

Lesson Plan

Grade: Four

Subject: Science

Term: 3rd

Time: 40min

Teacher's Name: _____

Week: 5

Day: 1

Chapter 9: Solar System and Our Earth

Topic: Revolution of Earth (Seasons)

Students Learning Outcomes:

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

- Describe how seasons in the northern and southern hemispheres are related to the earth's annual movement around the sun.

Resource Materials:

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

Warm-up Activities:

5mins

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

Ask them: What do you know about shadow sizes? Wait for their responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Revolution of Earth (Seasons)' on the board.
- Tell the students today will learn about revolution of earth (seasons).
- Tell them movement of earth around the sun is called revolution. Earth revolves around the sun in its orbit.
- This movement is called orbital movement. The earth completes one revolution around the sun in about 365 1/4 days.
- The period is called one year. Tell them earth's axis is tilted at an angle 23.5°, because of this tilt, different parts of the earth receive different seasons like spring, summer, autumn and winter on the earth.
- Ask the students: **How does the Earth's tilt affect on seasons?** Wait for their responses.
- Write the answer on the board: **'Earth's tilt affects on seasons. As the Earth orbits the Sun, the amount of sunlight that each location receives continues to change with regard to its location and the relative position of the tilt of the Sun. This change causes the seasons.'**
- Tell students to write the answer in their notebooks. Check their work.
- Divide students in groups.
- Ask one group to search internet and find out the summer and winter season.
- Ask other group to search internet about autumn and spring season. Ask them to prepare a report on their findings. Share their findings with class. Wait for their responses.

Review:

3mins

Explain the main points about the revolution of earth.

Evaluation:**5mins**

To check the understanding of students, ask them:

- What is revolution?
- What is orbital movement?
- Define one year.




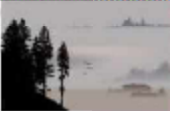

Homework:**2mins**

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

Worksheet

Q1. Complete the following sentences by using the word bank.

Windy	Rainy	Stormy	Foggy	Sunny
-------	-------	--------	-------	-------

	It is a _____ day.
	It is a _____ day.
	It is a _____ day.
	It is a _____ day.
	It is a _____ day.

Q2. Answer the following.

i) What is revolution?

ii) Define one year.

iii) Why are shadow shorter at noon?

Lesson Plan

Grade: Four

Subject: Science

Term: 3rd

Time: 40min

Teacher's Name: _____

Week: 5

Day: 2

Unit 9: Solar System and Our Earth

Topic: Season in Northern and Southern Hemisphere

Students Learning Outcomes:

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

- Describe how seasons in the northern and southern hemispheres are related to the earth's annual movement around the sun.

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

Warm-up Activities:

5mins

- Before beginning the lesson, ask students to say "Tasmiya".
- Ask them: How does the Earth's tilt affect seasons? Wait for their responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Season in Northern and Southern Hemisphere' on the board.
- Tell students today we will learn about the difference in the seasons in Northern and Southern hemisphere.
- Seasons in the Northern Hemisphere are opposite to season in Northern Hemisphere. When there is summer in Northern Hemisphere, there will be winter in Southern Hemisphere and vice versa.
- During summer the days are long and nights are short in Northern Hemisphere while at the same time in Southern hemisphere the days are short and nights are long.

Review:

3mins

Explain the main points about the seasons in Northern and southern hemispheres.

Evaluation:

5mins

To check the understanding of students, ask them:

- How seasons are different in Northern and Southern hemispheres?

Homework:

2mins

Ask students to learn the topic.

Lesson Plan

Grade: Four	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name: _____		Week: 5	Day: 3
Chapter 9: Solar System and Our Earth		Topic: Eclipse	

Students Learning Outcomes:

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

- Illustrate and explain how solar and lunar eclipses occur.

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 seasons in Northern and Southern Hemispheres? Wait for their responses and appreciate them for good response.

Teaching and Learning Activities:

25mins

- Write the topic name 'Eclipse' on the board.
- Tell the students today we will learn about eclipse.
- An eclipse happens when one object in space blocks another from view.
- For example, during solar eclipse the Moon comes between Earth and the sun.
- The moon blocks the sun for a time so that people on earth cannot see it.
- Eclipse happen because planets, moons, and other objects constantly move through space. There are two types of eclipse.
- Ask the students to open their textbook and read the contents.

Review:

3mins

Explain the main points about the eclipse.

Evaluation:

5mins

To check the understanding of students, ask them:

- What is an eclipse?
- Tell the types of eclipse.

Homework:

2mins

Ask students to learn the topic.

Lesson Plan

Grade: Four

Subject: Science

Term: 3rd

Time: 40min

Teacher's Name: _____

Week: 5

Day: 4

Chapter 8: Earth's Weather and Climates

Topic: Revision

Students Learning Outcomes:

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

- Revise all the concepts of chapter 8.

Resource Materials:

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 the students worksheet and correct their mistakes.

Evaluation:

0mins

N/A

Homework:

0mins

N/A

Q1. Answer the following questions.

i) What is humidity?

ii) How clouds are formed? In which areas more clouds are formed?

iii) Write the name of three zones of the earth.

iv) How geographical locations affect weather?

v) Why the places near equator hotter and places near poles are the coldest?

Q2. Differentiate between weather and climate.

Lesson Plan

Grade: Four

Subject: Science

Term: 3rd

Time: 40min

Teacher's Name: _____

Week: 5

Day: 5

Unit 9: Solar System our Earth

Topic: Revision

Students Learning Outcomes:

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

- Revise all the concepts of chapter 9.

Resource Materials:

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

Q1. Answer the following questions.

i) Define Solar system.

ii) Define Satellite.

iii) How many days moon completes one revolution around the earth?

iv) Define Crescent.

v) What is the difference between 'Waning' and 'Waxing'?

Q2. Write a note on relation of earth.
