

**BHARATIYA VIDYA BHAVAN, KOCHI KENDRA**

**YEAR PLAN FOR THE ACADEMIC YEAR 2024-25**

**CLASS: V**

**GENERAL SCIENCE**

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	CHAPTER.1 THE SUPER SENSES	SENSE OF SMELL SENSE OF SIGHT SENSE OF HEARING SLEEPING - WAKING OF ANIMALS ENDANGERED ANIMALS	DIFFERENT SENSE ORGANS AND SUPER SENSES IN DIFFERENT ANIMALS. REASONS FOR ANIMALS TO BECOME ENDANGERED. PROTECTION OF ENDANGERED ANIMALS.
JULY	CHAPTER.3 FROM TASTING TO DIGESTING	TASTE BUDS AND IMPORTANCE OF SALIVA	ROLE OF TASTE BUDS AND IMPORTANCE OF SALIVA
		IMPORTANCE OF GLUCOSE DRIP	TREATMENT GIVEN FOR DEHYDRATION
		GOOD FOOD ,GOOD HEALTH (BALANCED DIET)	HEALTHY FOOD Vs JUNK FOOD
<b>MID TERM EVALUATION 1(JULY 31 TO AUGUST 7 ) CHAPTER 1-THE SUPER SENSES,CHAPTER 3 - FROM TASTING TO DIGESTING</b>			
AUGUST	<b>CHAPTER 2 A SNAKE CHARMER'S STORY(ORAL )</b>		
	CHAPTER 15 BLOW HOT, BLOW COLD	BLOWING OF HOT AIR AND COLD AIR	BLOWING OF AIR TO MAKE THINGS HOT/COLD
		THINGS THAT WORK WITH MOVEMENT OF AIR	WIND INSTRUMENTS
		BREATHING RATE AND HEART BEAT	INHALATION AND EXHALATION,USE OF STETHOSCOPE
CHAPTER 8 – A TREAT FOR MOSQUITOES	DISEASES SPREAD BY MOSQUITOES LIFE CYCLE OF MOSQUITOES	SYMPTOMS OF MALARIA,DENGUE,CHIKUN GUNYA DIFFERENT STAGES IN THE LIFE CYCLE OF MOSQUITOES	
SEPTEMBER	CHAPTER 8 – A TREAT FOR MOSQUITOES (Continued...)	ANAEMIA	SYMPTOMS ,CAUSES AND PREVENTIVE MEASURES
		ALGAE	ROLE OF ALGAE IN OUR ECOSYSTEM
SEPTEMBER	CHAPTER 5 SEEDS AND SEEDS	STRUCTURE OF A SEED	PARTS AND USES OF SEEDS
		GERMINATION OF SEEDS	CONDITIONS NEEDED FOR SPROUTING OF SEEDS
		INSECTIVOROUS PLANTS	PITCHER PLANT
		TYPES OF SEEDS BASED ON THEIR APPEARANCE AND USE	DIFFERENT TYPES OF SEEDS HAVE DIFFERENT USES.



<b>OCTOBER</b>	5. SEEDS AND SEEDS( Continued....)	DISPERSAL OF SEEDS ORIGIN OF FRUITS AND VEGETABLES IN DIFFERENT COUNTRIES	AGENTS THAT HELP IN SEED DISPERSAL
<b>TERM END EVALUATION 1 (OCTOBER 18-OCTOBER 30) CHAPTER 3- FROM TASTING TO DIGESTING ,CHAPTER 15- BLOW HOT BLOW COLD, CHAPTER 8 – A TREAT FOR MOSQUITOES</b>			
<b>NOVEMBER</b>	<b>CHAPTER 19 -A SEED TELLS A FARMER'S STORY</b>	STORAGE AND PROTECTION OF SEEDS	TRADITIONAL METHOD OF STORAGE OF SEEDS
		TRADITIONAL AND MODERN METHODS OF FARMING	STEPS IN FARMING
<b>CHAPTER 12- WHAT IF IT FINISHES ? (ORAL )</b>			
<b>DECEMBER</b>	<b>CHAPTER 4 - MANGOES ROUND THE YEAR</b>	FOOD SPOILAGE- ROLE OF MICROBES AND FOOD PRESERVATION	METHODS OF FOOD PRESERVATION, BREAD MOULD
		INFORMATION ON FOOD PACKETS (WEIGHT,DATE AND EXPIRY DATE)	
<b>JANUARY</b>	<b>MID TERM EVALUATION 2,( January 3 to January 10) CHAPTER 5- SEEDS AND SEEDS, CHAPTER -19 A SEED TELLS A FARMER'S STORY</b>		
	<b>CHAPTER 7 - EXPERIMENTS WITH WATER</b>	WHAT FLOATS WHAT SINKS	FLOATING AND SINKING OF OBJECTS IN WATER
		WHAT DISSOLVED AND WHAT DID NOT	SOLUBLE AND INSOLUBLE SUBSTANCES
		RACING DROPS	FLOW OF LIQUIDS
	EVAPORATION OF WATER	MAKING OF SALT FROM SEA WATER	
<b>FEBRUARY</b>	<b>CHAPTER 21- LIKE FATHER LIKE DAUGHTER</b>	INHERITED AND ACQUIRED TRAITS	CHARACTERISTICS PASSED FROM PARENTS TO OFFSPRING
		IDENTICAL TWINS AND NON IDENTICAL TWINS GREGOR MENDEL- FATHER OF GENETICS	MENDEL'S EXPERIMENT WITH GARDEN PEA
<b>MARCH</b>	<b>FINAL EXAMINATION( MARCH 10- MARCH 21 )CHAPTER 4- MANGOES ROUND THE YEAR, CHAPTER 7-EXPERIMENTS WITH WATER,CHAPTER 21-LIKE FATHER LIKE DAUGHTER</b>		

	NAME OF THE TEACHER	NAME OF THE SCHOOL	SIGNATURE
	1. JIJI GEORGE	BVM,ELAMAKKARA	
	2.ANURADHA T V	BAY,KAKKANAD	
	3.SUNITHA S NAIR	BMV , THIRUVAMKULAM	
	4.KRISHNAPRIYA K	BVM,EROOR	
	5.S ASWATHY VASUDEVAN	BVM,GIRINAGAR	
	6.MAYADEVI S	BVV , THRIKKAKARA	
	7.GREETA JAMES	ENV,VELLOOR	



BHARATIYA VIDYA BHAVAN, KOCHI  
SCHEME OF WORK FOR THE YEAR 2024-2025

CLASS	V				
SUBJECT	GENERAL SCIENCE				
MONTH	JUNE				
TOPIC	CHAPTER 1 SUPER SENSES				
COMPETENCIES	OBSERVES AND DESCRIBES DIVERSITIES AMONG PLANTS, BIRDS AND ANIMALS IN THEIR IMMEDIATE ENVIRONMENT. (SHAPE, SOUNDS, FOOD HABITS, GROWTH, HABITAT)				
SUBTOPICS	CONCEPTS	COMPETENCIES	LEARNING OUTCOMES	COGNITIVE LEVELS AS PER BLOOM'S TAXONOMY	ASSESSMENT FOR LEARNING
SENSE OF SMELL	DIFFERENT SENSE ORGANS AND SUPER SENSES IN DIFFERENT ANIMALS	CG.4.1	Explains the super senses of animals.	Analyze - Strategic thinking	How do mosquitoes find humans?
SENSE OF SIGHT	SUPER SENSE OF VISION IN SOME ANIMALS HOW DO ANIMALS SEE COLOURS?		Applies the knowledge in different situations.	Apply - Skills and Concepts	Compare the vision in humans and birds
SENSE OF HEARING	COMMUNICATION IN ANIMALS		Understands the different methods by which animals communicate	Understands - Recall and Reproduction. (	How do dolphins communicate?
SLEEPING PATTERNS OF ANIMALS	SLEEPING PATTERN OF COW, GIRAFFE, PYTHON, LIZARD AND SLOTH		Analyse the sleeping pattern of few animals	Analysis - Strategic thinking	Represent the sleeping pattern of any three animals in pie chart

ENDANGERED ANIMALS	ANIMALS AND THEIR PARTS FOR WHICH THEY ARE HUNTED		Realizes the need to protect the endangered animals	Realizes - Recall and Reproduction.	What is the importance of National Park?
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CLASS	V				
SUBJECT	GENERAL SCIENCE				
MONTH	JULY				
TOPIC	CHAPTER 3. FROM TASTING TO DIGESTING				
COMPETENCIES	Describes the basic safety needs and protection(health and hygiene,food and water) of humans ,birds and animals				
SUBTOPICS	CONCEPTS	COMPETENCIES	LEARNING OUTCOMES	COGNITIVE LEVELS AS PER BLOOM'S TAXONOMY	ASSESSMENT FOR LEARNING
TASTE BUDS AND IMPORTANCE OF SALIVA	ROLE OF TASTE BUDS AND IMPORTANCE OF SALIVA	CG.3(3.1)	Identifies taste of different food items	Knowledge-Recall and Reproduction	Why is it important to chew the food?
IMPORTANCE OF GLUCOSE DRIP	INSTANT ENERGY		Explains the importance of glucose drip	Explains- Recall and Reproduction.	Why do doctors advise glucose to a weak person?
BALANCED DIET	HEALTHY FOOD Vs JUNK FOOD		Compare junk food and healthy food.	Compares- Extended Thinking	Prepare a balanced diet.
MID TERM EVALUATION 1(JULY 31 TO AUGUST 7 ) CHAPTER 1-THE SUPER SENSES,CHAPTER 3 - FROM TASTING TO DIGESTING					



CLASS	V				
SUBJECT	GENERAL SCIENCE				
MONTH	AUGUST				
TOPIC	CHAPTER 15. BLOW HOT BLOW COLD				
	CHAPTER 2. A SNAKE CHARMER'S STORY(ORAL)				
COMPETENCIES	Explores natural and social environment in their surroundings				
SUBTOPICS	CONCEPTS	COMPETENCIES	LEARNING OUTCOMES	COGNITIVE LEVELS AS PER BLOOM'S TAXONOMY	ASSESSMENT FOR LEARNING
BLOWING OF HOT AIR AND COLD AIR	BLOWING OF AIR TO MAKE THINGS HOT/COLD	C-1.3	Experiment with simple objects.	Apply- Skill and Concepts	Explain any two methods to cool hot soup.
THINGS THAT WORK WITH THE MOVEMENT OF AIR	WIND INSTRUMENTS		Construct simple instruments	Apply- Skill and Concepts	How sound is produced in a flute?
BREATHING RATE AND HEART BEAT	INHALATION AND EXHALATION  BREATHING RATE, USE OF STETHOSCOPE		Differentiate inhalation and exhalation Describes breathing rate	Analysis- Strategic thinking	Compare the the normal breathing rate and breathing rate after exercise

CLASS	V				
SUBJECT	GENERAL SCIENCE				
MONTH	AUGUST				
TOPIC	CHAPTER 8, A TREAT FOR MOSQUITOES				
COMPETENCIES	Explains how to ensure the safety of self and others in different situations				
SUBTOPICS	CONCEPTS	COMPETENCIES	LEARNING OUTCOMES	COGNITIVE LEVELS AS PER BLOOM'S TAXONOMY	ASSESSMENT FOR LEARNING
DISEASES SPREAD BY MOSQUITOES-	MALARIA-SYMPTOMS	C-3.3	Applies the knowledge in daily life situation	Apply- Skill and Concepts	List out few measures to prevent the growth of mosquitoes
LIFE CYCLE OF MOSQUITOES	DIFFERENT STAGES IN THE LIFE CYCLE OF MOSQUITOES		Identify the different stages in the life cycle of mosquitoes	Knowledge-Recall and Reproduction	Draw a flow chart showing the life cycle of mosquitoes

CLASS	V				
SUBJECT	GENERAL SCIENCE				
MONTH	SEPTEMBER				
TOPIC	CHAPTER 8, A TREAT FOR MOSQUITOES				
COMPETENCIES	Explains how to ensure the safety of self and others in different situations				
SUBTOPICS	CONCEPTS	COMPETENCIES	LEARNING OUTCOMES	COGNITIVE LEVELS AS PER BLOOM'S TAXONOMY	ASSESSMENT FOR LEARNING
ANAEMIA	SYMPTOMS, CAUSES AND PREVENTIVE MEASURES	CG-3.1	Identifies the cause of anaemia and list out the preventive measures	Apply- Skill and Concepts	How can we overcome the condition of anaemia?
ALGAE	ALGAE		Explains the role of algae in our ecosystem	Understands- Recall and Reproduction.	Mention the role of algae in mosquito breeding



CLASS	V				
SUBJECT	GENERAL SCIENCE				
MONTH	September				
TOPIC	<b>CHAPTER 5 SEEDS AND SEEDS</b>				
COMPETENCIES	Understands the interdependence in their environment through observation and experiences.				
SUBTOPICS	CONCEPTS	COMPETENCIES	LEARNING OUTCOMES	COGNITIVE LEVELS AS PER BLOOM'S TAXONOMY	ASSESSMENT FOR LEARNING
STRUCTURE OF A SEED	Parts of a seed	C-2.1	Identifies different parts of a seed	Apply- Skill and Concepts	Draw and label the parts of a seed
GERMINATION OF SEEDS	Conditions for germination		List out the conditions for germination	Analysis Strategic thinking	What are the necessary conditions for germination?
INSECTIVOROUS PLANTS	Pitcher plant		Explains how pitcher plants trap insects.	Understands- Recall and Reproduction.	How pitcher plants trap insects.
TYPES OF SEEDS BASED ON THEIR APPEARANCE AND USE	Different seeds and their uses		List out the names of seeds used as vegetables, fruits, spices and grains	Analysis- strategic thinking	Classify different seeds as vegetables, fruits, spices and grains

CLASS	V				
SUBJECT	GENERAL SCIENCE				
MONTH	OCTOBER				
TOPIC	SEEDS AND SEEDS				
COMPETENCIES	Understands the interdependence in their environment through observation and experiences.				
SUBTOPICS	CONCEPTS	COMPETENCIES	LEARNING OUTCOMES	COGNITIVE LEVELS AS PER BLOOM'S TAXONOMY	ASSESSMENT FOR LEARNING
DISPERSAL OF SEEDS ORIGIN OF FRUITS AND VEGETABLES IN DIFFERENT COUNTRIES	AGENTS THAT HELP IN SEED DISPERSAL  IMPORTANCE OF SEED DISPERSAL	C-2.1	Point out the different agents of dispersal  Explains the importance of seed dispersal	Analysis-strategic thinking  Evaluate-Extended thinking	Name two features of seeds which are dispersed by wind.  Seed dispersal is important, give reason.
TERM END EVALUATION( OCTOBER 18- OCTOBER 30, CHAPTER.3 FROM TASTING TO DIGESTING, CHAPTER, 15 BLOW HOT, BLOW COLD, CHAPTER 8 – A TREAT FOR MOSQUITOES					

CLASS	V				
SUBJECT	GENERAL SCIENCE				
MONTH	NOVEMBER				
TOPIC	19.A SEED TELLS A FARMER'S STORY				
COMPETENCIES	Understands the interdependence in their environment through observation and experiences.				
SUBTOPICS	CONCEPTS	COMPETENCIES	LEARNING OUTCOMES	COGNITIVE LEVELS AS PER BLOOM'S	ASSESSMENT FOR LEARNING



				TAXONOMY	
STORAGE AND PROTECTION OF SEEDS	TRADITIONAL METHOD OF STORAGE OF SEEDS	C-2.1	Compares the traditional and modern methods of seed storage	Understands- Recall and Reproduction.	Explain different methods by which seeds are stored in olden days
TRADITIONAL AND MODERN METHODS OF FARMING	TRADITIONAL AND MODERN METHODS OF FARMING	C-2.1	Explains the advantages of modern farming	Understands- Recall and Reproduction.	What are the modern methods of farming?
CHAPTER 12- WHAT IF IT FINISHES ? (ORAL )					

CLASS	V				
SUBJECT	GENERAL SCIENCE				
MONTH	DECEMBER				
TOPIC	CHAPTER 4 - MANGOES ROUND THE YEAR				
COMPETENCIES	Explains how to ensure the safety of self and others in different situations				
SUBTOPICS	CONCEPTS	COMPETENCIES	LEARNING OUTCOMES	COGNITIVE LEVELS AS PER BLOOM'S TAXONOMY	ASSESSMENT FOR LEARNING
FOOD SPOILAGE- ROLE OF MICROBES AND FOOD PRESERVATION	METHODS OF FOOD PRESERVATION, BREAD MOULD	C-3.1	Observes and identify spoiled food item	Apply- Skill and Concepts	Why salt and oil are added to make pickles?
INFORMATION ON FOOD PACKETS(WEIGHT, DATE, EXPIRY DATE)	IMPORTANCE OF EXPIRY DATE		Applies the knowledge in daily life situation		List out any three information that you see in a food packet.

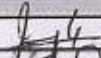
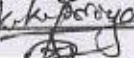




**MID TERM EVALUATION 2,( Jan 3 to 10) CHAPTER 5 SEEDS AND SEEDS, 19- A SEED TELLS A FARMER'S STORY**

CLASS	V				
SUBJECT	GENERAL SCIENCE				
MONTH	JANUARY				
TOPIC	CHAPTER 7 - EXPERIMENTS WITH WATER				
COMPETENCIES	Understands the interdependence in their environment through observation and experiences				
SUBTOPICS	CONCEPTS	COMPETENCIES	LEARNING OUTCOMES	COGNITIVE LEVELS AS PER BLOOM'S TAXONOMY	ASSESSMENT FOR LEARNING
WHAT FLOATS WHAT SINKS	FLOATING AND SINKING OF OBJECTS IN WATER	C-2.1	Compares the objects that float and sink in water	Understands- Recall and Reproduction.	What will happen if you put an empty plastic bottle in water? Give reason
WHAT DISSOLVED AND WHAT DID NOT	SOLUBLE AND INSOLUBLE SUBSTANCES		Differentiate soluble and insoluble substances	Analysis- Strategic thinking	Give examples for soluble and insoluble substances.
RACING DROPS	FLOW OF LIQUIDS		Develop scientific attitude after conducting experiments	Create- Extended learning	Write the observations for the experiment with honey and water.
EVAPORATION OF WATER	MAKING OF SALT FROM SEA WATER		Explains how salt is made from sea water	Understands- Recall and Reproduction.	What are the steps involved in the preparation of salt from sea water?



SUBJECT	GENERAL SCIENCE				
MONTH	FEBRUARY				
TOPIC	CHAPTER 21 -LIKE FATHER LIKE DAUGHTER				
COMPETENCIES	Explores the natural and social environment in their surroundings				
SUBTOPICS	CONCEPTS	COMPETENCIES	LEARNING OUTCOMES	COGNITIVE LEVELS AS PER BLOOM'S TAXONOMY	ASSESSMENT FOR LEARNING
INHERITED AND ACQUIRED TRAITS	HEREDITY TRAIT	C-1.2	Distinguish inherited and acquired traits	Analysis-Strategic thinking	Give examples for inherited and acquired traits.
IDENTICAL TWINS AND NON IDENTICAL TWINS	DIFFERENCE BETWEEN IDENTICAL TWINS AND NON IDENTICAL TWINS		Define identical and non identical twins	Understand-Recall and Reproduction	Who are identical twins?
MENDEL- FATHER OF GENETICS	MENDEL'S EXPERIMENT WITH GARDEN PEA		Generalize the idea of heredity	Analysis-Strategic thinking	Why did Mendel select a pea plant for his experiment?

SUBJECT	GENERAL SCIENCE				
MONTH	MARCH				
TOPIC	REVISION				
FINAL EXAMINATION( MARCH 10- 21 )CHAPTER 4- MANGOES ROUND THE YEAR, CHAPTER 7-EXPERIMENT WITH WATER,CHAPTER 21-LIKE FATHER LIKE DAUGHTER					

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	1. JIJI GEORGE	BVM,ELAMAKKARA	
	2.ANURADHA T V	BAV,KAKKANAD	
	3.SUNITHA S NAIR	BMV , THIRUVAMKULAM	
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	5.S ASWATHY VASUDEVAN	BVM,GIRINAGAR	
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	7.GREETA JAMES	BNV,VELLLOOR	



**BHARATIYA VIDYA BHAVAN, KOCHI**

**ACTIVITY – CLASS 5, 2024-2025**

MONTH	CHAPTER	ACTIVITY
JUNE	1.SUPER SENSES	1. Draw pictures showing the position of eyes of three different birds.
		2.Make your own language of sounds for giving messages without using any words.
		3.Interdisciplinary project - Students mark the sleeping time of some animals on a 24-hour clock .
JULY	3.FROM TASTING TO DIGESTING	1.GROUP ACTIVITY - Identify and recognize taste and smell of different food items.
		2.ART INTEGRATION - Draw a tongue and label taste buds that help to identify different tastes
AUGUST	2.A SNAKE CHARMER'S STORY	1.Make a puppet snake.
	15.BLOW HOT BLOW COLD	1.Balloon experiment - To show that air occupies space and air has weight.
		2.Make a paper whistle.
		3.Make a paper snake to understand the direction of flow of air
	4.Collect information and pictures about different wind instruments.	
SEPTEMBER	8.A TREAT FOR MOSQUITOES	1.Draw and label the life cycle of a mosquito
		2.Role play related to Anaemia and its prevention
		3.Poster Making-Preventive measures of diseases spread by mosquitoes.
	5.SEEDS AND SEEDS	1. Draw and label the parts of a seed
OCTOBER	5.SEEDS AND SEEDS	2. Seed germination

NOVEMBER	19. A SEED TELLS FARMER'S STORY  12. WHAT IF IT FINISHES	1. Collect information about the crops grown in your area. 2. Create a picture album of different tools used in agriculture.  GD-conservation of fuels
DECEMBER	4. MANGOES ROUND THE YEAR	1. Write down the recipe of making mango jelly/pickle/jam (any one) 2. Collect information given on food packets- date of manufacture and expiry etc.
JANUARY	7. EXPERIMENTS WITH WATER	1. Activity performed to check whether objects like plastic bottle, soap case aluminum foil float or sink in water  2. Experiment with honey and water
FEBRUARY	21. LIKE FATHER LIKE DAUGHTER	1. Constructs a family tree which includes pictures and name of the members of their first and second generation

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1. JJI GEORGE	BVM,ELAMAKKARA	
2. ANURADHA TV	BAV,KAIRANAD	
3. SUNITIA B NAIR	BMV , THIRUVAMKULAM	
4. KRISHNAPRIYA K	BVM,EROOR	
5. S ASWATHY VASUDEVAN	BVM,GIRINAGAR	
6. MAYADEVI S	BVV , THRIKAKKARA	
7. GREETA JAMES	BNV,VELLOOR	