

Lesson Plan

Grade: Five	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name: _____		Week: 1	Day: 1
Chapter 8: Structure of the Earth		Topic: The Earth	

Objective(s):

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

- Describe the structure of the Earth (i.e., crust, mantle, and core) and the physical characteristics of these distinct parts.

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 earth made of? Wait for their responses. Appreciate them for good response.

Teaching and Learning Activities:

25mins

- Write down the topic name 'The Earth' on board.
- Tell the students today we will learn about the Earth.
- The Earth is the third planet from the sun in our solar system.
- Tell students, Earth is our home planet.
- The Earth's surface is covered by about 71% of water.
- About 29% of the earth is land.
- The Earth is the only known planet to support life.
- The Earth has a natural satellite called the Moon.
- Ask the students to open their textbooks and read the contents.

Review:

3mins

Explain the main points about the earth.

Evaluation:

5mins

To check the understanding of students, ask them:

- What do you know about earth?

Homework:

2mins

Ask students to learn the topic.

Lesson Plan

Grade: Five

Subject: Science

Term: 3rd

Time: 40min

Teacher's Name: _____

Week: 1

Day: 2

Chapter 8: Structure of the Earth

Topic: Internal Structure of the Earth

Objective(s):

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

- Describe the structure of the Earth (i.e., crust, mantle, and core) and the physical characteristics of these distinct parts.

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook, Worksheet, Hard boiled egg

Warm-up Activities

5mins

Before beginning the lesson, ask students to say "Tasmiya".

Ask them: What do you know about the earth? Appreciate them for good responses.

Teaching and Learning Activities:

25mins

- Write down the topic name 'Internal Structure of the Earth' on board.
- Tell the students today we will learn about crust.
- Earth is not hollow inside. It has an internal structure.
- Now bring a hard-boiled egg to class. Cut it into half along with its hard shell. Show students three layers of the egg (shell, white and yolk). Compare and relate the egg to internal structure of the Earth and explain it to students.
- Tell students Earth is made up of different layers. These layers are:
 - Crust
 - Mantle
 - Core
- Tell students these layers are classified according to the type of rocks and minerals they are made up of. Tell them about these layers one by one.
- Now write 'Crust' on the board.
- Crust is outer shell of the Earth. It is hard and rocky layer.
- Average thickness of the crust is about 5 to 80 kilometers.
- This is the layer where we live.
- It is covered with soil, water, mountains, sand, forests, etc.
- Crust is mainly of two types, depending on its thickness and composition.
 - Continental crust
 - Oceanic crust

Review:

3mins

Explain the main points about the Crust.

Evaluation:**5mins**

To check the understanding of students, ask them:

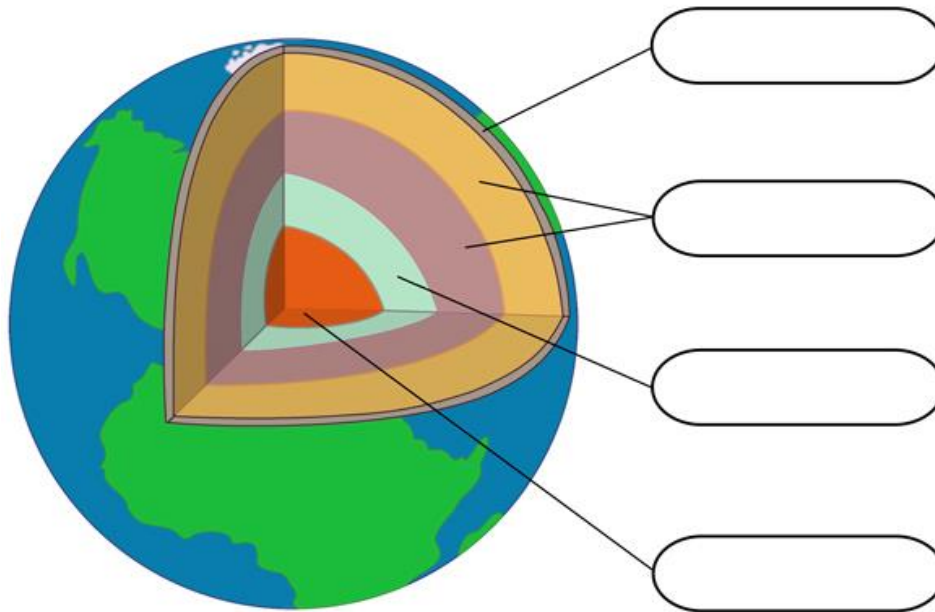
- What is crust?
- List the layers of the earth.

Homework:**2mins**

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

Worksheet

Q1. Label the layers in the structure of the Earth.



Q2. Fill in the blanks

1. The Earth is the _____ planet in the solar system.
2. Earth is made up of _____, _____ and _____.
3. _____ of the Earth's surface is covered with water.
4. _____ of the Earth's is land.
5. It is the only know to here _____ on its surface.

Lesson Plan

Grade: Five

Subject: Science

Term: 3rd

Time: 40min

Teacher's Name: _____

Week: 1

Day: 3

Chapter 8: Structure of the Earth

Topic: Internal Structure of the Earth

Objective(s):

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

- Describe the structure of the Earth (i.e., crust, mantle, and core) and the physical characteristics of these distinct parts.

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 is crust? What is the thickness of the crust? Take their responses.

Appreciate them for good response.

Teaching and Learning Activities:

25mins

- Write down the topic name 'Internal structure of the Earth' on board.
- Tell students today we will learn about the mantle layer.
- Tell students just below crust a layer is present which contains half molten rocks. This layer is called mantle.
- It is thicker and denser than crust. It is up to 2900 kilometers thick.
- It consists of hot and thick, fluid-like material.
- The boundary between crust and mantle is called moho. It is the largest layer within the Earth.
- Mantle is divided into two main parts:
 - Upper mantle
 - Lower mantle

Review:

3mins

Explain the main points about the mantle layer.

Evaluation:

5mins

To check the understanding of students, ask them:

- What is mantle layer?
- What is thickness of mantle layer?

Homework:

2mins

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

Worksheet

Q1. Answer the following questions.

i) What do you know about the earth?

ii) List the layers of the Earth.

iii) What is crust?

iv) What is the thickness of the crust?

v) What is the thickness of mantle?

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Grade: Five

Subject: Science

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Teacher's Name: _____

Week: 1

Day: 4

Chapter 8: Structure of the Earth

Topic: Internal Structure of the Earth

Objective(s):

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

- Describe the structure of the Earth (i.e., crust, mantle, and core) and the physical characteristics of these distinct parts.

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 layers of the Earth? Wait for their responses.

Teaching and Learning Activities:

25mins

- Write down the topic name 'Internal Structure of the Earth' on board.
- Tell students you have learnt about crust and mantle. Today we will learn about third layer of Earth, i.e. core.
- It is center of the Earth. This is the innermost layer.
- It is very hot due to very high temperature.
- The temperature of the core is around 5000°C to 6000°C.
- It has two parts:
 - Outer core
 - Inner core
- Ask students to open their textbooks and do the activity.

Review:

3mins

Explain the main points about core.

Evaluation:

5mins

To check the understanding of students, ask them:

- What is core?
- What is the temperature of the core?

Homework:

2mins

Ask students to learn the topic.

Lesson Plan

Grade: Five

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Teacher's Name: _____

Week: 1

Day: 5

Chapter 8: Structure of the Earth

Topic: Distribution of water on Earth

Objective(s):

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

- Describe the sources of water on Earth.

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 core? Let them respond.

Teaching and Learning Activities:

25mins

- Write down the topic name 'Distribution of water on Earth' on board.
- Tell the student today we will learn about water distribution on earth.
- Tell students Earth is called water planet because of presence of water on it.
- Water is essential for the survival of all living things.
- Just over 70% of Earth is covered with water.
- Water that is available for use is fresh water. About 2% of total water is fresh water. Remaining salt water is found in oceans and seas.
- Tell students most of water on Earth is salty because it contains a large amount of salt in it. This water cannot be used for drinking. It can be used for drinking only after removing its salts through different processes.
- Ask them: How can we change salt water into fresh water?
- Wait for their responses.
- Write the answer on the board: 'We can change salt water into fresh water by removing salt from it.'
- Tell students to write the answer in their notebooks. Check their work.

Review:

3mins

Explain the main points about distribution of water on Earth.

Evaluation:

5mins

To check the understanding of students, ask them:

- What is salt water?
- Which water is used for drinking?

Homework:

2mins

Ask students to learn the topic.