

W6. Natural Disasters Poster

In this assignment, students will work together in groups to learn about natural disasters. The class will be divided into groups as agreed in class. Each group must work as a team and share ideas.

Each group will choose **one natural disaster** from the list below:

- Floods
- Earthquakes
- Volcanoes
- Tornadoes
- Wildfires
- Tsunamis

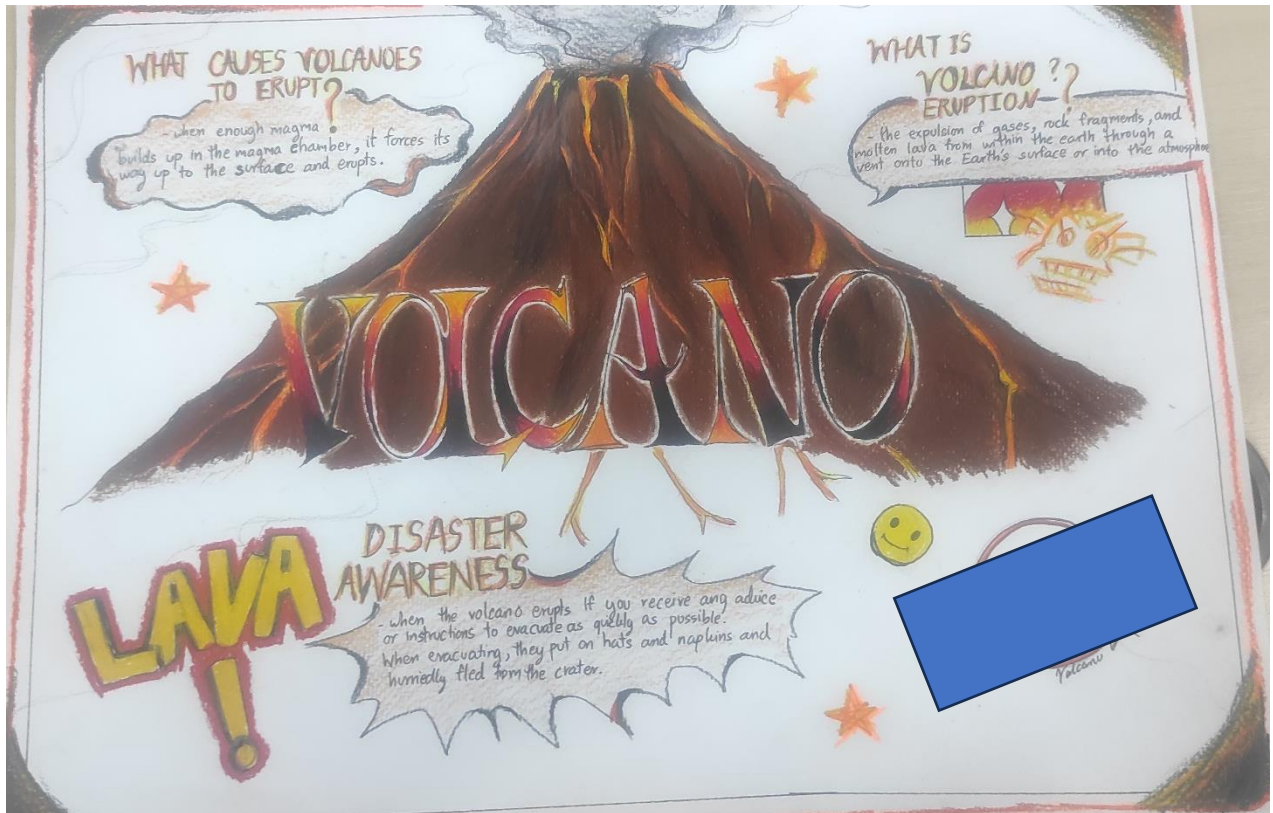
After choosing a disaster, each group will create a **poster on A3 paper or Canva**. The poster should include clear information and pictures. Students should explain **how the disaster happens, what effects it has on nature, and how it affects people**. The poster should also explain **how humans can prevent the disaster or reduce the damage it causes**.

Students should try to use simple language, drawings, and colors to make the poster easy to read and interesting. Teamwork and creativity are important for this assignment.

The total score for this assignment is **10 points**.

- **5 points** are for submitting the poster on time (late work will receive **2 points**).
- **5 points** are for the design, creativity, and overall presentation of the poster.

Examples:



WILD FIRE

UNPLANNED FIRE BURNING IN A NATURAL AREA SUCH AS A FOREST, GRASSLAND

PREVENT

- CHECK THE WEATHER
- DON'T PARK OVER DRY GRASS AND MORE

REASONS

- LIGHNING
- VOLCANOES
- EXTREME WEATHER EVENTS

LET THE WORLD BURN FOR YOU.

How they occur

Magma rises and collects in magma chambers. Eventually, some of the magma pushes through vents and fissures to the earth's surface.

How to prevent

Volcanoes can't be prevented, but risks can be reduced by monitoring for signs of eruptions, avoiding building near active volcanoes, having evacuation plans, and educating communities about safety measures.

Effect to human

Respiratory problems are on the rise, and even the finest particles of volcanic ash can exacerbate chronic diseases.

Effect to nature

Volcanic eruptions can harm plants through ashfall, lava flows, acid rain, and soil changes. While devastating in the short term, they can enrich the soil and create new habitats for plants in the long run.

HOW IT OCCURS

Caused by a large and sudden displacement of the ocean, usually the result of an earthquake below or near the ocean floor.

HOW TO PREVENT

- Early warning systems
- Evacuation Plans
- Coastal Defenses
- Research and monitoring
- Land-use Planning

TSUNAMI

EFFECT TO NATURE

- Coastal Erosion and Habitat Destruction
- Deforestation and vegetation Damage
- Loss of Marine Life
- Introduction of pollutants
- Salt water Intrusion

EFFECT TO HUMAN

- Loss of Life and Injury
- Health Crises
- Destruction of Homes and Infrastructure
- Psychological Trauma
- Displacement and Loss of Livelihoods

WILDFIRE EFFECT TO NATURE

After the wild fire hits, if the area has a lot of trees most or all of the trees will get burnt down. if the area has building would cause harm to people living there. Wild fire can cause a lot of troubles mainly is the global warming

EFFECT TO HUMAN

After the wild fire if the area has people some people would be injured or cause deaths. Some would be panicked or even get traumatized. If the area is wild forests or has no people it will cause the world to heat up more and more due to the global warming is caused

HOW IT OCCUR

Wildfires occur when dry vegetation ignites due to natural causes (like lightning) or human activities (like campfires or discarded cigarettes). They spread quickly with heat and ample fuel, especially in dry, hot and windy conditions

HOW TO PREVENT

1. Use fire-resistant materials
2. Avoid burning trash or starting fire in high-risk area.
3. Report any signs of fire or smoke to authorities.

Wild Fire

How Did it Happen

85% of wildfire caused by human
 Most just caused by left campfire cigarette and accidentally light the fire and can't stop it.

Also there a few chance that cause by animal some species of eagle use fire to hunt prey they will use dryleaf and make fire like match stick.

How to prevent

How to prevent from happen of wildfire like from human there is a few way
 Ex have a warn sign like no setting camp in this area, no cigarette in this area and we should prevent tourist for coming at dry leaf season.

How is it Affect to other?

The wildfire can affect everything Human, plant, water, land, air, animals to plant the plant got burned from wildfire and it affect to animal to have no home and the land got destroy by burn and it hard to plant to grow back and the ashes from fire just went straight to the sky and make the pollution to human after it went up it goes down in water and the fish become danger.

Floods

How Floods Occur?

- Rain fall (from cyclones) or hurricanes
- River rising • Tsunamis
- Ice or snow melting

How does flooding affect humans and environment?

Prepare for flood

- Know your risk
- Establish an evacuation route
- Teach you kids how to respond to an emergency
- Establish an out-of-state contact.
- Buy flood insurance.

Humans

- Businesses can be forced to shut down
- Services such as hospitals & School can close
- Homes and properties can be flooded.
- People may have to move out of their properties until flood damage is repaired.

Environment

- Wildfire habitats can be destroyed by flood water.
- Trees can be uprooted by high-velocity water flow.
- River banks & natural levees can be destroyed as rivers reach bankfull capacity.
- Silt & sediment can destroy crops on farms.

How they happen

Tsunami are waves caused by sudden movement of the ocean surface due to earth quakes, landslides on the seafloor, land slumping in to the ocean, large volcanic eruptions or meteorite impact in the ocean

Tsunamis



How do they do to nature

- Make the plates move Geographic coordinates are misaligned.
- As a result, the condition of the coastal area changes in a short time.
- Loss of both life and property such as house damage utilities destroyed, etc.
- Affect the ecosystem such as some types of aquatic animals change their habitats etc.

How do they do to us human

- Effect on the Life and mental state Tsunami waves have caused many deaths, injuries and losses. The victim were in a panic
- Effect on properties and buildings tsunami destroy property, houses, hotels and other building
- Effect on the economy causing enormous economic losses
- The ecosystem was destroyed, the attractions were damaged, the number of tourists was reduced.

How can we stop it

- should follow the news or warning announcements closely and continuously.
- Recognize coastal phenomena, If the sea water is greatly reduced after the earthquake to assume that may cause a tsunami to follow.
- In case of being in the boat which is moored at the harbor or bay, hurried to take the boat out to the sea when known to be born tsunami waves hit.
- If the disaster from the tsunami try to keep your mind to prepare for the situation

WILDFIRE

How they happen?

Human activity. There are numerous ways human activity can start wildfires, either accidentally or intentionally caused by activities such as open burning, the used of engines or vehicles, dropping burning substance such as cigarettes or natural phenomenon such as lightning they can happen at anytime or anywhere.

What do they do to nature?

- Spoil the soil.
- Causing global warming
- This makes the oxygen decreased and the carbon dioxide increases.
- Forest fires kill trees.
- Forest fires cause pollution.
- Damage the animal habitat

What do they do to human?

- If the wildfire spreads into the village, it will damage people's homes.
- Cause a range of health issues, including respiration and cardiovascular problem
- Loss of income from tourists
- Destroy property

How can we stop it?

- 1 Do not cut trees
- 2 Do not burn forests
- 3 Plant trees
- 4 Use cloth bags instead of poly bag
- 5 Do not burn waste
- 6 Give information to the villagers

What do they do to nature

Cause air and water pollution which is dangerous to living things.

How do we protect ourselves

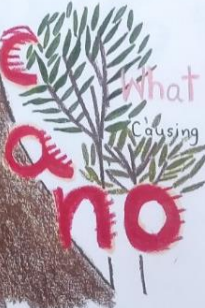
Wear a coat, long pants, and gloves to protect against volcanic ash. and the heat from the explosion

How they happen

Volcanoes are formed by magma beneath the Earth's crust under pressure. until the magma penetrates the crack up to the surface of the earth with an explosion or explosion occurring

What do they do to us human

Causing loss of life and property



TSUNAMIS



TSUNAMI CAUSED BY ?

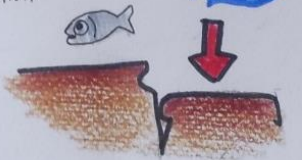
Tsunamis are caused by sudden shifts of the underwater crust. It may be a landslide collapse. When the land under the sea suddenly changes shape will cause the sea water to move to adjust the level to balance and will cause a tsunami.

IMPACT ON NATURE

The ever beautiful coral reef attracts the attention of tourists. Some were broken by the waves. Causing the place that used to be a tourist attraction. Marine life, such as shrimp, mollusks, crabs and fish may be declining.

How to prevent

Planting mangrove forests to reduce the strength of tsunami or migration.



Human impact

Effect on life and mental state. Tsunami waves have killed many people, injuries and losses. The victims were in a panic.

