## Subject: EVS

	PHASE 1				
Ch. No.	Chapter Name	Subtopics	PT1 portion		
			Total Marks: 20Duration: 45 minutes		
1	<b>Changing Families</b>	Joint Family and Nuclear Family	Joint Family and Nuclear Family		
		<ul> <li>Advantages of a Joint Family</li> </ul>	<ul> <li>Advantages of a Joint Family</li> </ul>		
		<ul> <li>Disadvantages of a Joint Family</li> </ul>	<ul> <li>Disadvantages of a Joint Family</li> </ul>		
		<ul> <li>Advantages of a Nuclear Family</li> </ul>	<ul> <li>Advantages of a Nuclear Family</li> </ul>		
		<ul> <li>Disadvantages of a Nuclear Family</li> </ul>	<ul> <li>Disadvantages of a Nuclear Family</li> </ul>		
		Changes over Time in Family Structures	<ul> <li>Changes over Time in Family Structures</li> </ul>		
		Family Tree Today	Family Tree Today		
2	Games We Play	Different games	-		
		o Kabaddi			
		o Kho-Kho			
		o Badminton			
		o Ludo			
		<ul> <li>Card games</li> </ul>			
		• Scrabble			
		Social Negotiation and Fair Play			
		<ul> <li>Play as a way of social negotiation</li> </ul>			
		<ul> <li>Ideas of fair play</li> </ul>			
3	Every Child is Special	Sign language	Sign language		
		<ul> <li>How do the blind manage their lives?</li> </ul>	<ul> <li>How do the blind manage their lives?</li> </ul>		
		Facilities for the differently abled	<ul> <li>Facilities for the differently abled</li> </ul>		
		o Wheel chair	• Wheel chair		
		• Ramps	o Ramps		
		• Special compartments	<ul> <li>Special compartments</li> </ul>		
		• Braille number pads	<ul> <li>Braille number pads</li> </ul>		
		• Audio books	<ul> <li>Audio books</li> </ul>		
		<ul> <li>Special schools</li> </ul>	<ul> <li>Special schools</li> </ul>		
		Being sensitive	<ul> <li>Being sensitive</li> </ul>		

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4	Animals and their	Characteristics of Animals	Characteristics of Animals
	Characteristics	o Ears	o Ears
		o Skin	o Skin
		o Tongue	o Tongue
		o Teeth	o Teeth
		o Eyes	o Eyes
		o Nose	o Nose
		<ul> <li>Special features of birds</li> </ul>	Special features of birds
		<ul> <li>Bird's nest</li> </ul>	<ul> <li>Bird's nest</li> </ul>
5	Professions and	What is a profession?	•
	Occupations	<ul> <li>Professionals who wear special uniforms</li> </ul>	
		<ul> <li>Profession and gender</li> </ul>	
		<ul> <li>Handloom industry</li> </ul>	
		<ul> <li>Crafts in danger of dying</li> </ul>	

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## Grade: IV

PHASE 2					
Ch. No.	Chapter Name	Subtopics	HYE portion		
			Т	otal Marks: 50 Duration: 2 hours	
6	Spices	Spices in India			
		Spices we used then and spices we use now			
		Different types of spices			
		<ul> <li>Clove/Lavang</li> </ul>			
		<ul> <li>Fennel/Saunf</li> </ul>			
		o Cumin/Jeera			
		<ul> <li>Black Pepper/Kali mirch</li> </ul>			
		<ul> <li>Turmeric/Haldi</li> </ul>			
		<ul> <li>Red chilli/ Lal mirch</li> </ul>			
7	Light	What is light?		What is light?	
		Light travels in a straight line		Light travels in a straight line	
		Reflection	-	Reflection	
		Refraction	•	Refraction	
		<ul> <li>Transparent, translucent and opaque objects</li> </ul>	•	Transparent, translucent and opaque objects	
8	Roots	<ul> <li>What does a plant need to grow?</li> </ul>	-	What does a plant need to grow?	
		o Light		o Light	
		o Water		• Water	
		o Air		o Air	
		<ul> <li>Nutrients</li> </ul>		• Nutrients	
		<ul> <li>Ambient space and temperature</li> </ul>		<ul> <li>Ambient space and temperature</li> </ul>	
		Roots	-	Roots	
		<ul> <li>Function of roots</li> </ul>		• Function of roots	
		• Parts of root		<ul> <li>Parts of root</li> </ul>	
		<ul> <li>Types of roots</li> </ul>	-	Types of roots	
		• Taproot		<ul> <li>Taproot</li> </ul>	
	-	<ul> <li>Fibrous root</li> </ul>		<ul> <li>Fibrous root</li> </ul>	
		<ul> <li>Adventitious root</li> </ul>		<ul> <li>Adventitious root</li> </ul>	

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		<ul> <li>Uses of roots to human beings</li> </ul>	<ul> <li>Uses of roots to human beings</li> </ul>
		<ul> <li>Roots as food</li> </ul>	<ul> <li>Roots as food</li> </ul>
		• Roots as medicine	<ul> <li>Roots as medicine</li> </ul>
		<ul> <li>Roots to hold the soil in place</li> </ul>	<ul> <li>Roots to hold the soil in place</li> </ul>
9	Flowers	The flower	The flower
		<ul> <li>Flowering plants</li> </ul>	<ul> <li>Flowering plants</li> </ul>
		<ul> <li>Seasons of flowers</li> </ul>	<ul> <li>Seasons of flowers</li> </ul>
		• The plant cycle	<ul> <li>The plant cycle</li> </ul>
		Flowers and their different shapes, colours, flavours, petals	• Flowers and their different shapes, colours, flavours,
		and fragrances	petals and fragrances
		<ul> <li>Different shapes of flowers</li> </ul>	<ul> <li>Different shapes of flowers</li> </ul>
		<ul> <li>Different colours of flowers</li> </ul>	<ul> <li>Different colours of flowers</li> </ul>
		<ul> <li>Different flavours of flowers</li> </ul>	<ul> <li>Different flavours of flowers</li> </ul>
		• Fragrance of flowers	<ul> <li>Fragrance of flowers</li> </ul>
		<ul> <li>Uses of flowers in everyday life</li> </ul>	<ul> <li>Uses of flowers in everyday life</li> </ul>
		<ul> <li>Flowers used in paintings</li> </ul>	<ul> <li>Flowers used in paintings</li> </ul>
		<ul> <li>Flowers are eaten too!</li> </ul>	<ul> <li>Flowers are eaten too!</li> </ul>
		• Flowers in medicines	<ul> <li>Flowers in medicines</li> </ul>
		<ul> <li>Flowers to make scents</li> </ul>	<ul> <li>Flowers to make scents</li> </ul>
		<ul> <li>Colours from flowers</li> </ul>	<ul> <li>Colours from flowers</li> </ul>
		• Flowers for decoration and making garlands and	$\circ$ Flowers for decoration and making garlands and
		bouquets	bouquets
		<ul> <li>Flowers used for worship</li> </ul>	<ul> <li>Flowers used for worship</li> </ul>
10	Fresh from the Field	Germination of seed	Germination of seed
		• How did Seedy change into a cherry tree?	<ul> <li>How did Seedy change into a cherry tree?</li> </ul>
		Crops grown by farmers	<ul> <li>Crops grown by farmers</li> </ul>

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PHASE 3				
Ch. No.	Chapter Name	Subtopics	PT2 portion	
			Total Marks: 20Duration: 45 minutes	
11		<ul> <li>In the vegetable market</li> </ul>	-	
	Market to Home	Supermarket		
12	Diversity in Food	<ul> <li>Food associated with different occasions</li> </ul>	Food associated with different occasions	
		• Birthdays and wedding anniversaries	Birthdays and wedding anniversaries	
		<ul> <li>Weddings</li> </ul>	<ul> <li>Weddings</li> </ul>	
		o Pangat	<ul> <li>Pangat</li> </ul>	
		• Buffet	<ul> <li>Buffet</li> </ul>	
		<ul> <li>Food associated with different festivals</li> </ul>	<ul> <li>Food associated with different festivals</li> </ul>	
		<ul> <li>Religious festivals</li> </ul>	<ul> <li>Religious festivals</li> </ul>	
		✓ Christmas	✓ Christmas	
		✓ Diwali	✓ Diwali	
		✓ Eid	✓ Eid	
		✓ Gurpurab	✓ Gurpurab	
		• Harvest festivals	<ul> <li>Harvest festivals</li> </ul>	
		✓ Makar Sankranti	✓ Makar Sankranti	
		✓ Baisakhi	✓ Baisakhi	
		✓ Pongal	✓ Pongal	
		✓ Onam	✓ Onam	
		✓ Bihu	✓ Bihu	
13	Sound	<ul> <li>Sound is produced by vibrations</li> </ul>	<ul> <li>Sound is produced by vibrations</li> </ul>	
		<ul> <li>How sound travels</li> </ul>	<ul> <li>How sound travels</li> </ul>	
		<ul> <li>Speed of sound</li> </ul>	<ul> <li>Speed of sound</li> </ul>	
		Musical instruments	<ul> <li>Musical instruments</li> </ul>	
		Noise pollution	<ul> <li>Noise pollution</li> </ul>	
14	Building Houses	Origin of housing	Origin of housing	
		<ul> <li>Materials used then</li> </ul>	<ul> <li>Materials used then</li> </ul>	
		<ul> <li>Materials used now</li> </ul>	<ul> <li>Materials used now</li> </ul>	

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		Sky-high buildings	- 3	Sky-high buildings
		<ul> <li>People who build houses</li> </ul>	• ]	People who build houses
		<ul> <li>Tools used to build houses</li> </ul>	• '	Tools used to build houses
15	Different Rides	Different vehicles for transport	• ]	Different vehicles for transport
		o Cycle rickshaw	(	<ul> <li>Cycle rickshaw</li> </ul>
		<ul> <li>Jugad ride</li> </ul>	(	<ul> <li>Jugad ride</li> </ul>
		<ul> <li>Bullock carts</li> </ul>	(	o Bullock carts
		<ul> <li>Different modes of transport</li> </ul>	• ]	Different modes of transport
		• On water	(	• On water
		✓ Vallam		✓ Vallam
		✓ Shikara		✓ Shikara
		<ul> <li>Through the jungles</li> </ul>	(	<ul> <li>Through the jungles</li> </ul>
		<ul> <li>Ropeway/cable car</li> </ul>	(	<ul> <li>Ropeway/cable car</li> </ul>
		Animals for transport	•	Animals for transport
		Bridges	• ]	Bridges
		Flyovers	• ]	Flyovers

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	PHASE 4				
Ch. No.	Chapter Name	Subtopics	YE portion		
			Total Marks: 50Duration: 2 hours		
16	On the Train	Travelling to another place	Travelling to another place		
		<ul> <li>Land transport</li> </ul>	<ul> <li>Land transport</li> </ul>		
		✓ Railways	✓ Railways		
		✓ Uses of railways	✓ Uses of railways		
		<ul> <li>Air transport</li> </ul>	<ul> <li>Air transport</li> </ul>		
		<ul> <li>Water transport</li> </ul>	<ul> <li>Water transport</li> </ul>		
		<ul> <li>A train journey</li> </ul>	A train journey		
17	Journey by Air	Things needed for air travel	-		
		○ Tickets			
		○ Airport			
		<ul> <li>Boarding passes</li> </ul>			
		A journey to another country by air			
		<ul> <li>Passport and visa</li> </ul>			
		<ul> <li>Immigration forms</li> </ul>			
	Story of a River	Origin of a river	<ul> <li>Origin of a river</li> </ul>		
		<ul> <li>Seasonal changes in flow of the river</li> </ul>	<ul> <li>Seasonal changes in flow of the river</li> </ul>		
18		Eight important rivers in India	Eight important rivers in India		
		• Ganges	o Ganges		
0.000		• Brahmaputra	o Brahmaputra		
		o Narmada	o Narmada		
		o Tapi	o Tapi		
		o Mahanadi	o Mahanadi		
		o Godavari	o Godavari		
and the second s		• Krishna	o Krishna		
		• Kaveri	• Kaveri		
		<ul> <li>Man –made sources of water</li> </ul>	<ul> <li>Man – made sources of water</li> </ul>		
1		<ul> <li>Irrigation canals</li> </ul>	<ul> <li>Irrigation canals</li> </ul>		
		o Dams	• Dams		

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			• Reservoirs		• Reservoirs
	19	Water: A Natural	Water-the vital element	•	Water-the vital element
-		Resource	<ul> <li>Sources of water</li> </ul>	-	Sources of water
			<ul> <li>Storage and uses of water</li> </ul>	-	Storage and uses of water
			States of water	-	States of water
			<ul> <li>Evaporation and condensation of water</li> </ul>		• Evaporation and condensation of water
-			Water cycle	•	Water cycle
			<ul> <li>Properties of water</li> </ul>	-	Properties of water
			Water purification	-	Water purification
			<ul> <li>Boiling</li> </ul>		o Boiling
			• Sedimentation		• Sedimentation
			• Decantation		• Decantation
			• Filtration		• Filtration
			• Chlorination		• Chlorination
			Water pollution	-	Water pollution
			Waterborne diseases	-	Waterborne diseases
			Water management	-	Water management
	20	Force and Energy	What is Force?	-	What is Force?
			<ul> <li>Force is used to move an object</li> </ul>		• Force is used to move an object
-			<ul> <li>Force stops a moving object</li> </ul>		<ul> <li>Force stops a moving object</li> </ul>
			• Force changes the direction of the moving object		• Force changes the direction of the moving object
			• Force can change the speed of the moving object		$\circ$ Force can change the speed of the moving object
			Energy	•	Energy
			o Solar Energy		<ul> <li>Solar Energy</li> </ul>
			<ul> <li>Wind Energy</li> </ul>		<ul> <li>Wind Energy</li> </ul>
			<ul> <li>Water Energy</li> </ul>		<ul> <li>Water Energy</li> </ul>