

TOPIC: A TREAT FOR MOSQUITOES

Pre-Content/content Post-Content	Learning Outcome/Objectives	
<u>Pre content</u>	General	Specific
A brain storming session will be conducted in which teacher will test their previous knowledge by asking the following questions: (a) How do you feel when you are sick ? (b) How do you come to know about the cause of your sickness ? Content: Diseases caused by mosquitoes. Symptoms and treatment of Malaria. Communicable and non-communicable diseases. <u>Post Content</u> Students will be able to correlate the importance of hygiene and sanitation.They will be able to understand the importance of eating healthy food too.	Students will be able to : • list some diseases. • explore the causes of those diseases • recall the diseases caused by malaria and identify the cause and symptoms of malaria. • explore that malaria is more common during rainy season. • recall some communicable and non-communicable diseases • list some diseases that are caused due to the deficiency of nutrients.	Students will be able to: • categorize them in communicable and non – communicable diseases. • list the steps to improve hygiene and sanitation around them to avoid such diseases. • correlate mosquito breeding with malaria and comprehend how malaria spreads? • list the steps to be taken to prevent malaria and some other diseases caused by flies and other insects. • differentiate between communicable and non-communicable diseases. • recall that non-communicable diseases can be caused due to deficiency of nutrients.

Home Work /Assignments: Read the lesson and complete the exercises given in the book.

Collect pictures of people suffering from some deficiency diseases and write about their treatment.

Bring one copy of a blood test report for class activity.

Complete the Question/ Answers and assignments given in class.

Teacher's Activity	Students' Activity	Teacher's Observation and Remedial action taken
Teacher will conduct the brainstorming session and write the answers given by students on the board and then will ask them to categorize in communicable and non-communicable diseases. Experiential Learning. Annexure 8A conduct an activity to show that how malaria spreads. show the picture illustrating the life cycle of a mosquito and afterwards students will be asked to arrange the stages in proper sequence in the form of a flow chart. divide students into 4 groups and give them a task to make informative posters on the prevention of Malaria. explain the difference between communicable and non-communicable diseases. show a sample blood report of a person suffering from anaemia; the causes and symptoms of anaemia will be discussed as given on page 69.	Students will categorize diseases in communicable and non-communicable diseases. Also they will write the steps to improve the sanitation and hygiene around them to avoid such diseases. Annexure 8 a Perform the activity and write their observations in the observation table. draw the life cycle of mosquito and they will draw the flow chart of the same as well. collect information regarding prevention of malaria and make their masterpieces and paste it in their notebooks. try to differentiate the diseases in communicable and non-communicable diseases bring a blood report (of anyone at home) and discuss the result. They will observe the Hemoglobin count and write the count for any 5 people of their class and analyse that diseases can be caused due to the deficiency of iron as well.	

Teaching Aids: - : Pictures of mosquitoes, reports of pathological lab, material used in activity kits.

Methodology/Innovative Methods: Known to unknown, Discussion, Audio Visuals, Demonstration, Activity and project method.

Interdisciplinary Links: Life skills- students will learn about health and wellness.

HOD

COORDINATOR

HEADMISTRESS

PRINCIPAL

Annexure 8(A & a)

Activity Number-8

Mosquito Bite

<u>SUBJECT</u>	<u>EVS</u>
<u>CLASS</u>	<u>V</u>
<u>CHAPTER</u>	<u>A TREAT FOR MOSQUITOES</u>
<u>TOPIC</u>	<u>HOW MALARIA SPREADS</u>
<u>TIME</u>	<u>30 MINS</u>
<u>NATURE OF ACTIVITY</u>	<u>INDIVIDUAL ACTIVITY</u>

What will I learn ? (Learning Outcome)

To explore how malaria spreads and what causes malaria

Skills- Comprehending, Analyzing, Applying & Creating

What I have to do ? :

Correlate mosquito breeding with malaria and comprehend how malaria spreads through hands-on activity

What do I require ?:

A cut out of mosquito, dropper, 3 plastic glasses numbered as 1,2,3 and 4, skin colour modeling clay, red ink, sparkle

What do I need to know ? :

About communicable and non-communicable diseases

Teacher's Activity (Demonstration): Teacher will:

1. explain the concept of communicable diseases and malarial parasite *Plasmodium*.
2. Stick cut out of mosquito on dropper.
3. Pour water into plastic glass no. 1 (represents the mosquito's blood)
4. Fill dropper partially with water from glass no.1 which represents the blood of mosquito.
5. Take two plastic glasses numbered as 2 and 3 and spread a layer of clay over the outer surface of glasses to represent it as human skin.
6. Add red colour water to glass no. 2 and glass no.3.
7. Add sparkles to glass no.2.

NOTE

Glass no.3 represents blood of healthy human

Glass no. 2 represents infected person's blood.(due to the presence of malarial parasite)

8. Fill the dropper with the liquid in glass no.2 and observe the change in colour of the dropper.
9. Release the liquid of dropper into glass no.3 which is healthy person's blood and write down the observation in the table.
10. Tell students that infected blood with sparkles (representing malaria parasite) is mixed with healthy blood and now even the healthy person is infected with malaria due to transfer of malarial parasite.

How will I proceed ?

Students' activity: Students will:

1. Stick cut out of mosquito on dropper.
2. Pour water into plastic glass no. 1 (represents the mosquito's blood)
3. Fill dropper partially with water from glass no.1 .
4. Take two plastic glasses numbered as 2 and 3 and spread a layer of clay over the outer surface of glasses.
5. Add red colour water to glass no. 2 and glass no.3.
6. Add sparkles to glass no.2.
7. Fill the dropper with the liquid in glass no.2 and write down the observation.
8. Release the liquid of dropper into glass no.3 which is healthy person's blood and write down the observation.

What have I observed ? :

Step Number	Change of colour of Liquid		Conclusion
	Initial	Final	
7	Transparent		
8	Red colour	Red Colour with Sparkles	

What have I learnt ? :

Causes, symptoms and preventive measures of Malaria.

What am I curious to learn?

Let's explore the causes, symptoms and prevention of other diseases like Dengue and Chikungunya

Let me evaluate myself

Q1. Name the causative organism of malaria.

Q2. How does a person get malaria?

Q3. How does a person get to know if he is suffering from Malaria?

Q4. What symptoms does a person suffering from malaria show?

Q5. How can you protect yourself from mosquito bites?

Q6. For what discovery was Ronald Ross awarded the Noble Prize?
