MODULE 4:
DENGUE

DENGUE

To know more about dengue and how to reduce the risk of dengue infection. There are no specific medications to treat dengue, and there is no commercially available vaccine against the disease. Therefore, prevention is the most important step for reducing the risk.

CONTENTS

STORYTELLING

THE SICK DAY

Activity

Read and discuss "Captain Green: The Sick Day" with the class.

General Objectives

- Students learn how dengue is spread.
- Students learn how dengue can be prevented.

Materials

- "Captain Green: The Sick Day" storybook

HOW TO CONDUCT

1. Ask the class to gather around.
2. Start reading the storybook.

QUESTIONS TO ASK AFTER THE SESSION

1. What happened to the main character in the story?
2. How do people get sick?
3. What can you do to stay healthy?

FACTS TO SHARE

Dark clothing attracts mosquitoes. Remember, they are drawn to heat and darker clothes retain more heat than light-colored clothing!

STORYTELLING

LIFE CYCLE OF MOSQUITOES

Activity

Discuss the life cycle of an *Aedes* mosquito.

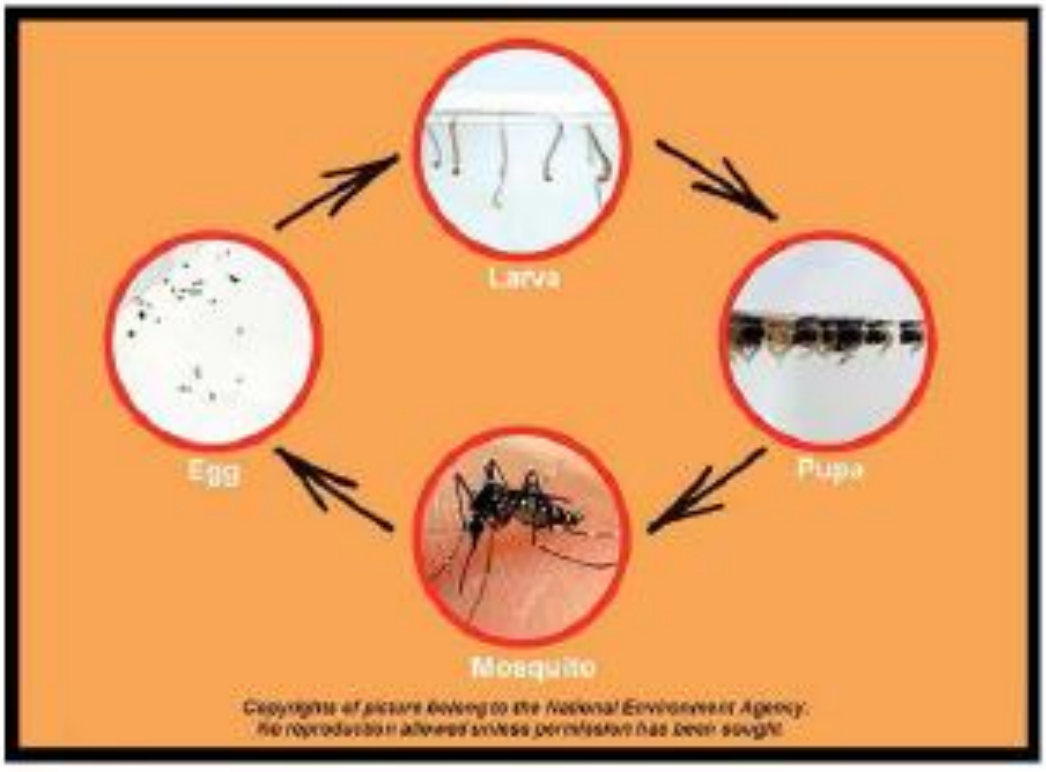
General Objectives

- Students to be able to draw the life cycle of an *Aedes* mosquito.
- Students to be able to state each part of the life cycle of an *Aedes* mosquito.

Materials

- Teacher can refer to "Life Cycle of an *Aedes* mosquito" diagram. Videos on *Aedes* mosquito can be found at https://www.youtube.com/user/OperationMACE

Life Cycle of an *Aedes* Mosquito



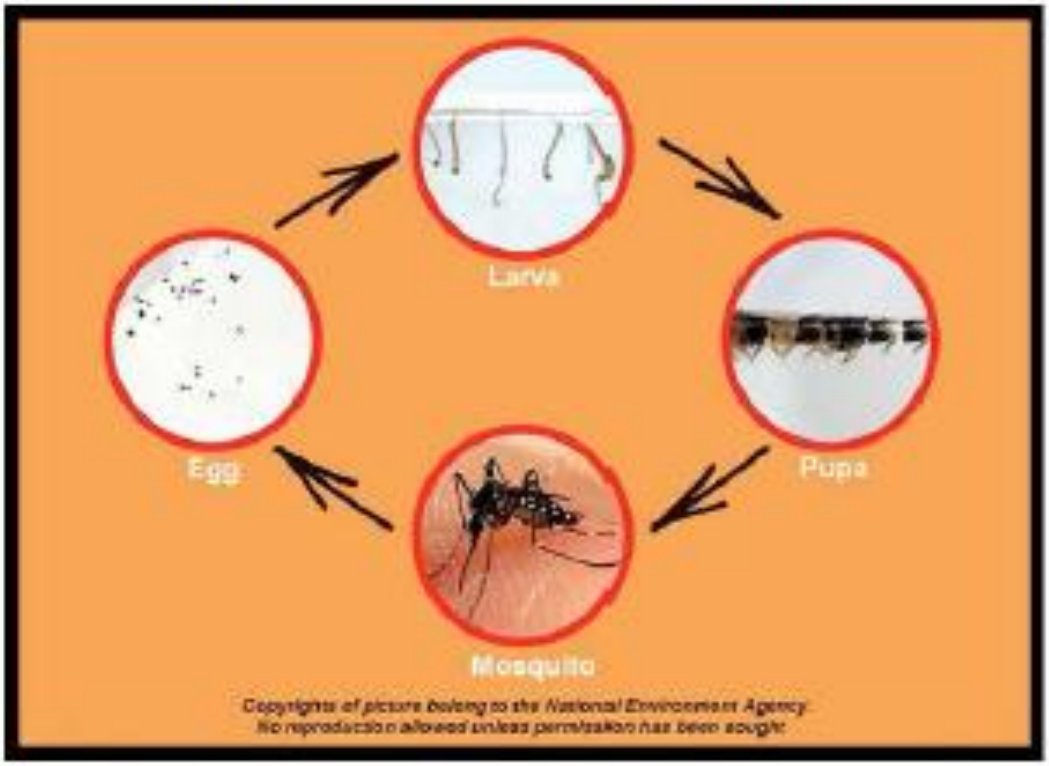
HOW TO CONDUCT

1. Ask the class to gather around.
2. Discuss the life cycle of the *Aedes* mosquito.

QUESTIONS TO ASK AFTER THE SESSION

1. What is dengue?
2. What are the symptoms of the disease?
3. What can be done to reduce the risk of acquiring dengue?

Life Cycle of an *Aedes* Mosquito



SONG

DO THE MOZZIE WIPEOUT

Activity

Learn the Mozzie Wipeout steps through a fun song.

General Objectives

- Show students the "5-step Mozzie Wipeout" video.
- Discuss with students the purpose of the Mozzie Wipeout.
- Help students use their memory skills to remember the song.

Materials

- "Do the Mozzie Wipeout" lyrics can be found on page 97.

Note for Teachers

After the activity, students are encouraged to practise singing the song at home as it might be sung again in school on other occasions.

Parents can refer to "A Quest to Save the Edmoral Kingdom" on "Smack Little Mozza" found on page 29 to conduct storytelling with their children.

HOW TO CONDUCT

1. Discuss the 5-step Mozzie Wipeout.
2. Watch the "Do the 5-step Mozzie Wipeout" video: https://youtu.be/9UDJvhaWBGw
3. Teach them to sing the song "Do the Mozzie Wipeout" to the tune of "If You're Happy and You Know It".

QUESTIONS TO ASK AFTER THE SESSION

1. Do you know anyone who has contracted dengue before?
2. What are the places where you commonly see mosquitoes?

FACTS TO SHARE

To prevent the spread of dengue fever, you must first prevent the breeding of its vector, the *Aedes* mosquito. The *Aedes* mosquito is easily identifiable by the distinctive black and white stripes on its body. It prefers to breed in clean, stagnant water easily found in our homes.

DO THE MOZZIE WIPEOUT

Change the water in the vases
and the pails
clap clap (2X)

Change the water in the vases,
change the water in the vases,

Change the water in the vases
and the pails
clap clap

DISCOVERY

LARVAE HUNT

Activity

Let's do the Larvae Hunt together!

General Objectives

- Teach students the 5-step Mozzie Wipeout.
- Discuss with students the purpose of the Mozzie Wipeout.
- Recap the life cycle of the *Aedes* mosquito.

Materials

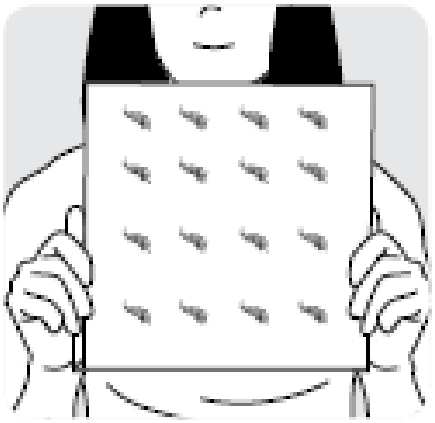
- Template for the larvae can be found on page 101.
- Plate or bucket

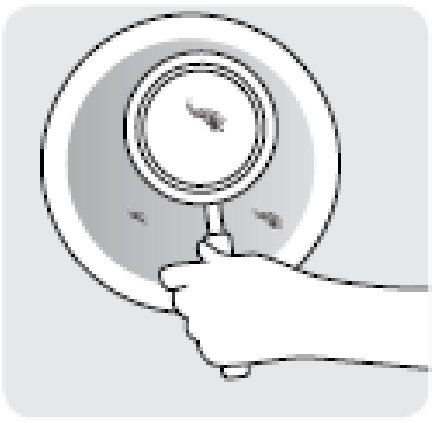
Note for Teachers

Help students to prepare the paper larvae and spread it across the classroom.

HOW TO CONDUCT

1. Recap the life cycle of an *Aedes* mosquito.
2. Show to them that they are going on a larvae hunt.
3. Split students into groups of five and hand each group a magnifying glass.
4. Allow the groups to go around prepared classroom boundaries in search of mosquito larvae.
5. Prepare objects that may collect water and have students overturn them/pour out the water after searching for larvae.
6. Conclude by checking that the larvae count is zero and the school is free of mosquito breeding.



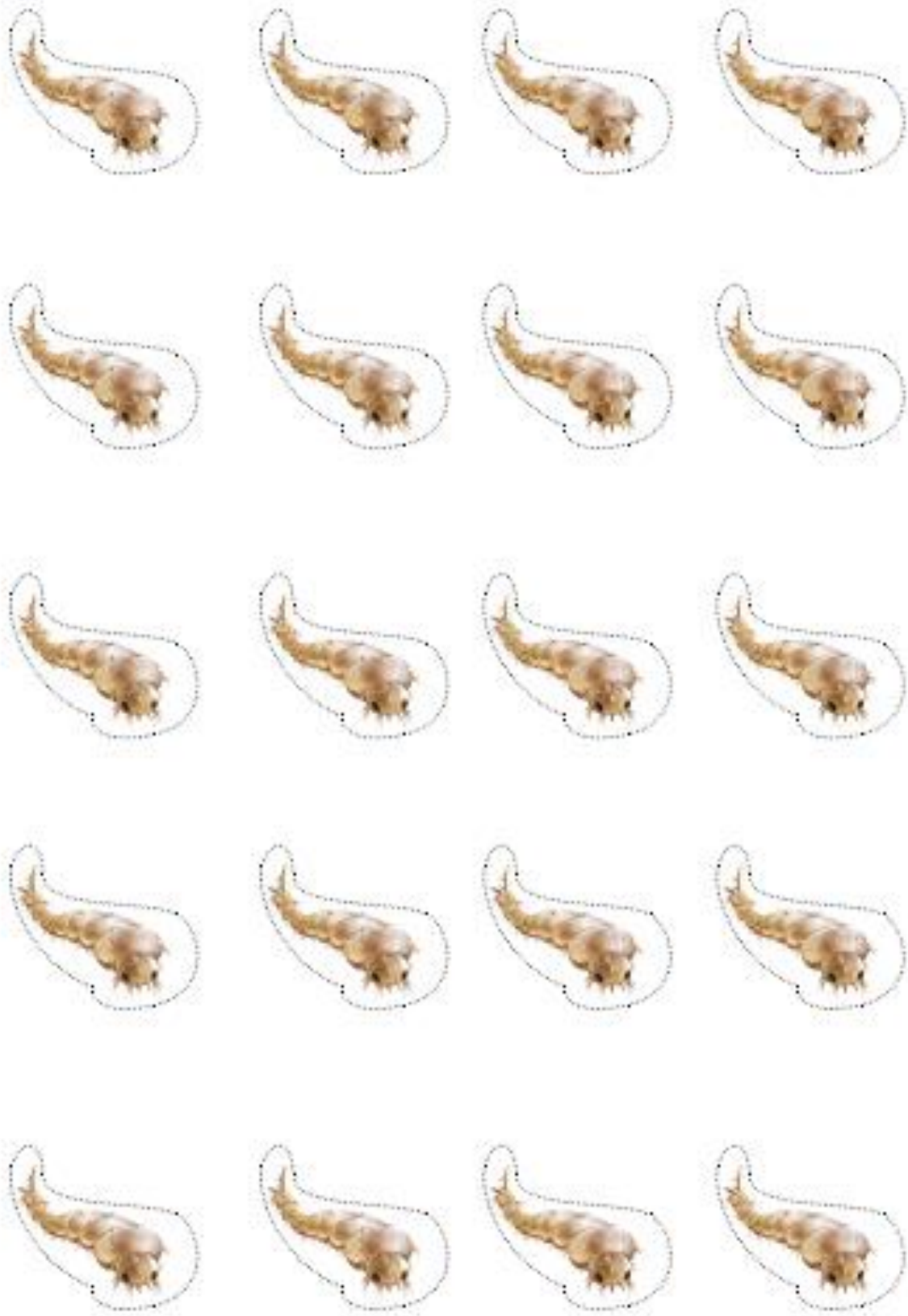


QUESTIONS TO ASK AFTER THE SESSION

1. Did you spot any stagnant water lying around your home?
2. What can you do to prevent mosquitoes from breeding?
3. How long will it take for a larvae to become an adult mosquito?

FACTS TO SHARE

It takes about 7 days for the egg to develop into an adult mosquito, under optimal conditions!



GAMES

FLIP THE CUPS

Activity

A ball relay to show how to prevent stagnant water in containers.

General Objectives

- Teach students about the danger of stagnant water.
- Let students have fun interacting with their classmates.

Materials

- Two buckets/empty boxes
- Paper cups
- Small coloured balls or marbles (to substitute for water).

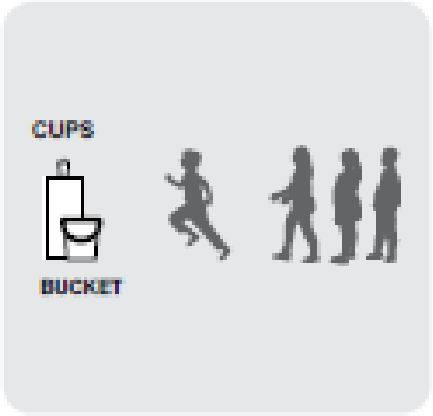
Note for Teachers

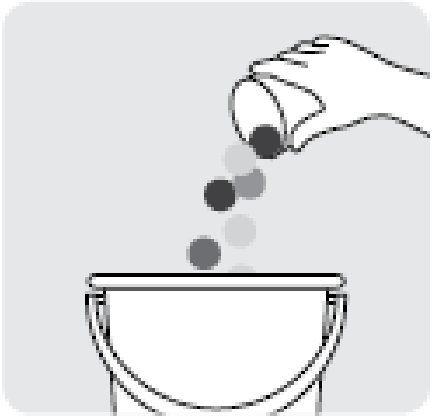
Assist students and set safety rules before commencing the activity so they will not spread paint all over the classroom.

Teachers are also encouraged to show the students the "Operation MACE" videos at https://www.youtube.com/watch?v=KJlIHvBJ2kE

HOW TO CONDUCT

1. Divide the class into two teams and line them up parallel to each other.
2. Fill paper cups with colored balls and place them five metres away from the teams.
3. Each team member will run to get his/her cup filled with coloured balls and then pour them into the empty bucket.
4. The first person in the line will start off with the relay, after which he will go to the end of the line and it will be the next person's turn, and so on.
5. The team who finishes first wins.





QUESTIONS TO ASK AFTER THE SESSION

1. Why is it important to turn over buckets/pails?
2. How often do you empty the buckets/pails in your home?
3. What happens if you leave water in a buckets/pails for a long time?

FACTS TO SHARE

Mosquito breeds in stagnant water and thrives in the urban environment!

GAMES

MOSQUITO TAG

Activity

A game where students will tag each other to simulate a mosquito bite.

General Objectives

- Show students how mosquitoes bite us.
- Let students have fun interacting with their classmates.

Materials

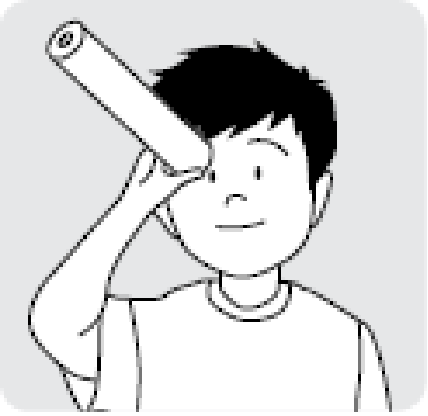
- Pool noodle (can be substituted by any other soft material that is safe)

Note for Teachers

Assist students and set safety rules before commencing the activity so they will not play around/hit their classmates with the pool noodle.

HOW TO CONDUCT

1. One student will be chosen to play the role of mosquito. He will try to tag the rest of the group with the pool noodle held against his forehead.
2. Any player who gets tagged must stop running and needs to pretend that they are sick.
3. Any other two players must touch the tagged player and yell "Clean!" before he/she can rejoin the game.
4. If the class is too big, divide it into batches for this game.



QUESTIONS TO ASK AFTER THE SESSION

1. What can you do to prevent mosquitoes from biting you?
2. What will you do when a mosquito bites you?

FACTS TO SHARE

The bumps from mosquito bites are caused by their saliva!

STORYTELLING

MOZZIES

Activity

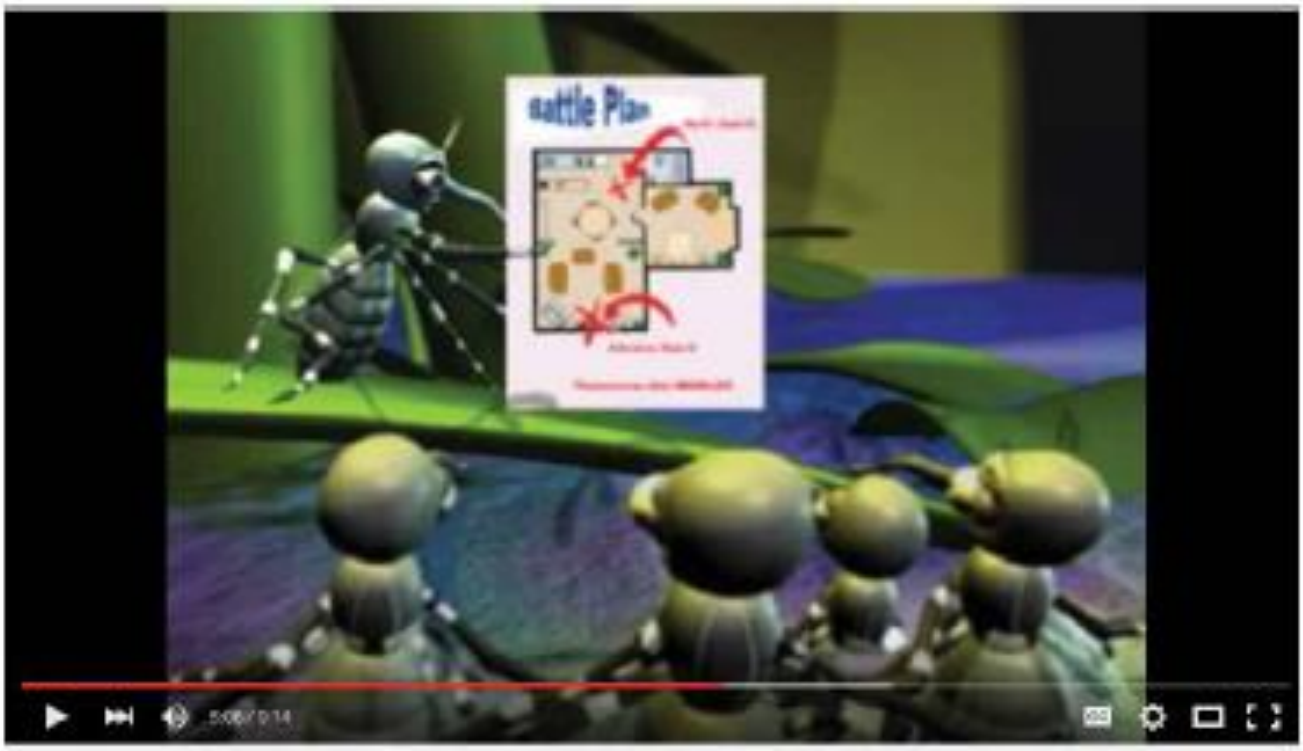
Watch and discuss the "Mozzies" video.

General Objectives

- Students to know the disease an *Aedes* mosquito causes.
- Students to know how to prevent mosquitoes from breeding.

Materials

- Link to "Mozzies" video: http://goo.gl/J0fLrZ



NEA - "Mozzies"(2008)

HOW TO CONDUCT

1. Ask students to share their knowledge on *Aedes* mosquitoes.
2. Show them the "Mozzies" video.
3. Ask each student to talk about one thing they learned from the video.
4. Ask how they can help prevent mosquitoes from breeding.

QUESTIONS TO ASK AFTER THE SESSION

1. What are the distinct features of *Aedes* mosquitoes?
2. Why it is important to prevent the breeding of mosquitos?

FACTS TO SHARE

If you stay in a dengue cluster area, teachers to apply insect repellent or wear long-sleeved shirts and pants!