

Lesson Plan

Grade: Four	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name: _____		Week: 2	Day: 1
Chapter 8: The Earth's Weather and Climates		Topic: Geographical Location and Climate Relationships	

Students Learning Outcomes:

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

- Recognize that average temperature and precipitation can change seasons and location.

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 humidity? Wait for their responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Geographical Location and Climate Relationships' on the board.
- Tell students the geographical location means type of landscape. It includes mountains, plains, valleys and plateaus. Geographical location of a region is one of the important factors that determines the climate of that specific region.
- Tell students weather changes with geographical locations. Areas with high altitude have different weather than areas with low altitude.
- Mountains have wet and cold climate and receive more rainfall as compared to plains.
- As it rises, it will cool and form clouds which cause precipitation.
- Water bodies such as oceans, seas, rivers, etc. also affect weather of nearby land. They absorb heat and drive air flow which results in precipitation.
- On Earth as we move away from equator, the areas become cooler as the sunrays do not fall directly. Hence the Polar Regions are the coldest regions.
- On basis of climate, earth is divided into three zones. Tropical zone, temperate zone and polar zone.

Review:

3mins

Explain the main points about the geographical location and climate relationships.

Evaluation:

5mins

To check the understanding of students, ask them:

- Why mountains get more rain?
- In how many zones the Earth is divided?
- Why the Polar Regions are the coldest regions?

Homework:

2mins

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

Worksheet

Q1. Write short answer.

i) Why do mountains get more rain?

ii) What do you know about precipitation?

iii) In how many zones the Earth is divided?

Q.2 Write detailed answer.

i) Explain how climate changes with geographical location. Give example.

Lesson Plan

Grade: Four	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name: _____		Week: 2	Day: 2
Chapter 8: Earth's Weather and Climates		Topic: Tropical Zone	

Students Learning Outcomes:

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

- Recognize that average temperature and precipitation can change seasons and location.

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

Warm-up Activities:

5mins

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

Ask them: In how many zone the earth is divided? How many zones is the earth divided base on climate? Wait for their responses. Appreciation them for good response.

Teaching and Learning Activities:

25mins

- Write the topic name 'Tropical zone' on the board.
- Tell the students today we will learn about the Tropical zone.
- Tropical zone consists of the regions located around the equator.
- These regions have average temperature above 18°C throughout the year.
- Here the sunrays fall vertically.
- That is why the climate of this zone is hot.
- This zone has only two seasons; wet season and dry seasons. Brazil, Mexico are some countries located in this zone.

Review:

3mins

Explain the main points about the Tropical zone.

Evaluation:

5mins

To check the understanding of students, ask them:

- Define Tropical zone.
- Tell the name of two countries located in the Tropical zone.

Homework:

2mins

Ask students to learn the topic.

Lesson Plan

Grade: Four	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name: _____		Week: 2	Day: 3
Chapter 8: The Earth's Weather and Climates		Topic: Temperate Zone	

Students Learning Outcomes:

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

- Recognize that average temperature and precipitation can change seasons and location.

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 temperate zone? Wait for their responses.

Appreciate them for good responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Temperate zone' on the board.
- Tell the students today we will learn about temperate zone.
- Temperate zone is located between Tropical and polar zones.
- Here the sunrays fall diagonally.
- The climate of this zone is mild with the average temperature above 3°C and below 18°C, in the coldest months.
- Pakistan, India, Some countries of Europe are located in the temperate zone.

Review:

3mins

Explain the main points about the Temperate zone.

Evaluation:

5mins

To check the understanding of students, ask them:

- Define Temperate zone.
- Tell the name of two countries located in the Temperate zone.

Homework:

2mins

Ask students to learn the topic.

Lesson Plan

Grade: Four	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name: _____		Week: 2	Day: 4
Chapter 8: The Earth's Weather and Climates		Topic: Polar Zone	

Students Learning Outcomes:

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

- Recognize that average temperature and precipitation can change seasons and location.

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 temperate zone? Take their responses.

Appreciate them for good responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Polar zone' on the board.
- Tell the students today we will learn about Polar zone.
- Polar zone consists of the areas around the north and south poles of the Earth.
- Here, the sunrays are more slanted and weaker.
- The climate of this zone is the coldest and dry.
- The climate becomes less warm as we move away from the equator where sunrays fall slanted.
- Canada, Greenland, Iceland, Sweden, Norway, Russia and United states are the countries that are located in Polar zone.

Review:

3mins

Explain the main points about the Polar zone.

Evaluation:

5mins

To check the understanding of students, ask them:

- Define Polar zone.

Homework:

2mins

Ask students to learn the topic.

Lesson Plan

Grade: Four	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name: _____		Week: 2	Day: 5
Chapter 8: The Earth's Weather and Climates		Topic: Temperature changes with Season and Location on Earth	

Students Learning Outcomes:

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

- Recognize that average temperature and precipitation can change seasons and location.

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 Polar zone? Take their responses. Appreciate them for good responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Temperature changes with season and location on earth' on the board.
- Tell the student today we will learn about temperature changes with season and location on earth.
- Tell the students temperature around the world varies with season and location.
- Seasons, refers to climate conditions for a specific time period of the year.
- In Pakistan we have four seasons, i.e. spring, summer, autumn and winter.
- All seasons are different in characteristics.
- Places which receive more sunlight are hotter than places with less sunlight.
- Places which receive more sunlight are hotter and more humid while the places near poles are colder.
- Some areas get little rain while some get more rain. Areas in deserts are always dry and hot.

Review:

3mins

Explain the main points about the temperature changes with season and location on earth.

Evaluation:

5mins

To check the understanding of students, ask them:

- Which areas are hotter?
- Why the polar regions are cold most of the year?

Homework:

2mins

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

Worksheet

Q1. Write the short answer.

What do you know about tropical region with respect to its climate?

Which areas are hotter?

Fill the information.

Tropical zone:

Temperate zone:

Polar zone:
