

Instructions

This document shows a preview of an interactive topic available to young people on the Ultimate Dialogue Adventure.

In order to start a topic, young people need to find it in their Dashboard and click on Start learning,

Climate Change



What this topic covers

Many people call climate change the greatest challenge of our generation. The United Nations, where leaders and scientists from all countries around the world come together, has told us that unless people in every country take serious action on climate change within the next ten years, then sadly it will significantly worsen the risks of drought, floods, extreme heat and poverty for hundreds of millions of people. In this learning module, you will take a deeper look at climate change and reflect on this important global issue that effects us all.

By the end of this topic you will have prepared for dialogue with your peers by:



Critical Thinking

Investigating what climate change is and analysing what causes it.



Global Communication

Identifying personal stories in your own community to share with your peers.



Active Listening

Practicing empathy by making connections with people's stories and experiences of climate change.



Asking Questions

Constructing questions for deeper knowledge and understanding during dialogue about climate change.

This learning module on average takes around 20 to 30 minutes to complete

 Help

Start learning

Learning about climate change




What is climate change?




Watch this video to learn about what causes climate change and what its effects are on the world.

Environment and Climate Change Canada - What is Climate Change?: <https://www.youtube.com/watch?app=desktop&v=QIQ-MEZgRGY>

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Learning about climate change



What is climate change?



Is this statement true or false?

When learning and talking about climate change, it is helpful to know some of the facts. Read the statements below and select the category it belongs to. Is it true or false?

Changes in the earth's climate is a new phenomena



True

False

 **Help**



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Learning about climate change



What is climate change?



Is this statement true or false?

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Changes in the earth's climate is a new phenomena

In the video, we learned that the earth has changed many times in the course of time.

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Learning about climate change



What is climate change?



Is this statement true or false?

When learning and talking about climate change, it is helpful to know some of the facts. Read the statements below and select the category it belongs to. Is it true or false?

Causes of 'natural climate change' include changes in the earth's orbit, volcanic eruptions and changes in the sun's energy

True

False

 **Help**



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Learning about climate change



What is climate change?




Is this statement true or false?

When learning and talking about climate change, it is helpful to know some of the facts. Read the statements below and select the category it belongs to. Is it true or false?

Causes of 'natural climate change' include changes in the earth's orbit, volcanic eruptions and changes in the sun's energy

Natural climate change occurs when the earth's climate is influenced by natural events and not human made ones.

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Learning about climate change



What is climate change?



Is this statement true or false?

When learning and talking about climate change, it is helpful to know some of the facts. Read the statements below and select the category it belongs to. Is it true or false?

Human caused climate change started in the 1900s



True

False

 **Help**



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Learning about climate change



What is climate change?




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Human caused climate change started in the 1900s

Human made climate change began in the 1700's as a result of the Industrial Age.

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Learning about climate change



What is climate change?



Is this statement true or false?

When learning and talking about climate change, it is helpful to know some of the facts. Read the statements below and select the category it belongs to. Is it true or false?

The following are causes of greenhouse gas emissions: growing more rice, cutting down trees, increased fuel consumption

True

False

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Learning about climate change




What is climate change?



Is this statement true or false?

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The following are causes of greenhouse gas emissions: growing more rice, cutting down trees, increased fuel consumption

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True! Our consumption of energy, resources and food is linked to climate change. The more we need the more of a negative impact this has on our planet.

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Learning about climate change



What is climate change?



Is this statement true or false?

When learning and talking about climate change, it is helpful to know some of the facts. Read the statements below and select the category it belongs to. Is it true or false?

A result of global warming is that the sea is getting cooler

True

False

 **Help**



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Learning about climate change



What is climate change?



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A result of global warming is that the sea is getting cooler

False, when green house gases get trapped in our atmosphere it increases the temperature of the planet, creating a warming effect.

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Learning about climate change



Stories of impact



Human actions such as cutting down forests, increased farming and burning greenhouse gas emitting fuels to power cities, homes, factories and cars are all causing the Earth’s climate to become warmer. This is slowly affecting the temperature, climate and extreme weather events all around the world. This also affects the world’s population in different ways. As you read these stories from Africa, Asia, and the Americas, choose one to use for your next task!

Help

Aziz’s Story - Africa

Image source - <https://pixabay.com/photos/farmer-africa-farmland-village-2008002/>



Aziz lives in the Sahel region of Africa, where his parents work as farmers. However, there have now been three years of very little rain and it is becoming difficult to grow crops. He is worried that they will not be able to grow and sell enough produce to pay for food and water.

The past five years have been the five hottest ever recorded in human history, and scientists believe the principal reason for this is the rising levels of greenhouse gas emissions produced by human activities. Africa is warming disproportionately fast compared to other regions. This can lead to consecutive years of drought, leading to food and water shortages, wildfires and even conflict.

How does climate change affect us?

(Photo Pixabay)



Show text version

Shalini’s story - India

<https://commons.wikimedia.org/wiki/File:Trafficjamdelhi.jpg>



Shalini lives in Mumbai India, and every day she walks two miles to go to school. Her neighbourhood is becoming busier every year, and the road she walks along to go to school has many more cars, making the pollution very bad. Also, the last two summers have had record-breaking hot temperatures. Together this makes it hard to breathe, making her tired and struggle to concentrate in school.

Burning fossil fuels not only produces greenhouse gasses that warm the planet, but also other pollutions that can harm health or affect food and water supplies. Scientists estimate that up to 9 million deaths each year are associated with air pollution. Often it is the poorest, who cannot afford to move to cleaner areas, who are most affected.

How does climate change affect us?

(Photo Wikimedia)



Show text version

Davi’s story - Brazil

Image source - <https://pixabay.com/photos/young-native-amazon-2896605/>

Davi lives in the Amazon rainforest, where his family has lived for hundreds of generations. Their culture is closely connected with the forest and all the wildlife within it. However, recently a road was built through the area, and now much of the forest is being cut down, making it hard to maintain their lifestyle.

Brazil lost 4 million hectares of forest cover in 2017 alone. Democratic Republic of Congo and Indonesia both lost 1 million. This deforestation not only causes emissions, it also takes away trees that usually help to reduce emissions, and threatens natural wildlife and the cultures of those who live in the forest. 50% of all species are deemed at risk of extinction, while those who try to stop deforestation are often harassed or even attacked.



How does climate change affect us ?

(Photo by Esteban Benites on Unsplash)



Show text version

Léonie’s story - United States

Image source - <https://pixabay.com/photos/new-orleans-louisiana-81669/>



Léonie lives on the coast in the Southern USA. She loves her home but sadly last year it was damaged during a storm. She has been helping her parents to fix the house, but the seasonal floods which used to reach the end of her garden are now sometimes reaching their front door, meaning they have to do the work again.

Depending on an area’s landscape, the heat from a warmer climate can also cause extreme weather events such as hurricanes, which have become more frequent in recent years. The warming is also melting ice in the polar regions causing sea levels to slowly rise. Both of these factors mean an ever-increasing risk of flooding, especially for those who live in coastal regions or on small islands.

How does climate change affect us?

(Photo Pixabay)



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*Case studies are fictitious and do not represent any person.

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Learning about climate change



Stories of impact




What if this was your story?

Imagine you are Aziz, Shalini, Davi or Léonie. Choose one of the stories to talk about as if it were your own. In the box below describe how you feel about the effects of climate change on your local environment, explain what you would want others to know about your situation and changes you would like to see in the near future.

Enter your thoughts here...

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Learning about climate change



Stories of impact



What if this was your story?

Imagine you are Aziz, Shalini, Davi or Léonie. Choose one of the stories to talk about as if it were your own. In the box below describe how you feel about the effects of climate change on your local environment, explain what you would want others to know about your situation and changes you would like to see in the near future.

[? Help](#)

Can you think of any ways in which climate change is connected to your life? Take your learning away from the screen and practice the skills of dialogue by talking to some of the older members of your community, family or friends, and ask them how the climate has changed during their lifetime.

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Learning about climate change



Dialogue for change




Now more than ever, it is important that the world collaborates to make a change for planet earth. Watch this video to learn about the facts and why we need dialogue to come together to solve this global issue.

Climate Change Consequences - European Commission

European Commission - https://ec.europa.eu/clima/change/consequences_en

 Help



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Learning about climate change



Dialogue for change



Who needs to be involved in dialogue about climate change for there to be a positive impact in the next decade?

Select the checkbox next to each group of people that you think should be involved in a dialogue about climate change to make a change.

Political leaders of the most developed nations	<input type="checkbox"/>
Political leaders from less developed nations	<input type="checkbox"/>
Young people	<input type="checkbox"/>
Working people from developed nations	<input type="checkbox"/>
Working people from less developed nations	<input type="checkbox"/>
Business leaders	<input type="checkbox"/>
Teachers	<input type="checkbox"/>
Community leaders	<input type="checkbox"/>
Celebrities	<input type="checkbox"/>
TV presenters	<input type="checkbox"/>
Scientists	<input type="checkbox"/>

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Learning about climate change



Dialogue for change



Who needs to be involved in dialogue about climate change for there to be a positive impact in the next decade?

Select the checkbox next to each group of people that you think should be involved in a dialogue about climate change to make a change.

Political leaders of the most developed nations

☐

Political leaders from less developed nations

☐

Young people

☐

Working people from developed nations

☐

Working people from less developed nations

☐

Business leaders

☐

Teachers

☐

Community leaders

☐

Celebrities

☐

TV presenters

☐

Scientists

☐

 Help

Scientists tell us that all countries need to take climate action, but climate action can be difficult. Since each country produces different amounts of emissions and is affected differently, it is not clear exactly how much climate action each country should take.

What do you think world leaders need to do to solve this puzzle?

Hint – they will need to talk to each other and make agreements! Imagine you are the leader of your country, what might you say to other world leaders?

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Learning about climate change




Action for Climate Change



Read the following infographic about some of the latest actions proposed in 2021 by world leaders, climate experts and activists at COP26 in Glasgow, Scotland.



ACTIONS FOR CLIMATE CHANGE AT COP26




WHAT IS COP26?

COP stands for "Conference of the Parties". It's an annual summit organised by the UN and it brings together countries all over the world to take decisions that will secure the future of our planet. The latest one which happened in Glasgow in 2021, was the 26th annual summit.

WHO WAS THERE?

There were representatives of over 190 countries including:

- Heads of state
- Climate experts
- Climate activists/campaigners
- Cultural leaders
- Leaders of international corporations





FOUR KEY ACTIONS FROM COP26

The final agreement is not legally binding but becomes a guide for the global agenda on climate change for the next decade.

FORESTS

Leaders from more than 120 countries (responsible for nearly 90% of the world's forest cover) have promised to end deforestation by 2030.



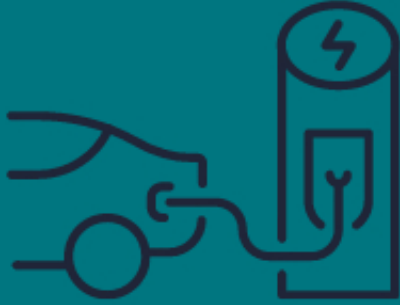



EMISSIONS

The United States, the European Union and over 100 countries agreed to cut methane gas emissions by 2030 while 40 major coal-dependent countries pledged to take steps to further reduce emissions of carbon dioxide (CO2).

GREEN TRANSPORT

More than 100 national governments, cities, states and major car companies signed the Glasgow Declaration on Zero-Emission Cars and Vans to end the sale of internal combustion engines (engines that depend on fossil fuels) by 2040 worldwide.






MONEY

Nearly 500 global financial corporations agreed to direct \$130 trillion in 'clean technology' including renewable energy.

Adapted from: <https://unric.org/en/cop26-a-snapshot-of-the-agreement/>
<https://www.bbc.com/news/science-environment-56901261>

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Learning about climate change



Action for Climate Change



What do you want to know?

Think of three questions you would like to ask your global peers about their experiences of climate change in the time of pandemic and write them down to use in the dialogue space.

You might want to think about exploring what they have noticed about the local environment, their hopes and fears for the future or how they feel about what they are experiencing and witnessing in their own communities.

Enter your thoughts here...

Continue

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Learning about climate change



Action for Climate Change



What do you want to know?

Think of three questions you would like to ask your global peers about their experiences of climate change in the time of pandemic and write them down to use in the dialogue space.

You might want to think about exploring what they have noticed about the local environment, their hopes and fears for the future or how they feel about what they are experiencing and witnessing in their own communities.

Enter your thoughts here...

[? Help](#)

The effects of Climate Change are becoming ever more evident for all to see and experience. It is therefore necessary that we all get involved in taking action to save our planet. Understanding what others are doing and sharing our own contributions in the dialogue space is taking a step closer toward learning how we can all work together to save the future of our planet.

[Continue](#)

Well done!



You completed

Learning about climate change

Congratulations!

You have completed the learning module for climate change by investigating some of the facts, thinking critically about how this issue impacts both local and global communities, and constructing difficult questions to ask your peers in a dialogue. By practicing these skills, you are becoming a global citizen who is able to investigate the world's problems and cooperate with people from all over the globe.

You are now ready to enter the dialogue space to practise the core skills and talk about this important topic. When you have earned 30 XP in the space, you can then book into a live video conference to dialogue with your peers!

Enjoying the Ultimate Dialogue Adventure? Invite your friends to join you!

[Invite via email](#) - [Invite via WhatsApp](#)



Continue



Learning: Climate Change

You have earned the learning badge about Climate Change!

 Help