## HANSRAJ MODEL SCHOOL PUNJABI BAGH, NEW DELHI CURRICULUM ACADEMIC PLAN

**SESSION: 2024-2025** 

**CLASS X** 

**SUBJECT: BIOLOGY** 

MO NTH	TOPIC	LEARNING INTENTIONS	ACTIVITIES	ASSIGNMENTS
April & May	Life Processo Nutritio Plants a Animals Respira Plants a Animals	<ul><li>2). Students will be able to un concepts of nutrition, respiration and animals</li><li>3). Students will be able to d labelled diagrams pertaining</li></ul>	<ul> <li>show the stomata and appreciate the stomata in the plant.</li> <li>To demonstrate the role of saliva in digestion of starch.</li> <li>To design a flow chart of nutrition</li> </ul>	110, 112)

		4). Critically analyse various physiological processes relate various systems in plants and 5). Built character amongst the by discussing /communicatin importance of healthy lifestyl daily life	on:  □ sectional view of leaf  □ stomata	(Page: 113)
July	Life Process es- Transp ortatio n in Plants and Animal s	<ol> <li>Students will be able to de transport in plants and ani</li> <li>Students will be able to dra of heart and circulation.</li> <li>Students will be able citizenship by visualizing and given scenario (High B.P, Heart Failure, Kidney failure) lives and present it in form of skit to sensitize others.</li> <li>Students will be able to importance of excretion and of excretory system and nephros.</li> <li>To express themselves ar experience without inhibition.</li> </ol>	<ul> <li>To present a skit on day-to-day healike Blood pressure, heart failure et sensitize others. (AI/DC)</li> <li>To play the game "THE FASTEST wherein the students will be able to important metabolic life processes organisms. (SI/DC)</li> </ul>	Competency Based Questions (MCQ, Assertion-Reason, Case Study)

	Excreti on in Plants and Animal s			
Augu st	Control Co-ordi	1). Students will be able to un the control and coordination aroutcome of the hormones and system.  2). Students will be able to fur understand that Chemical coor found both in plants and animal	1) Activity in the class demonstrating mechanism of reflex arc- "Mexica Students will enact their role as RI NEURON, MOTOR NEURON ar EFFECTOR. (AI/DC)	Intext questions ( Page: 120, 123, 126)
	Control & Co-ordi nation	3). Students will be able to dra neuron, reflex arc and Human  4). Students will be able to nar describe functions of various pregulator, various glands and dassociated with hormonal imbators.  5). Teamwork, co-operation, co-o	2) Students will be asked to identify of nervous system through activity Fact or Fake Quiz" and also summ reasons behind the statements.	Back Exercise

				Competency Based Questions (MCQ, Assertion-Reason, Case Study)
Septe mber	REVISION AND EXAMINATION			
Octo ber	Our Environ	1). Students will be able to exprelationship between organism environment.	1). Students will be asked to develop a wor (Pictionary, scrabble, bingo etc.) on the cor food chain and food web. (AI)	
		<ul><li>2). Students will be able to disbetween producers, consumers levels and decomposers.</li><li>3). Students will be able to expression of food chain and food flow of energy through various levels</li></ul>		Assignment No-2 Back Exercise (Page: 265, 266)
		4). Students will be able to rela human activities and their impenvironment and life of organi		Assignment No-3 Competency Based Questions (MCQ, Assertion-Reason, Case Study)

	How do Organi sms Reprod uce?	1). Students will be able to identify and explain the two types of reproduction.	<ol> <li>Students will draw a flow chart showing various methods of reproduction along with examples. (CR)</li> </ol>	Assignment No-1 Intext questions (Page: 129, 134, 141)
		2). Students will be able to recognise the importance of sexual reproduction and explain each stage in the fertilization process.	2) Students will demonstrate the structure of flower with the help of the China Rose flower. (CR)	
		3). Students will be able to describe male and female reproductive system in humans and contraceptive methods.		Assignment No-2 Back Exercise (Page: 142)
		<ul><li>4). Students will be able to compare and contrast sexual and asexual reproduction.</li><li>5). Students will be to recognise the importance of reproductive health.</li></ul>		Assignment No-3 Competency Based Questions ( MCQ, Assertion-Reason, Case Study)
Nove mber	Heredit y	Students will be able to understand that living beings	Students will be asked to observe and compare the earlobes of their	Assignment No-1 Intext questions ( Page: 144, 148,

produce offspring of same kind but they vary amongst themselves and are not identical to their parents.	friends with the earlobes of their parents and grandparents to arrive at the conclusion that characters or traits are inherited in off-springs from their parents. (CR/DC)	
<ul><li>2). Students will be able to know how the sex of offspring (humans) is determined.</li><li>3). To develop the sense of collective belonging.</li></ul>	2) Students will be asked to explore the library and internet about scientists, scientific discoveries and inventions, and then share their findings with the class in the form of role-play. (AI/DC)	Assignment No-2 Back Exercise (Page:
		Assignment No-3 Competency Based Questions ( MCQ, Assertion-Reason, Case Study)