25SCHOOLS
FREE LEARNING NOTES FOR ZAMBIA

GRADE 2 · TERM 2

Science

Weather and climate change

Lesson notes for learners · Competence-Based Curriculum

INSIDE

1. Kinds of weather
2. How weather changes
3. Climate change and how to help
4. Check yourself

Look outside. How is the weather today. The weather changes from day to day and even in one afternoon. In this note you will learn the kinds of weather, how weather changes, and how big changes in weather can affect us.

AFTER THESE NOTES YOU SHOULD BE ABLE TO

- Name hot, cold, windy and wet weather
- Say what happens before the weather changes
- Put weather changes in order
- Say how we can reduce the effects of climate change

KEY WORDS

Weather	How it is outside, such as hot, cold, windy or wet.
Climate change	Long changes in weather that affect people and the environment.
Flood	Too much water covering the land after heavy rain.
Drought	A long time with no rain.

1 Kinds of weather

Go outside and look at the sky. Feel the air. Is it hot, cold, windy or wet. How does this weather make you feel. Why.

Look at pictures or a video of different weather. Do all places have the same weather. Which kinds of weather have you felt. In a group, draw one kind of weather and describe it. Put all the drawings on the wall to make a class collage.

Think about which weather is good for playing outside and which is good for planting crops.

Weather	What we feel or see
Hot	Warm sun
Cold	Cool air
Windy	Moving air
Wet	Rain

Figure 1. Kinds of weather

2 How weather changes

Weather can change in a short time. Children are playing on the field. It was sunny. Then a strong wind starts to blow. Clouds form quickly and it gets a little dark. What will happen next. Rain.

Think about what happens first, next and last. Sun, then clouds, then rain. Match each weather with what leads to it. Wind and clouds come before rain. Ask yourself: What do dark clouds mean. What weather comes after clouds.

Draw how the weather changes. Show what happens first, second and last.

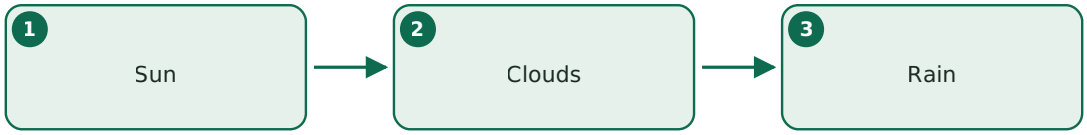

Figure 2. One change in weather

3 Climate change and how to help

Imagine two villages. In village A there is no rain for a long time. In village B there is heavy rain for days. What will happen in each village. A long time without rain is a drought. Too much rain can bring floods. Very hot weather is a heat wave. Have you seen anything like this.

We can help to reduce these effects. Plant trees. Farm in ways that care for the land. Save water. Make a poster that shows how to reduce one effect. Say what the effect is, why it is harmful and how to prevent it.

Sort pictures of what people do into good practices and bad practices for the environment.

TRY THIS

Look at the sky today. Say what the weather is. Draw what you think the weather will be like after one hour. Tell someone at home one way to care for the environment.

REMEMBER

- Weather can be hot, cold, windy or wet
- Weather changes, for example sun, then clouds, then rain
- Climate change can bring heat waves, floods and drought
- We can reduce the effects by planting trees, farming with care and saving water

? Check yourself

1. Name two kinds of weather.
2. What weather often comes after dark clouds.
3. What is a long time with no rain called.
4. Name one way to help reduce the effects of climate change.
5. Mulenga is playing football when a strong wind starts to blow and the sky becomes dark with clouds. His teacher calls him in. (a) What weather is coming. (b) What was the weather before. (c) Which came first, the clouds or the rain.
6. In one village there was heavy rain for many days and the water covered the fields. In another village there was no rain for a long time. (a) What is the first village having. (b) What is the second village having. (c) Name one thing people can do to care for the land.

ANSWERS

1. Any two of: hot, cold, windy, wet.
2. Rain.
3. A drought.
4. Plant trees, farm with care or save water.
5. (a) Rain. (b) Sunny. (c) The clouds.
6. (a) Floods. (b) A drought. (c) Plant trees.

Written by 25Schools to follow the Grade 2 Science syllabus of the Zambian competence-based curriculum. Free for learners to read, download and share. More notes and quizzes at 25schools.com.