

Lesson Plan

Grade: Four

Subject: Science

Term: 2nd

Time: 40min

Teacher's Name: _____

Week: 10

Day: 1

Chapter 7: The Earth and Its Resources

Topic: Forests and Their Importance

Students Learning Outcomes:

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

- Identify some of the Earth's natural resources that are used in everyday life (e.g., water, wind, soil, forests, oil, natural gas, minerals).
- Differentiate between renewable resources and non-renewable resources.

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook, Worksheet

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them: What do you know about Fossils? Wait for their responses and appreciate them for good response.

Teaching and Learning Activities:

25mins

- Write the topic name 'Forests and their importance' on the board.
- Tell students forests are part of land that is covered with trees.
- Tell them forests are essential for life as trees provide us clean air. These are habitats of a variety of animals and plants. They provide us food, medicines, etc. Trees along water bodies prevent flooding. Forests also influence climate change. Unfortunately, humans are cutting forests for agriculture and other purposes.
- Deforestation is causing a habitat loss for animals and plants. It is also affecting environment and becoming a major cause of climate change.
- Divide the students into small groups and provide each group with chart paper and colored pencils or crayons.
- Instruct each group to create a poster illustrating the different benefits of forests discussed during the lesson. Circulate among the groups to offer guidance and answer any questions they may have. Once the posters are complete, have each group present their poster to the class.

Review:

3mins

Explain the main points about the "Forests."

Evaluation:

5mins

To check the students grip, ask them:

- What are forests?
- Why are forests important?

Homework:

2mins

Ask students to learn the topic and solve the given worksheet.

Q1. Label the benefits of forests.

Benefits of
forests

1
Nurture our soils

2
Act as carbon sinks

3
Provide healthy food to millions

4
Are natural aqueducts

5
Host 80% of biodiversity on earth

Lesson Plan

Grade: Four

Subject: Science

Term: 2nd

Time: 40min

Teacher's Name: _____

Week: 10

Day: 2

Chapter 7: The Earth and Its Resources

Topic: Impacts of Human Activities on Natural Resources

Students Learning Outcomes:

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

- Investigate the impact of human activities on the Earth's natural resources.

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them: What do you know about Forests? Why are forests important?
- Wait for their responses and appreciate them for good responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Impacts of Human Activities on Natural Resources' on the board.
- Tell students natural resources are great blessing of Allah (SWT). He provided us with these resources to fulfil our needs.
- They are used to make food, fuel, medicines and other raw materials to produce goods and services.
- But humans are exploiting these resources through different activities.
- Natural resources are being damaged by humans in different ways.
- Human activities such as smoke from burning of fuels, vehicles exhaust, excessive use of fertilizers and insecticides for better crops yield and deforestation are affecting the environment badly.
- Tell the students, due to these factors and activities living things are facing problems such as climate change, pollution, damaging the ozone layer, global warming, shortage of clean drinking water and polluted air to breathe.
- Pollution is addition of harmful substances in environment. Air, water and land are being polluted with different kind of wastes and harmful gases.
- Toxic gases are added in air by burning fossil fuels in vehicles and industries. Water is being polluted by adding harmful chemicals in it. Land is being polluted by spreading garbage.
- Ask students to make a poster how humans are exploiting natural resources? Check their work.

Review:

3mins

Explain the main points about the impacts of human activities on natural resources.

Evaluation:**5mins**

To check the understanding of students, ask them:

- Which human activities are damaging natural resources?
- What is pollution?
- How land, air and water are being polluted?

Homework:**2mins**

Ask students to learn the topic.

Lesson Plan

Grade: Four

Subject: Science

Term: 2nd

Time: 40min

Teacher's Name: _____

Week: 10

Day: 3

Chapter 7: The Earth and Its Resources

Topic: Conservation of Natural Resources

Students Learning Outcomes:

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

- Suggest ways to conserve the natural resources.

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them: What is deforestation? What do you know about animal hunting?
- Wait for their responses and appreciate them for good response.

Teaching and Learning Activities:

25mins

- Write the topic name 'Conservation of natural resources' on the board.
- Tell students in previous class you have learnt how humans are damaging natural resources.
- Natural resources should be consumed with great care because they fulfil our basic needs. If we continue to exploit them, they will diminish and not be available for future generation. Today we will learn how we can save these resources.
- Reduce, reuse and recycle the waste.
- Switch off extra lights and electrical appliances.
- Turn off the tap when not in use.
- Use public transport instead of private transport to save fuel.
- Plant new trees on large scale.
- Stop hunting animals for sport or recreation.
- Spread awareness among people to conserve resources.
- Resources such as wind, rain water and solar energy should be used to generate electricity.
- By doing so we can save natural resources. We will be able to save this planet and our future generations.
- Ask students to collect information about 4R principle (Reduce, Reuse, Refuse and Recycle). Hold an awareness campaign about 4R Principle and conservation of natural resources. Let them respond. Check their work.

Review:

3mins

Explain the main points about the conservation of natural resources.

Evaluation:

5mins

To check the understanding of students, ask them:

- How can we conserve natural resources?
- Why do we need to conserve natural resources?

Homework:

2mins

Ask students to learn the topic. Write the answer of Q4 (ii) of Exercise in their notebooks.

Lesson Plan

Grade: Four

Subject: Science

Term: 2nd

Time: 40min

Teacher's Name: _____

Week: 10

Day: 4

Chapter 6: Force and Motion

Topic: Revision

Objective(s):

- Revise all the concepts of chapter 6.

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook, Worksheet

Teaching and Learning Activities:

10mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Tell students today they are going to revise the chapter. So that they can easily prepare for exams.
- Ask students to revise the topics. Guide them if needed.
- Now arrange them, and distribute worksheet among them.
- Ask them to solve worksheet on time.

Review:

10mins

Check students' worksheet and correct their mistakes.

Evaluation:

0mins

N/A

Homework:

0mins

N/A

Answer the following questions.

i) Define friction.

ii) What is force?

iii) What is gravity?

iv) Define motion.

v) What are effects of friction?

vi) What are simple machines?

Q2. What do you know about gravity?

Q3. How is inclined plane useful?

Lesson Plan

Grade: Four

Subject: Science

Term: 2nd

Time: 40min

Teacher's Name: _____

Week: 10

Day: 5

Chapter 7: The Earth and Its Resources

Topic: Revision

Objective(s):

- Revise all the concepts of chapter 6.

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook, Worksheet

Teaching and Learning Activities:

10mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Tell students today they are going to revise the chapter. So that they can easily prepare for exams.
- Ask students to revise the topics. Guide them if needed.
- Now arrange them, and distribute worksheet among them.
- Ask them to solve worksheet on time.

Review:

10mins

Check student's worksheet and correct their mistakes.

Evaluation:

0mins

N/A

Homework:

0mins

N/A

Q1. Write the between renewable and non-renewable resources.

Renewable Resources

Non-Renewable Resources

Q1. Write short answers.

i) What are fossils?

ii) How are fossils formed?

iii) Differentiate between renewable and non-renewable resources.

Q2. Match the fossil of dinosaur.

