

學生成果集錦

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Air Pollution

WHAT IS AIR POLLUTION?

Air pollution is bad air. There are two reasons for air pollution. The first reason is natural reasons. The earth is a living sphere, so the earth will also release some polluting gases. The second reason is man-made, mainly the air pollution produced by artificial secondary production.

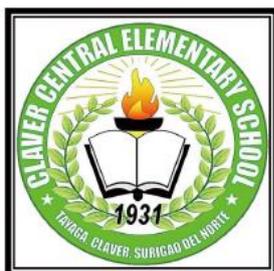
Natural causes

The first reason is natural causes, the natural causes have dust storms, volcano, forest fires and animal emissions.



Human reasons

The second reason is human reasons, human reasons have polluting factory exhaust, transportation exhaust, burning gold paper, trash and fire electricity.



IMPACTS OF AIR POLLUTION



1. FROM SMOG HANGING OVER CITIES TO SMOKE INSIDE THE HOME, AIR POLLUTION POSES A MAJOR THREAT TO HEALTH AND CLIMATE. AMBIENT (OUTDOOR) AIR POLLUTION IN BOTH CITIES AND RURAL AREAS IS CAUSING FINE PARTICULATE MATTER WHICH RESULT IN STROKES, HEART DISEASES, LUNG CANCER, ACUTE AND CHRONIC RESPIRATORY DISEASES.

2. AIR POLLUTION AFFECTS ALL THINGS

IT IS HARMFUL TO OUR HEALTH, AND IT IMPACTS THE ENVIRONMENT BY REDUCING VISIBILITY AND BLOCKING SUNLIGHT, CAUSING ACID RAIN, AND HARMING FORESTS, WILDLIFE, AND AGRICULTURE. GREENHOUSE GAS POLLUTION, THE CAUSE OF CLIMATE CHANGE, AFFECTS THE ENTIRE PLANET.



3. EXPOSURE TO AIR POLLUTION CAN AFFECT EVERYONE'S HEALTH.

WHEN WE BREATHE IN AIR POLLUTANTS, THEY CAN ENTER OUR BLOODSTREAM AND CONTRIBUTE TO COUGHING OR ITCHY EYES AND CAN ALSO WORSEN MANY BREATHING AND LUNG DISEASES, LEADING TO HOSPITALIZATIONS, CANCER, OR EVEN PREMATURE DEATH.



HEALTH (OUTDOORS)

AMBIENT AIR POLLUTION (CITIES & RURAL AREAS) CAUSED AN ESTIMATED 4.2 MILLION PREMATURE DEATHS WORLDWIDE IN 2016.

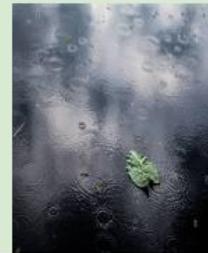
Daily life sewage discharge

The increase in population has led to a corresponding increase in human activities. The water used in our daily life, such as bathing, kitchen, brushing teeth, fecal sewage, etc., will also discharge sewage and cause water pollution.



Natural pollution

When it rains in the sky, the dirt on the ground is brought into the surface or underground water bodies to form pollution



Mercury released by overmining

When we extract mercury, some seeps out of the ground, causing pollution
When we extract mercury, some seeps out of the ground, causing pollution



littering

If we litter the garbage and throw it into the water, the creatures and plants in the water will eat it. After they eat the garbage, we will eat them and we will die and they will die too.



polluted water source

Thank you for listening!



Group 1

Group 1	Teresa 50116		
Aaroh	Zara	Shan	Adrian

Topic: Sanxing: What will happen if we don't save it?
Claver: How to save the ocean as a student?

0523



The Ocean Crisis Is Already Happening

- Plastic pollution.
- Increased water temperatures.
- Increased risk of flooding
- The presence of dead zones.



How The Oceans Will Look In The Next 5 Years

By 2028, we can expect to see an increase in water temperature of 1.5 degrees Celsius.



Result in severe thunderstorms, floods, and hurricanes

NASA: SEA LEVEL RISE LIKELY TO GET MUCH WORSE ...

How The Oceans Will Look In 15 Years

By 2038, the sea levels will continue to rise. Currently, the rate of sea-level rise has risen from 2.5 millimeters every year in the '90s to 3.4 millimeters per year, as NASA reports.

How The Oceans Will Look In 30 Years

We can expect to not have seafood any more by the year 2053. As a study reported by National Geographic warns, the oceans' biodiversity is being lost.



The ocean is an essential component of our planet's ecosystem, providing habitat for millions of species and regulating the Earth's climate. However, the ocean is facing serious threats from human activities such as pollution, overfishing, and climate change. If we want to save the ocean, we need to take action now.

One way to save the ocean is by reducing plastic pollution. Plastic waste is one of the most significant threats to the ocean's health, with an estimated 8 million tons of plastic entering the ocean each year. We can reduce plastic pollution by using reusable bags, water bottles, and containers, avoiding single-use plastic products, and properly disposing of plastic waste.

Another way to save the ocean is by protecting marine habitats. Coral reefs, seagrass meadows, and mangrove forests are all essential habitats that support a diverse array of marine life. We can protect these habitats by supporting marine protected areas, reducing coastal development, and avoiding activities that damage coral reefs and seagrass beds.

We also need to address overfishing, which is depleting fish populations and disrupting marine ecosystems. We can do this by supporting sustainable fishing practices, such as using fishing gear that minimizes bycatch and avoiding the capture of endangered species. Consumers can also choose to buy sustainably sourced seafood.

Finally, we need to address climate change, which is causing ocean temperatures to rise, ocean acidity to increase, and sea levels to

Group 2 Aqua	Audrey 50217	Ben 50408	
	James	Design	Shenise

Topic:
 Sanxing: Why is the ocean important?
 Claver: Kinds of fishes found in Claver

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5 Reasons Importance of the Ocean

 A red octopus is shown on the right side of the slide. The background is a light orange color with some coral illustrations at the bottom.

1. Oxygen

 A blue jellyfish is on the right, and an underwater scene with a striped fish and coral is on the left.

70-80% of the Earth's oxygen is produced by marine algae.

2. Carbon Sink

 A diagram shows CO2 being absorbed into the ocean from the atmosphere. A red crab is on the right.

Ocean can absorb 90% of the excess heat in the climate system.

3. Weather

 Various weather icons like sun, clouds, rain, and a moon are shown. A brown sea turtle is on the right.

Oceans circulate ocean waters. Keeping parts of the world warmer and others colder.

4. Fresh Water

 A diagram of the water cycle is on the left, and a pink fish is on the right.

Ocean water is a big part of water cycle.

5. Biodiversity

 An underwater scene with many colorful fish is on the left, and a pink starfish is on the right.

Most life on Earth is underwater. But only 5% of the ocean have actually been explored.

Group 3

Group 3 Green Rangers	Scarlett 50321	
Precious	Jea	Kaye
Topic: Sanxing: The sea level rising problem		
Claver: The current status of the beach in Claver		

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Rising Sea Level

GROUP 3

Hello everyone I am Scarlett I am Howard. Today we are going to talk about sea level rise.



What Is Sea Level Rise?

It is the increase in global mean sea level as a result of an increase volume of water in the world's ocean.

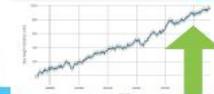
CAUSES

Sea level rise is caused by two main reasons.

- increased water from melting ice sheets and glaciers
- expansion of ocean water as it warms.

Other causes:

- Global warming
- Ice loss from Greenland and West Antarctica
- Decline in water storage on land



CRISIS

The average global sea level has risen by at least **20 centimeters**.

Sea levels

- 60 centimeters by 2040
- 90 centimeters by 2050

Hundreds of millions of people become **climate refugees** if sea levels rise by 2 meters.



PROBLEMS

- forced to evacuate or relocate
- health status
- problems of healthy family relationship breakdown and so on .

Facts

- If the sea level rises, we will lost clean water and field.
- Coastal erosion,terrestrial erosion on the coastline against sea water

THAT'S ALL FROM US

Thank You

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Teacher's reflection

For teaching students whose native language is not English, addressing environmental issues can pose significant challenges. Their limited vocabulary in both their native language (L1) and the target language (L2) may hinder comprehension of complex concepts and content. Additionally, some environmental concepts may be unfamiliar even in their native language, further complicating the learning process. These factors make teaching such classes more challenging.

To overcome these obstacles, the method of multimodality teaching becomes indispensable when addressing environmental issues. To engage students effectively, I incorporated video materials to initiate discussions about serious and challenging topics. After watching the videos, I provided explanations to ensure students' understanding. Although the issues are significant, connecting environmental concerns to students' life experiences creates an engaging learning environment. To facilitate meaningful discussions, I encouraged students to express their opinions in their native language. As a result, students have expressed positive feedback, indicating a fondness for these classes by the end of the semester.

If given the opportunity to teach such classes again, I would consider incorporating independent research assignments for students. Additionally, I would cultivate an environment that fosters active sharing of experiences and opinions among the students.

Overall, I consider these classes to be successful in introducing students to environmental issues and empowering them with the notion that each individual possesses the power to effect change and save our planet.

