shape of containers to determine the quality of water using different beakers. Explanation of water cycle .	Explores and reads pictures, posters, signboards, books, audio-videos, tactile /raised material / newspaper clippings, stories /poems, web resources, documentaries, library and use other resources besides textbook, and demonstrates curiosity for the written word. Guesses properties, estimates quantities; of materials /activities in daily life and verifies using symbols /non-standard units in order to demonstrate critical thinking. Creates drawings, designs, motifs, models, top, front, side views of objects, simple maps (of classroom, sections of home / school, etc.) and slogans, poems, etc.	Drawing various sources of water. Compare the size of different utensils
Chapter 4					
Our First School	Family & its importance Family practice and values Work of different family	Identify different relationships in a family and nature of these relationship Describe unique practices and rituals including cleaning during celebration and their importance Name different works that the families are engaged with Relate the importance of sharing work in a family.	Making family tree Discussion on family occupation.	Describes roles of family members, family influences (traits / features /habits / practices), need for living together, through oral / written /other ways.	Writing about family members and their favorite things after asking the members

Chapter 6					
Food We Eat	Variety in food items we eat Nature of foods consumed by different age groups Food habits in different parts of India and other countries like Hong Kong.	Identify different food items eaten by people Infer the reasons for different foods consumed by children, young and old people. State reasons for people’s choice of foods they eat Describe different expressions and mudras and their meanings	Asking parents and grand parents about their favourite dish, and the reason as well. Asking children about their favourite dish and tell them to find out the origin of that dish, writing the ingredients and recipe.	Describes need of food for people of different age groups; animals and birds, availability of food and water, and use of water at home and surroundings. Shows sensitivity for the elderly, and diverse family set ups in surroundings. abilities, choices – likes / dislikes, and access to basic needs such as food.	find out the origin of their favorite dish, writing the ingredients and recipe.
Chapter 11	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
From Here to There	Means of transport	Enlist the different modes of transport and reasons for choosing them for travel.	Classify vehicles on the basis of number of Wheels Use different material like match boxes to make toy train and other means of transport.	Identifies objects, signs /signboards, means of communication and transport, places, activities at home /school / neighborhood	Draw your favorite vehicle Write names of 5 vehicle and write their difference.
		Become familiar with safety precautions and rules to be observed during travel.			
	Uses of different vehicles	Identify fuels used by different vehicles to Run		Collects information, records it, and differentiates between objects and modes of transport	
	Relate different uses of various vehicles				
	Identify vehicles used for emergency service				
	Vehicles in present and past	Explore change in modes of transport through dialogue with elders			
Chapter 12	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Work We Do	Different occupation	Comprehend the given picture to know about the different works done by people	Enlist various occupations your parents and neighbors are engaged in. List the activities done by different family Members Locate discriminatory practices, if any, in roles performed by different members in their families	Identifies among our neighborhood what work different people do, the special skills /qualification required for various work and shares their experiences in different ways.	List down different activities/chores done in the school and at home
	Importance of school for all children	<ul style="list-style-type: none">Students identify various occupations children are involved inStudents articulate advantages of attending school over working		Voices opinion on good /bad touch; stereotypes for tasks /play /food /caste /age /economic condition /gender in family and also w.r.t misuse /wastage of food and water in family and school	

	Work in a family	Students Relate the importance of different types of Work			Describes roles of family members, family influences /habits / practices, need for living together, through oral / written /other ways.
Chapter 13	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Sharing Our Feelings	Taking care of grandparents	Identify the problems and needs of old People	Playing dumb charades, eye twitch, one legged hook.	Shows sensitivity for the elderly, differently abled and diverse family set ups in surroundings.	Role play – being old age, sick Making cards for grandparents
	Special people	Observe and identify people who are physically challenged	Describe various ways to assist and help elderly people		
		Recognize Braille as a special way of reading and writing for people who cannot see			
		Develop sensitivity towards old and physically challenged people			
Making Pots	Pottery	Appreciate the ancient art of making pots and realize its importance.	Describe the different methods of making clay pots.	Describes skilled workers, namely potters, their skills, tools used by them, their inheritance (from elders)	Use clay to make utensils.
	Methods of making pots - Pinched and coil method	Become familiar with required materials different steps of making pots	Make small pots using suggested procedures		
	Uses of Pots	Relate the use of baking pots and bricks in a kiln.	State different uses of pots in daily life		
Chapter 16	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Games We Play	Games played by different family members	Know the reason for less availability of time for children to play now a days Identify the activities done during leisure Time	List traditional games played by family members and their local names List few outdoor and indoor games Research about number of player and things used in different games	Collects information, records it, and differentiates between activities of present and past, that is, in the early years of the elders in the family (e.g., games played, activities done in leisure time by people) Observes rules in games and other collective /group tasks and undertake initiatives of care, share empathy, leadership	Collage of indoor and outdoor games with newspaper cuttings.
	Outdoor and indoor games	Differentiate between outdoor and indoor games		Observes rules in games and other collective /group tasks and undertake initiatives of care, share empathy, leadership	
	Number of players and things used in different games	Relate the importance of rules to be followed in a particular game			
	Famous sports person	Identify famous sports personalities associated with various games			

Chapter 17	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Here Comes a Letter	Journey of a letter	Realize the importance of a post office	Enact various steps involved in the journey of letter from sender to receiver Describe a post office and its working	Identifies objects, signs /signboards, means of communication and transport, places, activities at home /school / neighborhood Observes, records observations, experiences, information on objects /activities /places visited in different ways in order to predict patterns /central messages	Visiting a post-office Make drawing of various communication means.
	Different types of letters	Name various other means of communication like, mobile phones, e-mail, fax etc. which are faster and effective than the conventional methods	Name various other means of communication like, mobile phones, e-mail, fax etc. which are faster and effective than the conventional Methods		
	Other modes of communication				
	Address on a letter	Know the sequence and importance of details written on the letter as address			
Chapter 18	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
A House Like This!	Kinds of houses	Become familiar with the diversity in houses	Describe the special types of houses found in Assam, Rajasthan, Dal Lake Enlist the materials used to build their house	Identifies objects, places (types of houses /shelters, in our neighborhood, different parts of the country Creates drawings, designs, motifs, models, top, front, side views of objects, simple maps and slogans, poems, etc.	Making a katcha house with straws and waste material.
	Special houses	Relate the structure of houses to the climatic conditions of the place.			Drawing of pucca house
	Houses in cities	Know about the features of a multi-story building			
	Materials used to build houses	Become aware regarding the problems faced by homeless people in cities and places they live (slums)			
Chapter 19	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Our Friends - Animal	Caring for animals Different food habits of animals	Develop a concern for animals	State the joys of keeping pets	Identifies simple features of animals in the immediate surroundings	Enlist various types of food that partial animals eat
		Comprehend our responsibilities to our pets and other domestic animals	State various ways of interdependence between animals and human beings		
	Interdependence between animals and human beings	Analyze the relationships between humans and animals	Describe the types of food and ways of feeding domestic / pet animals.	Describes need of food for animals' availability of food and their dependence on humans.	
		Compare and contrast the usefulness of having animals in the ecosystem in order to describe the importance of balance in the nature			
Chapter 22	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Left - Right	Use of directions - left, right, front, behind, up and down to locate Places	Name the things present on left, right, front and behind of an object / place etc.	Read map/sketch of an area in order to locate various objects	Uses signs /symbols /verbal skills in order to identify directions, location of objects / places in simple maps, shortest routes (of home / classroom / school)	Make their own signs and symbols and use a key to describe them in a sketch/map
	Symbols and Sign	Recognize the need for symbols and signs Read symbols and signs in a sketch/map and locate place and objects	List different signs/symbols and their locations in order to describe the purpose of putting the sign/symbols		

				Creates drawings, designs, sketch , top, front, side views of objects, simple maps	
Chapter 23	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
A Beautiful Cloth	Variety in cloths	Recognize the differences in clothes with reference to their texture, colour and design.	Bring different patches of clothes and name the fabric	Creates drawings, designs, motifs, models, top, front, side views of objects, simple maps and slogans, poems, etc.	Fabric painting- block with vegetables and thread painting
		Visualize various uses of a particular cloth or Material			
	Weaving	Explain technique of weaving and demonstrate it using paper strips			
	Printing on cloth	Gain knowledge of different techniques used to make different patterns on clothes			
		Develop skills of vegetable printing and other traditional arts to create different patterns			

GRADE 4

Chapter	Sub-Topic	Learning Objective	Methodology	Learning Outcome
➤ Chapter 1 Going to school	• Mode of transport used by Children to reach School	Know about the ways children of different parts of the country go to school and problems faced by them.	✓ observe and explore the immediate surroundings	Explores and analyses objects and activities of past and present in order to differentiate between them.
		Identify different modes of transport used in different regions	✓ discuss with the parents/guardians/grandparents/elders in the neighbourhood and compare the life style of past and present	
		Relate the mode of transport to different land forms viz. rocky path, dense forests, snow, mountain etc.	✓ showing pictures, short clips of various modes of transport	
	Bridges	Realize the importance of a bridge.	✓ Discussion and inquiry based	
		Identify various material used for constructing different kinds of bridges.		
	Jugad	Explain 'Jugad' in your own words with examples.	✓ Activity- missing things and then find a solution	
		Appreciate its usefulness in the Indian context		
	No punishment in school	Reinforce the message of no punishment in school.	✓ Sharing their own experiences on punishment	Voices opinion on issues observed / experienced in, family / school / neighborhood
		Be self-disciplined		

Chapter-3				
➤ A Day with Nandu	Group behavior of animal	Define a herd and give examples of animals that live in herds.	✓ Story of fox and crow ✓ One child in 'hand chain cage' trying to get out ✓ Role play in different situation	Explains the herd /group behavior in animals, birds and changes in family Participates in taking care of a plant(s), feed birds /animals, in order to demonstrate initiatives of care, share empathy, leadership by working together in groups
		Know important characteristic behavior of animals/elephant living in a herd		
	Animal-human interface	Give examples of animals that can be used for riding or carrying loads.		
		Relate to feelings of caged animals.		
		Develop love and sensitivity towards animals.		

Chapter-4				
➤ The story of Amrita	Amrita's friend- A tree	Realize the importance of forest (plants) and animals	Discussion: imagine there are no trees. And then taking the responses of the students. Skit based on save trees	Observes and explores the immediate surroundings, i.e., home, neighborhood for different objects /flowers / plants, and identifies simple features of objects, flowers, roots and fruits in immediate surroundings Suggests ways for personal and community hygiene, reduce, reuse, recycle and takes care of different living beings (plants, animals, and the elderly, differently abled people), and resources (food, water, and public property)
	Importance of trees and animals	Be sensitized regarding trees / forests in particular in Rajasthan Realize the importance of forest (plants) and animals Give reasons for decline in number of birds Develop a concern of care for plants and animals. Adopt practices to protect plants and animals.		

Chapter-5				
➤ Anita and the honey bees	Dream of a School	Realize the importance of education and equal opportunity to all	Discussion on My Aim and how will you achieve. Making insects with peanut shell. Making beehive with thumb painting.	Explains the herd /group behavior in animals Describes different skilled work (farming, their skills, tools used by them and training (role of institutions) in daily life
	Becoming Bee – Keeper	Know about Right to Education- RTE Act (2009)		
		Know about insects that live in groups and division of labor amongst them		
		Gain knowledge about bees and their behavior		

		<p>Become familiar with steps in bee keeping.</p> <p>Appreciate and imbibe the value of being independent and taking responsibility.</p>		
Chapter-9				
Changing Families	<p>Changing nature of family.</p> <p>My family- Yesterday, Today and Tomorrow</p>	<p>Accept that changes are a part of life.</p> <p>Give reasons for change in family viz. birth of a new baby, transfer of a working member, a wedding in the family etc.</p> <p>Relate to changes/adjustments as a consequence of these changes and adapt to them.</p> <p>Become familiar with special food, clothes, songs and dances performed during wedding in different families</p> <p>Identify changes in their own family as a result of education and use of technology</p> <p>Empathize with the children who drop out of school for various reasons</p> <p>Relates age of marriage as per Law on Child Marriage.</p>	<p>Making a questionnaire for parents about their study and marriage. And asking the questions to them.</p> <p>Making a family tree.</p>	Explains the changes in family

Chapter 11	Topic	Learning Objectives	Methodology	Learning Outcome
The Valley Of Flowers	The world of flowers	Appreciate the beauty and importance of flowers	Locate Uttarakhand, U.P. Maharashtra and Kerala on the map of India, the places famous for flowers Origami flower making	Observes and explores the immediate surroundings, i.e., home, school and neighborhood for different flowers / plants, and identifies simple features of , parts of flowers, roots and fruits in immediate surroundings
		Become aware in variety in colors shape, hues, shapes, size aroma of flowers and group them accordingly.		
	Blooming buds	Recognize Madhubani as folk art form of Bihar.	Draw, identify and understand the parts of a Flower	
		Identify flowers which on trees bushes, water creepers.		
		Identify flowers by their scents.		
		Differentiate between a bud and flowers.		
	Uses of flowers	Recognize the different uses of flower.	Name flowers which are used for making medicine.	Creates collage, designs, models, rangolis, posters, albums, simple maps, flow diagrams, etc. using available material or local /waste material.
		List scents/perfumes.		
		List flowers used on special occasions and festivals.		
		Name flowers which are used for making colors.		
	Miscellaneous	Know the technique to dry flowers and use it to make pretty cards.	Practical	

Chapter 12	Topic	Learning Objectives	Methodology	Learning Outcome
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Changing Times	A big move	Relate to freedom struggle partition of India and displacement of persons.	Experiment of cleaning water decantation, sedimentation and filtration	Differentiates between objects and activities of past and present.
	Changing Houses	Identify the different types of houses and materials used of constructing them with charging times.		
	Ways of cleaning water	Gain knowledge of the methods of making water safe for drinking		Uses different senses as per their abilities to observe /smell /taste /feel /hear while performing simple activities and experiments.

Chapter 14	Topic	Learning Objectives	Methodology	Learning Outcome
Basva’s Farm	Growing a crops	Recognize the variety in nature of crops grown in different regions/areas.	Describe different steps in cultivating a crop. Draw different agricultural tools, their local names and purposes.	Describes different skilled work (farming, construction, etc.); their skills, tools used by them, their inheritance (from elders) and training (role of institutions) in daily life
		Recognize the importance of removing weeds.		
		Reason out the need for involvement of all farming members at various steps during cultivation.		
		State measures to ensure good yield and return for the farmer.		
	Agriculture tools	Identify different agricultural tools, their local names and purposes.		

Chapter 15	Topic	Learning Objectives	Methodology	Learning Outcome
From Market to Home	Daily routine of a vegetable seller Ways of keeping vegetables fresh	Narrate the daily routine of vegetable sellers.	Write the daily routine of mother/ father	Explains the process of producing and procuring daily needs (e.g., food, water, clothes) i.e., from source to home.
		Relate the importance of starting the day early and working long hours.		
		Appreciate the importance of all family members in sorting of fruits and vegetables.	Enlist different ways to keep vegetables and fruits fresh for a longer time	Groups the plants for observable features in order to compare based on differences or similarities and sorts them into different categories.
	Identification of fruits and vegetables	Differentiation and classify fruits and vegetables on the basis of season, colour, size, shape, texture, seeds, smell etc.	Ask parents- Identify fruits and vegetable that spoil quickly and those that can stay for some days.	

	Weighing & selling of fruits and vegetables	Know the measures used for selling vegetables and fruits like dozen, kilograms etc.		Estimates spatial quantities (weight) in standard /local units (<i>kilo, gaz, pav</i> etc.) and verifies using simple tools /set-ups
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Chapter 16	Topic	Learning Objectives	Methodology	Learning Outcome
A Busy Month	World of animals and birds Bird’s and nests	Become familiar with variety of nests and materials used in their making .	Identify animals that live on land, in water and on trees	Observes and explores the immediate surroundings, i.e., home, school and neighborhood for different birds and identifies different features of birds.
		Know the reasons for making of nests by the birds.	Name the enemies of birds and bird’s eggs.	

		Becomes acquainted with the how and what mother birds feed to their young ones.	Draw variety in beaks and relate nature of beak to the kind of food they eat.	
	Variety in Beaks and feet of birds	Identify the nature of different kinds of bird's feet and their purpose.		
	Animal Teeth	Recognize variety in nature of teeth in different animals and relate to the kind of food consumed by them.	Groups the animals, birds for observable features in order to compare based on differences or similarities and sorts them into different categories. Draw birds, bird's nests, animals, birds beak etc.	
		Become familiar with the different kinds of human teeth		

Chapter 18	Topic	Learning Objectives	Methodology	Learning Outcome
Too Much Water Too Little Water	Polluted Water	Relate the harmful effects of drinking dirty unclean water.	Conduct a water survey and find out ways to stop wastage of water.	Suggests ways for personal and community hygiene, reduce, reuse, recycle and takes care of different living beings (plants, animals, and the elderly, differently abled people), and resources.
	Uneven distribution of water.	Become sensitized to uneven distribution of water and consequent water shortage.	Name some water based diseases and their symptoms.	
	Purification of water	Gain knowledge of methods of purification of water		Explains the process of producing and procuring daily needs (e.g., water) i.e., from source to home.
	Miscellaneous			

Chapter 19	Topic	Learning Objectives	Methodology	Learning Outcome
Abdul in the Garden	Roots & its function	Recognize different kinds of roots.	Postulate the ways plants get water if nobody waters them.	Guesses (properties, conditions of phenomena), observes and shares experiences of the phenomena, happenings, situations in daily life (such as, how root, flowers grow etc.) and demonstrates ways to check /verify /test the observations through simple experiments and activities
		Recognize the importance of water for plants.		
		Recognize unusual roots and their functions.		
	Growing a plant.	Become aware of laws against cutting trees.	Conduct an activity to grow seeds and record their observations.	
			Make a list of other things that grow including human beings.	

Chapter 20	Topic	Learning Objectives	Methodology	Learning Outcome
Eating Together	Community eating	Imbibe the virtue/value of sharing and doing things together	Collect necessary information regarding Mid- Day Meal Scheme and their right to complain, if unhappy with the quality of food or other issues.	Records her observations /experiences / information for objects, activities, phenomena, places visited (<i>mela</i> , festival) in different ways and predicts patterns in activities /phenomena.
	Bihu -Festival of Assam Mid-Day Meal	Explore the narrative to find out <ul style="list-style-type: none"> - Special food prepared - Special dresses worn - Temporary shed for feasting together - Bhela Ghar 		Voices opinion on issues observed / experienced in, family / neighborhood,

Chapter 22	Topic	Learning Objectives	Methodology	Learning Outcome
The World in My Home	Relationship and decision making in a family	Relate the importance of caring and concern for different interests of family members.	Enquire from parents, teachers, peers and elders at home /community, discuss, critically think and reflect on experiences of children related to situations at home. Skit- A day in our home. Role play of family members	Identifies relationship with and among family members in extended family.
		Know about various decisions taken in a family and persons who take them.		
	Gender Discrimination	Become sensitized to gender discriminatory practices in a family.		Voices opinion on issues observed / experienced in, family / school / neighborhood.
	Family Values	Appreciate the importance Of values exhibited by elders in the family and acquire them.		
	Caste and religious practices	Become sensitized to discriminatory practices on the basis of caste and religion in families.		
	Good and Bad touch	Become sensitized to good and bad touch and other abuses.		

Chapter 23	Topic	Learning Objectives	Methodology	Learning Outcome
Pochampalli	Pochampalli- Art of weaving	Know about traditional art of weaving Pochampalli sarees and carpet weaving in different parts of India	Weaving with the help of paper strips or satin ribbon.	Describes different skilled work (, art /craft, etc.); their skills, tools used by them, their inheritance (from elders) and training (role of institutions) in daily life.
		Become sensitized about reasons for extinction of traditional handicrafts	Make something traditional with the help of parents	
	Process of weaving	Know the steps involved in weaving- From thread to cloth	Appreciate and realize the role of all members of the family in the process	
	Traditional occupation	Recognize various traditional occupations and jobs are learnt from elders in a family		

Chapter 24	Topic	Learning Objectives	Methodology	Learning Outcome
Home and Abroad	Kerala and its landforms	Know about Kerala and Abu Dhabi’s climate, houses, trees and plants, food, clothes people, language and currency.	Compare Kerala and Abu Dhabi on various aspects Collage making in group for both the places	Uses the information on signboards, currency (notes /coins)
	Comparison of Kerala and Abu Dhabi	Describe the salient features of the two travel destinations : people ,culture, food habits ,weather conditions and currencies of Abu Dhabi (UAE) and Kerala (India)		Groups the plants, objects, places for observable features in order to compare based on differences or similarities and sorts them into different categories.

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Chapter 27	Topic	Learning Objectives	Methodology	Learning Outcome
Chuskit Goes to School	Chuskits Dream to go to school	Relate to the problems faced by special people in hilly areas.	Play- eye twitch , one legged hook, Story of differently abled famous personalities	Participates in different indoor /outdoor /local activities, carries out projects / role play for taking
	Special people	Get motivation to help others and work in a Group		care of differently abled in order to demonstrate initiatives of care, share empathy, leadership by working together in groups.
		Develop sensitivity to the needs of differently abled people.		
		Recognize the importance of equipment and special facilities like wheelchair and ramp for special people at.		

Grade -5

Chapter 1	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Super senses	Sense organs of differentanimals.	Identify sense organs of different animals like ants, bees, birds, snakes, dogs,tigers etc.	Compare the vision of birds andanimals with human beings Relate the importance of special sounds made by various animals	Explains the unique super senses and unusual features (sight, smell, hear, sleep, sound, etc.) ofanimals and their responses to light, sound,food etc.	STEM lab- Demonstration the model of the sense organs of the body.
		Know about the special senses of different animals and the functions enabled throughthem	Observe and explore the animals forthe unique and unusual sense of sight, smell, hear, sleep, and their response to light, heat,sound etc.		Art integrated learning- using paper folding make different sense organs- like a dog for smell.
		Identify various ways birds and animals communicate			
	Sleeping & waking patterns of animals.	Compare the sleeping and waking pattern of some animals	Name some national parks and sanctuaries		
	Protection of animals	Identify various threats to animals			

Chapter 2	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
A Snake Charmer's Story	Life Style of Kalbeliyas	Describe the life style ofpeople of Kalbeliya tribe	Suggest possible works/occupations for Kalbeliyas Name some poisonous snakes Collect information regarding otheranimals which people keep for their livelihood	Describes the interdependence among animals, plants and humans.	Activity – Paste and write few poisonous snakes Art- Make a snake puppet using waste material Dance- Learn Kalbeliyas dance style. English- Find out and learn new words
	Snake and Snake Charmer	Describe a day in the life of asnake charmer			
	Interdependence of snakes/animals andhumans	Become familiar with theways snakes help humans/farmers			
		Explore the feelings ofcaged animals and develop empathy towards them			

Chapter 3	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
From Tasting to Digesting	Different tastes	Identify different foods through taste and Smell	Locate different taste zones on the tongue with the help of diagram	Groups objects, materials, activities for features and properties	Art- Make a model of digestive system using waste materials
		Recognize the importance of proper chewing of food	Diagram of digestive system ,showing the model of the same		
	Digestion of Food	Approximate the major steps in digestion process and organs involved	Explore the sources of water in their neighbourhood, and how fruit, vegetables, grains, water, reach their home and kind of processes	Observes and shares experiences for different phenomena and conducts simple experiments and activities to find out more about the same.	Activity- Make a poster of tongue showing regions for different taste
		Infer that different food items take different time for digestion.	/techniques employed to convert grain to flour and flour to <i>roti</i> , purification of water etc.		STEM- Demonstrate the model of Human digestive system
		Recognize glucose as an instant energy giving food	Advocate/support for every child's right to proper food		
	Importance of proper food every child's right	Visualize the feelings of being hungry			
		Relate the importance of proper food for health			
		Become sensitized to disparities in access of food to different sections of society			

Chapter 4	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Mangoes Round the Year	Spoilage of food	Identify various reasons for spoilage of different food items	<ul style="list-style-type: none"> State the steps in making of Maadi Tandra i.e. Aam Papad Ask the reason to parents and grandparents:- for drying of glass jars and bottles before filling them with pickles Perform a simple activity to demonstrate various changes in food items due to spoilage 	Explains the use of technology and the process of accessing basic needs (food, water etc.) in our daily life.	Find out few things that can be made using raw mango and ripe mangoes.
		Relate effect of season to spoilage of food			
		List simple methods by which food items could be kept fresh.			Bio Lab- Observation of fungi on bread slice.
	Methods of Food Preservation	Know the different techniques of preservation of food and develop relevant skills			Art- Paste a wrapper with FSSAI mark and other things that should be seen while purchasing

Chapter 5	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Seeds and Seeds	Germination of seeds.	Know the different stages in the germination of seed.	Observe and share experiences for different phenomena such as how seeds germinate and the direction in which roots, shoot grow and conduct simple experiments and activities to find out the same Name plant(s) which gathers food by hunting List plants that have come from other countries to India	Observes and shares experiences for different phenomena and conducts simple experiments and activities to find out more about the same.	STEM- Soak chana overnight and tie up in wet cloth to get sprouts and paste in the notebook
		State the conditions necessary for a seed to sprout			STEM- Grow the sprout in soil and measure its length for 10 days.
		Observe to infer the requirements of the plant for its growth			STEM- Grow five different seed and observe which grows faster and which is slowest in growth
		Identify seeds which grow fast and those which take time to grow			
		Name plants that grow without seeds			
		Appraise the incident that led to the discovery of Velcro.			
	Dispersal of seeds.	Identify various ways seeds that travel from one place to another		Describes the interdependence among animals, plants and humans.	

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Chapter 7	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Experiments with Water	Water floats	Relate the reason of floating of objects in Dead Sea	List the things that float and sink in water State the reason for floating and sinking of Objects Perform an activity to identify objects and things that are soluble and insoluble in water State the process of salt making	Guesses (properties, conditions of phenomena), estimates spatial quantities (, volume, weight etc.) and verifies using simple tools / setups. Observes and shares experiences for different phenomena and conducts simple experiments and activities to find out the same.	STEM- (1) Demonstrate and observe floating and sinking objects in water and find out the reason of each. (2) Magical Water Tap.
	Solubility of different objects	Realize that some substances can be separated after getting dissolved in water			
	Where did the water go	Relate the processes of drying things in sun and reduction in quantity of water on heating (evaporation)			

Chapter 8	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
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A Treat for Mosqu itoes	Mosquitoes and diseasescaused bythem	Know that malaria spreads only by the disease carrying mosquitoes.	State the symptoms of malaria.Draw life cycle of mosquito	Suggests ways for hygiene, sanitation, health, managing waste and shows sensitivity for thedisadvantaged /deprived. Creates posters, designs, models, set ups, localdishes, sketches, maps (of neighborhood /different places visited) using a variety of local /waste material and writes poems / slogans /travelogues etc. in in order to demonstrate creativity and reflection skills.	English- Make a poster on Prevention of mosquitoes.
		Know the ways to cure andprevent malaria.	Name other diseases caused by mosquitos		
		Identify important stages in thelife cycle of a mosquito			
	Blood test- clinicalpathology report	Relate the importance of bloodtest for diagnosis of diseases like malaria and anemia	Read a blood test report to identify presence of malaria and hemoglobin levels		
	Anemia	Become sensitized to the extentof prevalence of anemia Identify major symptoms ofanemia	State reasons for the occurrence of anemia		
		Relate the importance of eating green leaves, vegetables to cureanemia	Design a poster on prevention of malaria		

Chapter 9	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Up You Go!	Adventure in mountaineering	List the things which mountaineers carry with Them	Narrate the experience of author while crossing the river	Establishes linkages among terrain, climate,resources and cultural life.	GA- Name few Indians who climb Mount Everest.
		Name tools used in climbing	State the steps in putting a tent up on the Mountains		
		Recognizing challenges during mountaineering	Describe and draw a mountain path		
	Leader’s role	Know the responsibilities of a leaders	State the journey of Bachhendri Pal		
		Appreciate the diversity of Language in India	Name other adventure activities		
		Be encouraged to learn other languages for better communication	Narrate and write about their personal adventurous journey		
	Landmarks in mountaineering	Name the first women to reach the peak of Mount Everest	Draw a national flag		

Chapter 10	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Walls Tell Stories	Golconda fort	Name the king who constructedthe Golconda fort	Visualize the efforts required to bringmaterials from different places	Traces the changes in practices, customs, techniques of past and present through coins,paintings, monuments, museum etc. materialsor tools, occupations, buildings and houses	Learn and paste few forts present in our city.
		Name features which ensured safety of the fort	List and tools used for carving		
		Identify the arrangements made for air, light & water inthe fort	State the reasons for war betweenkings		
		Appreciate craftsmanship’s and carvings	Name weapons used in wars in earlier times		
		Relate features of the fort which helped residents to see things at adjacent and in manydirections	Read map and find directions		
		Identify materials of weapons used			
		Relate the historical significance of fort			
	Monuments as a source of knowledge about ourpast	Recognize monuments and museums as a source of knowledge about past		Identifies signs, directions, locationof different objects /landmarks of alocality /place visited inmaps, and predicts directions in context of positions at different places for a location.	
		Relate various other courses of history			
		Identify various items keptin a museum andtheir significance			

Chapter 11	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Sunita in Space	Our Universe- Sun, moon, earth & other planets	Get an accurate idea about the shape	Collect information from pictures / elders / books / newspapers / magazines /web re- sources	Establishes linkages among terrain, climate, resources	STEM- How day and night occurs. Astronomy Lab- Different Phases of moon.
	Spaceship	Recognize different objects in the universe	Observe night sky and identify stars, satellites and other objects		
		Approximate the size, shape and colour of satellite, stars, moons etc.			
		Identify different phases of the moon	Look at the globe and identify different countries, oceans, seas etc.		
		Name festivals related to the moon			
		Infer that lines drawn on globe and maps are not real	Identify different states on a map of India		
		Give reasons for why do we see stars only at Night			
		Describe the way different activities happen in spaceship			

Chapter 12	Topic	Learning Objectives	Methodology	Learning Outcome	Activity	
What if it Finishes?	Vehicles and Fuels	Identify vehicles which emit produce noise	List different types of vehicles and the fuel they used Name states having oil-fields	Suggests ways for protecting /saving resources (fuels) and shows sensitivity for the usage of natural resources. Uses bar graphs to record and interpret observations, experiences and information in an organized manner and predicts patterns in activities to establish relation between cause and effect.	STEM- Demonstration of Wind mill. Demonstration of how solar energy converts into electric energy.	
		Become aware of the problems as a consequence of smoke and noise produced by vehicles	Suggest practices and ways to save diesel and petrol/use petrol and diesel judiciously			
	Limited Resource Petrol and Diesel	Know the way petrol and diesel are obtained	Make a poster/write a slogan with a message on saving fuel			
		Recognize the need to save oils				
		Identify other minerals obtained from earth				
	Use of Wood	Recognize the use of wood as a fuel by 2/3 rd of Indian families and its harmful effects				
		Miscellaneous			Interpret a bar chart showing changes in full use over 20 years	
					Imagine the nature of fuels that would be used in future	

Chapter 13	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
A Shelter so High	Cold desert	Define a cold desert and distinguish it from a hot and dry desert	Differentiate between types of houses in plains, hills and cold desert	Establishes linkages among terrain, climate, resources (food, water, shelter, livelihood) and cultural life.	Art- Make a house using ice cream stick.
		Know the life style of the people of Leh	Role play- cold desert person v/s hot desert person		
		Relate the reason for difficulty in breathing at hilly places	Collage making- houses found in Sri Nagar and Jammu		
	The Changpa Tribe	State the meaning of Changpa			
	Kashmir	Identify the characteristic features of Changpa tribe livelihood, kind of house etc.			
		Relate the type of houses to climate and needs of people			

Chapter 14	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
When the Earth Shook	Disaster	Define a ‘Disaster.’	Write a report about disaster	Suggests ways for managing disaster /emergency situations and protecting /savingresources (land, forests, etc.) and shows sensitivity for the disadvantaged /deprived.	STEM- Demonstration of Tornado and Volcano.
		Recognize various natural earthquake, famine and draughts flood etc.	Mews paper cuttings of reports related to disasters.		
		Know the effects of earthquake and other disasters	Name some voluntary agencies government bodies that assist		
	Protection	Know various ways to help one another during a calamity	Make a list of emergency services with their addresses and phone numbers		
		Become acquainted with the ways to protect like building safe houses with special designs			
	Relief Agencies	Appreciate the role of Government and voluntary agencies which help and provide relief during disasters			

Chapter 15	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Blow Hot Blow Cold	Air we breathe in andout	Recognize that air we breathe out can be hot orcold	Observe the changes in the size of chest while breathing	Uses tables to record and interpret observations, experiences and	STEM- Demonstration of musical instrument using blow air- Organ pipes and cylindrical bobs.
		<p>compared to temperature outside and can be used for different purposes</p> <p>Relate the difference in rate of breathing to different activities</p>	<p>Name musical instruments which are played by blowing air into them</p> <p>Cite different examples to demonstrate use of hot and cold air</p>	<p>information in anorganized manner and predicts patterns in activities to establish relation between cause and effect.</p> <p>Groups objects, materials, activities for featuresand properties such sound, etc.</p>	
	The clock inside	Recognize a stethoscope and its function	Listen to the heart beat and count it		
	Flow of Air		Locate the direction of air flow using papersnake		

Chapter 16	Topic	Learning Objectives	Methodology	Learning Outcome	Activity
Who will do this Work	Different types of jobs	Recognize various jobs people do	Explores and explains the role of social reformers and functions of different institutions in daily life.	Suggests ways for hygiene, sanitation, health, managing waste, and shows sensitivity for thedisadvantaged /deprived.	English- Write short Paragraph on Mahatma Gandhi
		Differentiate between jobs people like and dislike to do and relate the reasons	Appreciate the work done by different people and develop an attitude of respect and dignitytowards them		
	Cleanliness job	Recognize the importance of cleanliness in our life	Stories of Gandhi ji		
		Become sensitive to issue of untouchability and discrimination			
	Gandhiji & Social reform	Get acquainted with the work of Gandhiji to end discriminatory practices			