

**Curriculum Plan For Science**  
**Session -2023-24**  
**Class - VI (Based On N C E R T )**

Month	Content/Theme	Project/Activity	Oral Work	Written Work
April	<b>Chapter 1: Food: Where Does it Come From?</b> <ul style="list-style-type: none"> <li>• Food Materials and Sources</li> <li>• Plant Parts and Animal Products as Food</li> <li>• Plant parts as food</li> <li>• Food Variety</li> <li>• Whatdo Animals Eat?</li> </ul>	<b>Activity</b> Prepare a chart on food habits of animal and food culture of different region. <b>Video</b> Germination of seed	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> <li>• Group Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Herbivore, Carnivore, Omnivore, Nectar</li> <li>• Diagram of: Different edible parts of plants</li> </ul>
	<b>Chapter 2: Components of Food</b> <ul style="list-style-type: none"> <li>• What do Different Food Items Contain?</li> <li>• What do Various Nutrients do For Our Body?</li> <li>• Balanced Diet</li> <li>• Deficiency Diseases</li> </ul>	<b>Activity</b> Prepare a diet chart to provide a balance diet to a 12 year old child including food items which are not expensive and available. <b>Video</b> Variety of food in different region (India)	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Fat, Mineral, Starch, Vitamins, Scurvy, Proteins</li> </ul>
May	<b>Chapter 3: Fibre to Fabric</b> <ul style="list-style-type: none"> <li>• Variety in Fabrics</li> <li>• Fibre</li> <li>• Some Plant Fibres</li> <li>• Spinning Cotton Yarn</li> <li>• Yarn to Fabric</li> <li>• History of clothing material</li> </ul>	<b>Activity</b> Visit a nearby handloom or powerloom unit and observe the weaving or knitting of fabric. <b>Video</b> Soil required for growth of different fabric plants	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Fibre, Cotton wool, Yarn, Knitting, Fabric, Spinning</li> <li>• Assignment: Prepare a list to distinguish among different types of cloth.</li> </ul>
July	<b>Chapter 4: Sorting materials into groups</b> <ul style="list-style-type: none"> <li>• Objects around us</li> <li>• Properties of materials</li> </ul>	<b>Activity</b> Collecting and grouping things on the basis of gross properties <b>Video</b> Grouping things on the basis of common properties	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Hard, Lusture, Metals, Rough, Opaque</li> </ul>
	<b>Chapter 5: Separation of substances</b> <ul style="list-style-type: none"> <li>• Methods of separation</li> <li>• Threshing</li> <li>• Winnowing</li> <li>• Condensation</li> </ul>	<b>Activity</b> Visit a nearby dairy and report about the Process to separate the cream from the milk. <b>Video</b> Different separation process	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Sieving, Solution, Filtration threshing</li> <li>• Diagram of: Winnowing, Separating two components of a mixture by sedimentation and decantation</li> </ul>

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July	<b>Chapter 6: Changes Around us</b> <ul style="list-style-type: none"> <li>• Can all changes always be reversed?</li> <li>• Could there be other ways to bring a change?</li> </ul>	<b>Activity</b> Observe preparation of dishes at home. Identify 2 changes that can be reversed. <b>Video</b> Change which can be reversed.	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> <li>• Group Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Melting, Changes, Expansion</li> </ul>
August	<b>Chapter 7: Getting to Know Plants</b> <ul style="list-style-type: none"> <li>• Herbs, Shrubs and Trees</li> <li>• Stem</li> <li>• Leaf</li> <li>• Root</li> <li>• Flower</li> </ul>	<b>Activity</b> Go to your garden dig out few different plants and observe them. <b>Video</b> Different type of plants	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Trees, Viens, Pistil, Ovule, Shrubs, Sepal, Herbs, Petal</li> <li>• Diagram of: A Leaf, Taproot &amp; Fibrous roots, Parts of a Pistil, Parts of a Flower</li> </ul>
	<b>Chapter 8: Body Movements</b> <ul style="list-style-type: none"> <li>• Human Body and Its Movements</li> <li>• Gait of Animals</li> </ul>	<b>Activity</b> Tie your hand with some solid straight thing and check are you able to bend your hand. <b>Video</b> Different body part moves.	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Muscle Cavity, Ribcage, Skeleton, Backbone</li> <li>• Diagram of: A ball and socket joint, The rib cage</li> </ul>
September	<b>HALF YEARLY EXAMINATION</b>			
October	<b>Chapter 9: The Living Organisms Characteristics and Habitats</b> <ul style="list-style-type: none"> <li>• Organisms and The Surroundings Where They Live</li> <li>• Habitat and adaption</li> <li>• A journey through different habitats</li> <li>• Characteristics of organisms</li> </ul>	<b>Activity</b> Visit a zoo and observe what different arrangements are made for different habitat animals. <b>Video</b> Different type of living organism	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> <li>• Group Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Living, Habitat, Growth</li> <li>• Diagram of: A seed from a plant germinates into a new plant</li> </ul>
	<b>Chapter 10: Motion and Measurement of Distances</b> <ul style="list-style-type: none"> <li>• Story of transport</li> <li>• How wide is this desk?</li> <li>• Some measurements</li> <li>• Standard Units of Measurements</li> <li>• Correct Measurement of Length</li> <li>• Measuring the length of a curved line</li> <li>• Moving things around us</li> </ul>	<b>Activity</b> Measure the length of foot of every Student in the class and the prepare the bar graph on the obtained data. <b>Video</b> Different units of measurement	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> <li>• Group Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Motion, Distance, SI units, Measurement</li> <li>• Diagram of: Examples of periodic motion</li> </ul>

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November	<b>Chapter 11: Light, Shadows and Reflections</b> <ul style="list-style-type: none"> <li>• Transparent, opaque and translucent objects</li> <li>• What exactly are shadows?</li> <li>• A pinhole camera</li> <li>• Mirrors and reflections</li> </ul>	<b>Activity</b> In a completely dark room, hold a mirror In front of you. Observe are you able to see your reflection or not. <b>Video</b> Different type of mirrors	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Mirror, Opaque, Shadow, Reflection</li> <li>• Assignment: Differentiate between Transparent, Opaque and Translucent object</li> </ul>
	<b>Chapter 12: Electricity and Circuits</b> <ul style="list-style-type: none"> <li>• Electric cell</li> <li>• A bulb connected to an electric cell</li> <li>• An electric circuit</li> <li>• Electric switch</li> <li>• Electric conductors and insulators</li> </ul>	<b>Activity</b> Read and find out about Alessandro Volta who invented electric cell. <b>Video</b> Conductors and insulators	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Switch, Conductor, Bulb, Insulator</li> <li>• Diagram of: Torch bulb and its inside view, Direction of current in an electric circuit, Inside view of torch</li> </ul>
December	<b>Chapter 13: Fun with Magnets</b> <ul style="list-style-type: none"> <li>• Magnetic and non-magnetic materials</li> <li>• Poles of magnet</li> <li>• Finding directions</li> <li>• Make your own magnet</li> <li>• Attraction and repulsion between magnets</li> </ul>	<b>Activity</b> Using a compass find out in which direction doors of your class. <b>Video</b> Magnetic poles	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Magnet, Compass, North pole, South Pole</li> <li>• Diagram of: Making your own magnet</li> <li>• Assignment: Find the direction of a magnet</li> </ul>
	<b>Chapter 14: Water</b> <ul style="list-style-type: none"> <li>• How much water do we use?</li> <li>• Where do we get water from?</li> <li>• Water cycle</li> <li>• Back to the oceans</li> <li>• What if it rains heavily?</li> <li>• What happens w it does not rain for a long period?</li> <li>• How can we conserve water?</li> <li>• Rainwater harvesting</li> </ul>	<b>Activity</b> Write few slogans on your own on 'Save Water'. <b>Video</b> Rainwater Harvesting	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> <li>• Group Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Hail, Ocean, Snow, Flood, Water Cycle</li> <li>• Diagram of: Rooftop rainwater harvesting, Water cycle</li> </ul>
January	<b>Chapter 15: Air Around us</b> <ul style="list-style-type: none"> <li>• Is air present everywhere around us?</li> <li>• What is air made up of?</li> <li>• Oxygen availability for animal and plants</li> <li>• How is the oxygen in the atmosphere replaced?</li> </ul>	<b>Activity</b> Make a list of 5 different activities that Are possible in presence of air. <b>Video</b> Oxygen availability for animal and Plants.	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> <li>• Group Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Smoke, Atmosphere, Oxygen, Nitrogen</li> <li>• Diagram of: Composition of Air</li> </ul>

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February	<b>Chapter 16: Garbage in, Garbage out</b> <ul style="list-style-type: none"> <li>• Dealing with Garbage</li> <li>• Vermicomposting</li> <li>• Water cycle</li> <li>• Think and Throw</li> <li>• Recycling of Paper</li> <li>• Plastics boon or a curse?</li> </ul>	<b>Activity</b> Prepare a details project report on compost making activity.  <b>Video</b> Vermicomposting	<ul style="list-style-type: none"> <li>• Oral Questioning</li> <li>• NCERT Example discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Key Questions</li> <li>• NCERT Exercise</li> <li>• Key terms: Waste Garbage, Landfill, Compost</li> <li>• Assignment: Write a short note on Recycling of paper</li> </ul>