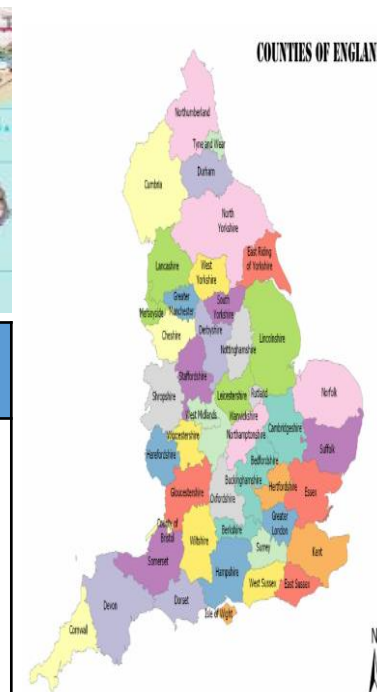
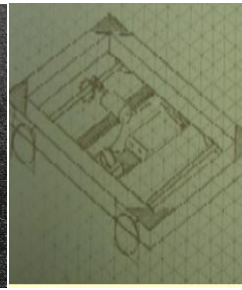
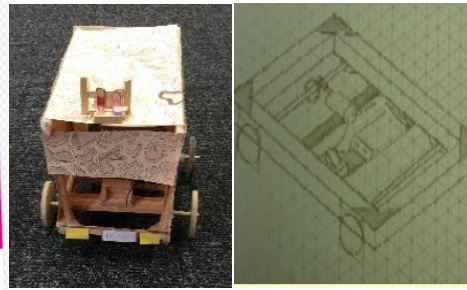
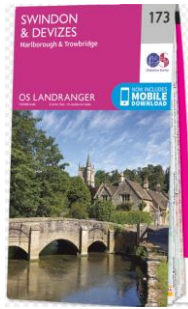


Knowledge Organiser

Y6

The World We Live in

The Changing Face of our World



How can we help?

- Plant trees
- Use more sustainable transportation
- Lower you electricity bill- turn lights off, close doors
- Turn off your computer and electronics
- Campaign for the planet
- Recycle
- Save water

What is the impact of climate change?

Rising global temperatures threaten human health, increase the risk of extreme weather and damage ecosystems. In addition many species of wildlife around the globe are facing challenges to their ways of life that, if they're not able to adapt quickly to the new conditions under climate change, could cause them to go extinct.



WOW words

Global warming	The gradual increase in the overall temperature of the earth's atmosphere.
Climate Change	a change in global or regional climate patterns.
Sea Level	the level of the sea's surface.
Pollution	the presence in or introduction into the environment of a substance which has harmful or poisonous effects.
Grid reference	a map reference indicating a location in terms of a series of vertical and horizontal grid lines identified by numbers or letters.
Environm ent	All the physical surroundings on Earth.
Region	An area of land.
Coast	the part of the land adjoining or near the sea.
Erosion	the process of destruction by wind, water, or other natural agents.
County	the name for a piece of land.
County towns	an important town in a county.

How does Global Warming impact the sea

Earth's warming climate is causing sea levels to rise in two different ways. First, warmer air temperatures are causing glaciers and land ice to melt. As the melt water flows into the ocean, the increase in the total amount of water causes the sea level to rise. Second, as ocean water warms, it expands—pushing water farther up along our shores and resulting in changes to ocean heat and temperature.

Why are rising sea levels bad?

Rising sea level is a threat to people who live near the ocean. Some low-lying areas will have more frequent flooding, and very low-lying land could be submerged completely. Rising sea level can also harm important coastal ecosystems like mangrove forests and coral reefs.

Earth is surrounded by an atmosphere made up of a layer of gases. When sunlight enters the atmosphere, some of the sun's heat is trapped by the gases, while the rest escapes the atmosphere but recently more of the heat is getting trapped in Earth's atmosphere.

How do humans impact the climate?

There are lots of reasons why, the top 3 contributors are:

- Burning fossil fuels
- Farming
- Deforestation