

Lesson Plan

Grade: Five

Subject: Science

Term: 1st

Time: 40mins

Teacher's Name: _____

Week: 7

Day: 1

Chap 1: Microorganisms

Topic: Disadvantages of decomposers

Students Learning Outcomes:

At the end of this period, the students will be able to:

- Identify the role of microorganisms in decomposition and discuss their harmful and beneficial effects.

Resource Materials:

Chalk/marker, white/blackboard, worksheet, Science Textbook 5

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students: What do you know about the "Useful effects" of decomposers?
- Take their responses.

Teaching & Learning Activities:

25mins

- Tell students today they are going to learn about disadvantages of bacteria.
- Write 'Harmful effects' on the board.
- Tell students microorganisms as decomposers are not only beneficial but also harmful. They spoil food items by the decomposition activity.
- Ask students if they have ever observed mold on bread. Let them respond.
- Tell students they also damage our teeth and form cavities.
- Fruits and vegetables also rot due to the decomposition activity.

Review:

3mins

Revise the lesson by telling the harmful effects of microorganisms as decomposers.

Evaluation:

5mins

To check the understanding of students, ask them:

- What are the harmful effects of microorganisms as decomposers?

Homework:

2mins

Ask students to learn the topic and solve the worksheet.

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Worksheet

Name: _____

Date: _____

Write the role of microorganisms in decomposition.

Useful effects of Decomposers

Disadvantages of Decomposers

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Teacher's Name: _____

Week: 7

Day: 2

Chap 1: Microorganisms

Topic: Diseases caused by microorganisms

Students Learning Outcomes:

At the end of this period, the students will be able to:

- Recognize some common diseases caused by microorganisms of each group.

Resource Materials:

Chalk/marker, white/blackboard, worksheet, Science Textbook 5

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students: What are microbes? Which instrument is used to see microorganisms? Take their responses.

Teaching & Learning Activities:

25mins

- Begin your lesson by telling disease causing microorganisms are known as pathogens. Such diseases are known as Infectious diseases.
- Tell students today they will learn about diseases caused by fungi.
- Place a wallchart on the board and tell student about fungal diseases.
- Make a list of fungal diseases.
 - (1) Ringworm
 - (2) Athlete's foot
 - (3) Smut
 - (4) Rust

Activity 1:

Ask students to search on internet and collect pictures of diseases caused by fungi and paste them in their scrapbook.

Review:

3mins

Revise the names of fungal diseases.

Evaluation:

5mins

To check the understanding of students, ask them:

- What are Pathogens?
- What are Infectious Diseases?

Homework:

2mins

Revise Classwork.

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Teacher's Name: _____

Week: 7

Day: 3

Chap 1: Microorganisms

Topic: Diseases caused by microorganisms

Students Learning Outcomes:

At the end of this period, the students will be able to:

- Recognize some common diseases caused by microorganisms of each group.

Resource Materials:

Chalk/marker, white/blackboard, worksheet, Science Textbook 5

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students about their previous work. Ask them name diseases caused by fungi. Take their responses and appreciate them.

Teaching & Learning Activities:

25mins

- Tell students today they will learn about diseases caused by viruses and bacteria.
- Show them diseases caused by viruses are called viral diseases. These include Polio, Measles, Flu, Hepatitis etc.

Activity 1:

Ask students to paste the pictures of viral diseases in their scrapbook.

Review:

3mins

Recall the main points about lesson.

Evaluation:

5mins

To check the understanding of students, ask them to solve Q (2) of Exercise.

Homework:

2mins

Solve the given worksheet.

Worksheet

Q1. State three salient features of viruses.

Q2. Make list of three diseases caused by viruses.

Q3. Name any five Infectious diseases.

Q4. Name any five diseases caused by bacteria.

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Teacher's Name: _____

Week: 7

Day: 4

Chap 1: Microorganisms

Topic: Diseases caused by bacteria

Students Learning Outcomes:

At the end of this period, the students will be able to:

- Recognize some common diseases of each group caused by microorganisms.

Resource Materials:

Chalk/marker, white/blackboard, worksheet, Science Textbook 5

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them: Name some viral diseases. Take their responses and appreciate them.

Teaching & Learning Activities:

25mins

- Tell students today they will learn about some diseases caused by bacteria. Pneumonia, Tetanus, Typhoid fever and tuberculosis are some diseases caused by bacteria.
- Tell students about the symptoms of tetanus and typhoid.
- In Tetanus, a person feels cramps in the Jaws, Stiffness of muscles, Jerks, Headache, Involuntary muscle tightening and fever.
- A person having typhoid suffers from Stomach pain, Cough, Weakness and loss of appetite. The symptoms of tuberculosis include Coughing, Fever, Chills, loss of appetite and weight loss.

Activity 1:

Ask students to perform activity 2.2 to solve it. Help them if need be.

Review:

3mins

Talk about bacterial diseases. Ask students to open their textbooks and read the content.

Evaluation:

5mins

To check the understanding of students, ask them:

- Name some bacterial diseases.
- What are the symptoms of tuberculosis?

Homework:

2mins

Ask students to learn the topic.

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Teacher's Name: _____

Week: 7

Day: 5

Chap 1: Microorganisms

Topic: Transmission of infectious diseases

Students Learning Outcomes:

At the end of this period, the students will be able to:

- Recognize that microorganisms get transmitted into humans and cause Infectious diseases.

Resource Materials:

Chalk/marker, white/blackboard, worksheet, Science Textbook 5

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask students what do they know about diseases caused by microorganisms.
- Tell diseases caused by viruses, bacteria and fungi. Take their responses and appreciate them.

Teaching & Learning Activities:

25mins

- Tell students today they are going to learn about transmission of Infectious Diseases.
- Tell them infectious diseases spread in a variety of ways.
- Now students have understanding that different pathogens such as bacteria, viruses, fungi spread diseases.
- Discuss with them different modes of transmission of diseases.
- Use a spray bottle containing water and release a single spray in direction of class students.
- Ask students to think about how this activity relates to the spread of Infectious Diseases.

Review:

3mins

Recall the concept of transmission of diseases. Tell them these diseases are transmitted through: Air, Water, Food, Animals, Direct Contact.

Evaluation:

5mins

To evaluate students understanding, ask them about ways through which diseases are transmitted.

Homework:

2mins

Revise the classwork.