

**HANSRAJ MODEL SCHOOL
PUNJABI BAGH, NEW DELHI
CURRICULUM PLAN
SESSION: 2024-2025
CLASS: IV
SUBJECT: SCIENCE**

MONTH	TOPIC / SUB-TOPICS	LEARNING INTENTIONS (LEARNING OUTCOMES AND COMPETENCIES)	ACTIVITIES	ASSIGNMENTS
APRIL	<p>L--- MY BODY (SDG-3)</p> <ul style="list-style-type: none"> • Digestive System • Teeth • Importance of Eating clean and fresh food 	<p>The Learners-</p> <ul style="list-style-type: none"> • Recognize the internal and external organs. • Understand and analyse the word digestion. • Comprehend the types of teeth & ways to protect them. • Outline the various organs involved in digestion. • Relate the Food Path and movement of food in our body. • Explain the role of each organ involved in digestion of food. • Evaluate the importance of maintaining oral hygiene and eating healthy food 	<p>Spread Smile- Making of human denture using clay/dough & peanuts Track the Food Path-To make digestive system using waste material</p>	<p>A.1 DEFINITIONS Digestion, internal organs, external organs, system A2 QD (3,5) A-3 TABULAR CHART on types of teeth their position and function A-4 QE(3) + EQ Q-Differentiate between small intestine and large intestine + Draw Food Path A-5 QE (4,5) A-6 QABC IN BK A-7 VBQ</p>

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May	L—PLANTS (SDG-15) <ul style="list-style-type: none"> • Types of Roots- Tap Root and Fibrous Root • Functions of roots- Special and main functions 	<ul style="list-style-type: none"> • Understand the importance of roots • Distinguish between the two types of roots – Tap and Fibrous root • Recognise the functions of roots- general & special • Outline the significance of edible, supporting breathing roots • Co-relate the role of roots in soil conservation • Identify tap root and fibrous root 	Seal-d-Root- Making of roots with m-seal (Tap root & Fibrous root) Grow a sapling- Using wheat and gram seeds to show taproot and fibrous root	A-8- DEFINITIONS- (Root, aerial root, edible root) A-9 QE (1,2) A-10 QD (3) +QE (3,4) A11 QABC IN BK A-12 VBQ
JULY	L- FLOWERS AND FRUITS (SDG-15) Features of Flowers <ul style="list-style-type: none"> • Seasonal Flowers • Uses of Flowers • Seasonal Fruits • Uses of Fruits 	<ul style="list-style-type: none"> • Comprehend the importance of flowers. • Identify and classify flowers according to different seasons. • Recognize the uses of flowers for humans. • Categorize fruits for different seasons and explain their uses. 	Blooms and Scents- Making room freshener (Fragrance in the air) Summer King- List the food preparations that can be made by using mango fruit in different states of India.	A13- QD (2) +QE (2) A14- Web-chart on uses of flowers A-15- QD (4) +QE (3) A-16- QABC IN BK A-17- VBQ IN BK

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SEPTEMBER -OCTOBER	L- BIRDS –BEAKS AND CLAWS (SDG-15) <ul style="list-style-type: none"> • Common features of the birds • Food eaten by birds • Types of beaks • Types of feet and claws. 	<p>The learners will</p> <ul style="list-style-type: none"> • Understand the features of birds • Recognize the uses of beaks and claws of a bird. • Identify & classify birds according to the type of their beaks and claws. • Relate the variations in beaks & claws of different birds to their use. • Develop the skills of drawing beaks & claws of few birds. <p>infer the importance of birds for our environment</p>	<ul style="list-style-type: none"> • HANDS ON ACTIVITY –Hungry birds • ART INTEGRATED ACTIVITY- Making of beaks and claws using clay/ice cream sticks 	<p>A-1 Definitions - preening, birds of prey, claws.</p> <ul style="list-style-type: none"> • ACTIVITY: Hungry birds (Choose your Food) • The students will infer the relation between the food of a bird and the type of beak. <p>A-2 Web chart on different types of BEAKS</p> <ul style="list-style-type: none"> • Graphical organizer <p>A-3 QE(1,2) QD(5)</p> <p>A-4: QA, B, C in book.</p> <p>A-5: VBQ in book.</p>

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OCTOBER	<p>L—INSECTS (SDG-15)</p> <ul style="list-style-type: none"> • Main Features of Insects • Pollination • Social Insects • Useful Insects • Harmful Insects • Stinging Insects <p>Ways of saving ourselves from harmful insects</p>	<p>The Learners-</p> <ul style="list-style-type: none"> • Recall few common insects. • Recognize insects as a special group of animals with special features. • Classify insects as- useful and harmful- and outline reasons for the same. • Understand the importance of the utility of apiculture and sericulture • Relate and implement ways to keep harmful insects at bay. 	<p>LAB ACTIVITY – Beehive with paper strips.</p> <p>Beware of Me- Role Play- on Disease Spreading insects.</p> <p>My Favourite Bug- using waste material/clay</p>	<p>A-6 DEFINITIONS (Pollination, sericulture, apiculture, social insects) A-7 QE (1,2,3) A-8 QE (4, 5) A-9 a) Web chart on Useful Insects b) Complete statements- a) Aedes mosquito spreads_____. b) Fleas can spread very dangerous disease _____. c) Malaria is spread by _____. A-10 QABC IN THE BOOK A-11-VBQ</p>
NOVEMBER	<ul style="list-style-type: none"> • Body Building Food • Protective Food • Balanced Diet 	<ul style="list-style-type: none"> • according to the nutrients present • Understand the meaning and importance of balanced diet <p>Have an insight for the rightful selection</p>	<p>nutrients emphasizing on roughage and water.</p>	

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DECEMBER	L - SAFE HANDLING AND STORAGE OF WATER (SDG-6) <ul style="list-style-type: none"> • Potable Water • Methods of Purification of Water • Need for avoiding stagnation of Water • Safe Handling and Storage of Water 	<ul style="list-style-type: none"> • Recall the importance of water for human body. • To understand the term- Potable water and its importance • To outline various methods of water purification • To comprehend the need for avoiding stagnation of water • To inculcate the habits of safe storage and handling of water. 	HANDS ON ACTIVITY: Make your own Traditional filter	A-17 QD (1,6) A-18 QE (1) + EQ Distinguish b/w traditional & modern filters A-19 QE (4,5) A-20 Web chart on Methods of Water Purification A-21 QABC IN BK A-22 VBQ
JANUARY	L - WATER POLLUTION (SDG-6) <ul style="list-style-type: none"> • CAUSES • EFFECTS PREVENTIVE MEASURES	<ul style="list-style-type: none"> • Recall the important natural sources of water • Understand the term- Water pollution • Enumerate the activities that cause water pollution • Be mindful of the effects of water pollution. • Outline measures to control water pollution • To inculcate sensitivity towards environmental pollution. 	ACTIVITY: 4R's: Reduce-reuse-recycle-rethink PROJECT – Effects of water pollution on Yamuna River in Delhi	A23-QE (1,2,3) A24 QE (5) + EQ How does rainwater become impure? A25 WORKSHEET on causes of water pollution A26 QABC IN BK A27 VBQ