## JHARKHAND BOARD CLASS 5 EVS SYLLABUS



Questions	Key Concepts/ Issues	Suggested Resources	Suggested Activities
<ul> <li>1. Family and Friends</li> <li>1.1 RELATIONSHIPS</li> <li>Family tree</li> <li>Can you make a family tree with as many of your relatives you can get information about?</li> <li>Who are the relatives whom you have never seen? Where do they live?</li> </ul>	Family in transition – Impact of larger socio- economic forces are changing family structure and quality of life in families; Idea about several generations; how some people move away, some continue to live together, and how households get formed/ reformed at several places. How these are affecting roles, relationships, value systems, aspirations within a family.	A story woven around a family tree with old family photographs.	Activity - Write the names of all your family members along with their ages. How many generations have you been able to get details about?
the place that you now live in? If not, where does your family come from? Who laughs the loudest? Who is the tallest/shortest in the family? Who has the	migration/transfers/ demolition displacement Associated difficulties Basic ideas of measurement - of height;		
	<b>1. Family and Friends 1.1 RELATIONSHIPS</b> <i>Family tree</i> Can you make a family tree with as many of your relatives you can get information about? Who are the relatives whom you have never seen? Where do they live? <i>Shifting from place to place</i> Have you always lived at the place that you now live in? If not, where does your family come from? <i>Who is the tallest/shortest</i>	Sbifting from place to placeIssuesSbifting from place to placeShifts in habitation- from since showed at some second condition displacement second at second difficultiesSbifting from place to the place that you now liveShifts in habitation- migration displacement second difficultiesWho laughs the loudest?Shifts in habitation- migration about?Shifting from place to the place that you now liveShifts in habitation- migration displacement second difficultiesShifting from place to the place that you now live in? If not, where does in the family?Shifts in habitation- migration displacement second difficultiesWho is the tallest/shortes in the family?Basic ideas of measurement - of height?	IssuesResources1. Family and Friends 1.1 RELATIONSHIPS Family treeRamily in transition - Impact of larger socio- economic forces are changing family structure and quality of life in families; Idea about several generations; how some people move away, some continue to live together, and how households get formed/ reformed at several places. How these are affecting roles, relationships, value systems, aspirations within a family.Story of a migrating family or a family displaced by the construction of a dam or demolition displacement Associated difficultiesSbifting from place to place Have you always lived at the place that you now live your family come from?Shifts in habitation- Associated difficultiesStory of a migrating family or a family displaced by the construction of a dam or demolition displacement Associated difficultiesWho laughs the loudest?Basic ideas of measurement - of height;Cartoons; narratives.

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voice/laugh in the house?	skills of relatives;		Writing exercises about an
From how far away can	observing infants.		infant they have observed.
you hear it? Who speaks			
the softest? When does a			
child cry the loudest?			
When she is hungry-or			
angry? Who is the best			
cook in the family?			
Our likes and dislikes			
Which is your favourite	Our bodies, our senses,	Narratives about	Observation, discussion,
colour? Which is your	our likes/ dislikes vary e.g.	preferences in taste,	describing and writing
friend's favourite colour?	our concept of foul/	smells, colours in	about a friend's likes/
Which is your favourite	fragrant smell	different cultural context.	dislikes; a class survey
food? What about your	Cultural influences of taste,		about childrens favourite
friends favourite food?	smell, etc(to be discussed without		colour/food etc.
Do you know your	stereotyping).		
friends' likes and dislikes?		20	
Are there any smells you		0.9	
don't like (fish, mustard			
oils, garlic, eggs etc)? Do		and a	
you eat fish?			
Feeling to read			
Do you know how people	Awareness and	Autobiography of Helen	Activity with Braille paper
read with their hands? Do	sensitisation towards the	Keller; excerpt from her	(or simulated Braille
you know someone who	problems of physically	teacher's account of how	paper).
finds it difficult to walk/	challenged;	she learnt; Braille sheet.	
speak/see etc.? How do			
you think they learn to			
overcome the problem?			
1.2 Work and play			
Team games – your			
beroes			
Do you play any games in	Types of games/sports,	Library resources- Indian	Collecting information,

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Syllabus for	teams? Have you ever been captain of the team? Do boys and girls play together? Have you heard of any Indian team playing in another country? Which is your favourite team sport? Do you know any National level player? <i>Local games/martial arts</i> What are the local games/ martial arts of your area? Do you know someone who is good at them?	importance of team spirit in games, gender stereotyping. Some idea of other countries and national teams. Gender, class stereotyping in play. Local and traditional martial art forms/games. Typical practice routines; teachers/gurus: changing	cricket team; narrative about some national and international players. Description or photographs of traditional martial arts, 'Nat' acrobat	making picture albums ; posters of sports persons Reading, discussion, collecting information and writing about local/ martial games.
Jor Classes at the Elementary Level 124	who is good at them? Have you seen a young acrobat or wrestler practicing? Who taught them? For how long have they learnt the art/game? What are the new games in your area that were not played earlier? What do you do in the evenings for leisure? What if there is no TV? Who decides what programmes to watch?	teachers/gurus; changing patterns of local games. Changing nature of leisure.	'Nat', acrobat, boat race, etc.	martial games.
	<i>Blow hot blow cold</i> How many times do you breathe in a minute – on sitting still, just after a run? How much can you expand your chest by breathing	Our breathing – estimates of different rates; chest expansion and contraction in the child's body while exhaling and inhaling; My	Story by Zakir Hussain – " <b>Usee se thanda usee se</b> <b>garam</b> " – Zubaan books.	Observation, , activity of breathing in and out and observing the difference (mirror/glass/on palm); measuring chest; counting

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deeply? Can you make a glass cloudy by blowing on it? How do you blow to make something cold? Do you also blow to keep a fire going? <i>Clean work – dirty</i>	breath – hot and humid; tacit understanding of cooling by blowing and helping a fire to burn.		heart beat and breathing rate , making and using a stethoscope
work? Can you list ten different types of work that people do for you. In this list what work is seen as dirty and what is seen as clean? What would happen if there were no one to - clean our streets/our home/clear the garbage?	Dignity of Labour Dependence of society on such essential services. Choice of work as a societal value.	Extract from Gandhi's autobiography; narrative from another country - sweepers treated with dignity; story of a Valmiki boy discriminated in school because of parents' occupation.	Reading and discussion based on suggested resources.
<b>1.3 ANIMALS</b> <i>How animals find</i> <i>their food?</i> If you leave some food outside your house do some animals take it away? How do they find it? Do these animals also hear/speak/ see/smell/ eat/ sleep?	Sense organs; Comparison with humans – activities such as eating sleeping etc.	Information about animals' senses and other functions. Narratives about animals such as ants, bees, dogs, birds, snakes etc giving ideas about their senses.	Observation of animals to study their response sound, food, light and other stimuli.
What we take from animals? What animal products do we use for clothing, shelter, etc.?	Animal products used by us.	Child's daily life experience, information about products we obtain from animals.	Listing and drawing of items made from animal products.

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	Why is the tiger in danger? Why do people kill wild animals? Which are the animals that are poached? People who depend on	Protection of wild life; selling of animal parts.	Excerpt from 'Man eaters of Kumaon' by Corbet.	Discussion, reading, poster making activity with a message to save wild life.
Syllabus for Classes at the Elementary Level 126	animals Do you know people who catch/trap/hunt/ entertain using animals? Have you seen how snake charmers/gujjars depend on animals? What do you understand by cruelty to animals? Do you think a snake charmer is cruel to the snake? Have you seen scenes of hunting in rock paintings or on ancient seals?	Communities dependent upon animals; hunters restricted to smaller spaces; changing patterns of wild and domestic animals. To be sensitive about cruelty to animals; realize that people who depend on animals for their livelihood are not necessarily cruel to them. Basic idea of pre-historic hunters and the wild animals seen at that time.	Library resources; illustrations of pre-historic hunting scenes (Bhimbetka). Narrative of gujjars' or snake charmers' relationships with animals. Child's observation; an story/narrative about an animal and its caretaker , e,g, mahouth/tonga wala Films/pictures of shooting, skins (tiger) of animals.	Discussion on people whose livelihood depend on animals; drawing; Discussion on people teasing/troubling animals at the zoo/other places.
	1.4 PLANTS Growing plants How does a plant grow from a seed? Can you grow a plant without seeds? How do you grow mangoes/potatoes? Where does the seed come from? Have you seen seeds that fly/stick to your clothes/drift in the water?	Seed germination, root and shoot axis, baby plant, storage of food in the seed; seed dispersal.	Seeds, germinated seeds.	Study germination of some seeds, experiment to determine conditions suitable for germination (air and water).

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Forests and forest people Have you seen or heard about a forest? How do people live in forests?	Tribal life; effects of deforestation; communities dependent	Information about tribal life, communities dependent on forest	Exploring from parents, reading, and discussion.; tracing tree trunks.
How is their life threatened by forests being cut? What kinds of foods do they collect from the plants there? What leaves are used for eating on? Do your parents remember places with trees/forests where there are none today? Why were the trees cut and what is there today?	on forest products e.g., ' <i>pattals</i> ', bamboo products, etc.	produce, effects of deforestation.	
Protected trees		for the start	
Have you heard of a park/sanctuary? Who looks after it? Does anybody own it? Have you seen a place where trees are worshiped or protected by the villagers?	Public/private ownership of trees/forests. Sacred groves; people's movements to protect their forests.	Story of the Chipko movement and the women's role in protecting trees.	Enactment of chipko andolan; poster – 'save trees'; survey and identify any 'green belt' in your neighbourhood.
<i>Plants that have come</i> <i>from far</i> Does tea come from a plant? Where did people first grow tea and what does the plant look like? Does it grow only in	Plants from different countries.	Song/poem from Chakmak: " <i>Alu</i> , <i>mirchi</i> , <i>chaiji</i> ; <i>Kaun kahan se aye ji</i> " Story about the Chinar tree coming to Kashmir.	Local knowledge, reading, and discussion, reciting the poem together; making tea.

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Syllabus for Classes at the Elementary Level

	Questions	Key Concepts/ Issues	Suggested Resources	Suggested Activities
	some places/climates? What did people drink when there was no tea in India?			
Syllabus for Classes	2. Food When food gets spoilt How does food spoil? How do we know that food is spoilt? Which food spoil sooner than others? What can we do to prevent food from getting spoilt? What do we do to keep it fresh during travel? Why	Spoilage and wastage of food. Preservation of food, drying and pickling.	Sharing family experiences Interaction with a person involved with food production/preservation.	Keep some bread, other food for a few days – see how they spoil.
at the Elementary Level 128	do we need to preserve food? Do you leave food in your plate? Who produces the food we eat? Do you know of different kinds of	On different types of farmers. Hardships faced	Farmers' narratives - Could take one example	Study germination of seeds, experiment to
	farmers? Do all farmers own their land? How do farmers get the seeds they plant every year? What else besides seeds is required for a crop to grow?	by subsistence farming, including seasonal migration. Need for irrigation, fertilizers.	from Punjab and the other from AP. Story of a child missing school because of his/her family's seasonal migration. Family members. Visit to a farm.	determine conditions suitable for germination; Observations in any farm.
	What did people grow earlier? Did your grandparents or any elderly person eat the	Changing food habits, changing crops grown in	Information on food from different places.	Collection of samples or pictures of food from

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same food you eat today? Do all of us eat the same kind of food? Why do we eat different kinds of food?	some areas. Different food habits in different places/cultures.		different places/cultures.
When people do not get food Do you know of times when many people do not get enough food to eat? Have you seen where extra grain is stored? How do you know when you are hungry? Do you know of people who get ill because they do not have enough to eat?	Hunger, famine (as both a natural and man-made phenomenon); grain being spoilt in storage; nutrition deficiency diseases.	Print material on different calamities; Narrative of the Bengal famine as a man-made calamity; TV news bulletins etc.	Collection of pictures related to natural calmities; discussion on affects.
Our mouth – tastes and even digests food! How do we taste food? What happens in the mouth to the food we eat? Why do we give glucose to patients? What is glucose?	Tasting food; chappati/ rice becomes sweeter on chewing; digestion begins in the mouth; glucose is a sugar.	· ·	Tasting activity, action of saliva on rice/chappati.
<i>Food for plants?</i> What do plants need for food? Do you know of any plants that eat insects? What do animals eat? Do all animals eat the same food? Do animals eat other animals?	Water, manure, air for plants; Insectivorous plants e.g. pitcher plant, Venus fly trap; basic idea of food chain/web.	Pictures/visuals of insectivorous plants.	Observations and discussion on food for plants; making amodel of a food chain/web.

<b>ter</b> <i>lifferent bouses</i> you have different of houses in			
t places? Different in the same place?	Variation in shelter: regional difference, difference due to climate and materials available, economic status, etc.	Different houses in different climates and regions.	Making models of houses; collection of materials used to make houses in different places.
ter for everyone? everyone have a to live in? Why do live together in hamlets, colonies, orhoods?	Need for living close to others, the idea of neighbourhoods. Need for sharing resources and spaces, division of spaces.	Pictures of villages, colonies etc.	Write and draw the area you live in, find out about people who work for everybody.
we in colonies? know how bees/ we together in s?	Ant or bee colony, social behaviour in insects.	A case study of social organisation in bees/ants.	Observations and drawings of ant colonies, different types of ants.
/earthquakes/ es/fires/storms/ ng? What would it t like? Who are the who come to help? an you do to help before the doctor P Where can we	Disaster and trauma of losing one's home; community help; Hospitals, police stations, ambulance, shelters, fire station, first aid.	Newspaper clippings.	Discussion, finding out about the hospital, police station, fire station, etc.
t li wh an be	ke? Who are the to come to help? you do to help fore the doctor Where can we help at such	ke? Who are the to come to help?station, first aid.you do to help fore the doctor	ke? Who are the to come to help?station, first aid.you do to help

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4. Water				
Water from where in				
earlier times?				
From where and how far	Estimates of distance	Illustrations, story of a	Enquiry from grand	
did your grandparents get	measurement; changes in	'baoli'/stepwell	parents/ other elders;	
water? How far do you	sources and water	Such / Step wen	drawing, model making	
have to go for water?	availability over time;		of a step well.	
What are underground	community service		or a step well.	
wells/'baolis'? Do you still	especially for long-			
see them being used? Have	distance travellers.			
you seen a ' <i>piaao</i> '?				
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Water flow				
From where do farmers	Sources for irrigation;	Farmer/any local person	Interaction with a farmer,	
get water to grow crops?	different quantities of	who works in fields, a	visit to a field, making	
Do all crops need the	water for different crops;	plant/crop.	water wheel., activity with	
same amount of water?	Different methods of		water wheel.	
Have you seen water	lifting water; the use of a			
flowing upwards? What	waterwheel.	1 Mar 19		
are the different ways in				
which you have seen water		. 0.		
being lifted? How is		New York		
flowing water used to				
grind grain?				
Plants and animals in				
water				
What kinds of animals and	Animals and plant life in	Weeds of different kinds;	Listing and classification;	
plants live in water? Are	water; classification in	pictures of plants and	drawing of water body.	
there weeds that are	terms of similarities and	animals living in different		
covering your pond/	differences.	habitats.		
lake/ river? Can you				
classify all the animals you				
see around you to show				
which ones live in water				
and which live on land?				

	Questions	Key Concepts/ Issues	Suggested Resources	Suggested Activities
	What floats, sinks or mixes?Basic observations and classification related to floatation and solubility in things around you to see which float, which sink and which mix with water?Basic observations and classification related to floatation and solubility in tiquids that do not mix; 		Various materials to experiment with, such as, sugar, stone, oil, salt, sand etc. Story of the donkey and the salt/cotton bag.	Hands-on activity to observe solubility in water, floatation; discussion, interpretation.
Syllabus for Classes at the Elementary Level 132	oil, milk, cold drink, etc.? How do we measure these? Mosquitoes and malaria Is their any stagnant water in your locality? Do you find more mosquitoes in stagnant water? Is there any way to reduce the mosquitoes in water? Have you heard of malaria? In what season do you find more people	Stagnant and flowing water; mosquitoes and malaria.	Health worker or a doctor. Newspaper articles on malaria etc.	Interaction with a community doctor; observation of site of stagnant/flowing water.
	getting ill with malaria? <b>5. Travel</b> <i>Petrol or diesel</i> Do all vehicles need petrol to run on? What other fuels do you know that are used for vehicles? What do trains run on? In the past what did they run	Fuels used in vehicles; Fuel is costly. Non renewable source.	Poems and songs about trains/cars etc.; Enquiry from adults; the story of 'petrol'.	Discussion, finding out different fuels used, comparison of cost of petrol and diesel.

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on? What do tractors use as fuel? For what other purposes are petrol and discal used?			
diesel used? Find out the cost of a litre of petrol/diesel in your area? Do all vehicles run an equal distance on a litre of fuel?			
Rough and tough Have you seen or been to a mountain? How and why do you think people make such difficult trips? How do you think they train for it?	Mountains, expeditions and the spirit of adventure; some idea of training for high altitude; national flag.	Excerpt from the autobiography of Bachendri Pal; Flag of India atop mount Everest; flags of some countries	Act/dance to show climbing on a difficult mountain; Designing a flag for your school; identifying some other flags
<i>Ride on a spacecraft</i> What all do you see in the sky – at day time? And at night? How many of the things you see in the sky are man-made? Have you heard of people traveling in a space craft?	The sky in the day and night. Basic exposure to the aerial view of the earth and what India looks like from there.	Story of Rakesh Sharma/ Kalpana Chawla.	Observation from a terrace to draw its aerial view. Imagine yourself in a spacecraft giving an interview to the PM about what you see from there!
<b>Oldest buildings</b> Is there any well-known monument/historical place in your area that people come to visit? What are the oldest buildings around your area? Have you traveled far to see any historical monuments?	Heritage buildings as a source of knowledge about our past; to be able to understand how they were built; materials usedcome from a variety of places, skills of the crafts person; Some	Oral narratives from people; pictures.	Drawing pictures of the building or the monument in your neighbourhood or memory or imagination.

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Syllabus for Classes at the Elementary Level 134	Have you heard of those personalities who lived in these monuments or who built these? <b>6. Things we Make</b> and Do <i>Growing Food</i> How do we grow food? What tools do we use for preparing the field? For cutting and harvesting? For cutting and cooking different vegetables/ dishes? How do we water the crops? How do we lift water through a pump or a waterwheel? Can we make a water wheel, sprinkler, etc.?	historical personalities. After basic needs met, exploration leading to improving and overcoming human limitations; greater expression of creativity; overuse of natural resources needs to be checked. Some idea of the story of a grain from the field to our plate – in terms of processes and the tools used. Different things made from the same grain, say, wheat/rice. Simple observations of water lifting in fields or in homes; making of a water wheel, sprinkler, etc.	Narratives; talking to elders, farmers, those involved in growing and cooking food. ' <i>Dump se pump</i> ' by Arvind Gupta.	Observing and talking about processes of growing food; drawing tools used in different processes; finding out about different dishes made from the same grain, say, wheat/rice. Making a simple waterwheel, sprinkler, pump.