

Geography



We are Air Quality Officers

ASSESSED PIECE OF WORK

Chesswood Y3 Geography — We are Air Quality Officers

Key Knowledge

What I Should Already Know

- Countries of the UK (Key Stage 1)
- 4 points of the compass (ks2)
- Types of Settlements (Ks2)

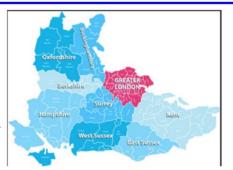
What is an Air Quality Officer?

Someone who carries out air quality surveys, looks out for possible risks and seeks strategies for overcoming these, striving for high quality of air in our cities and towns.

The 9 regions of England . Worthing is located in the South East.

Regions are divided further into counties.
The counties of the South East of England are
West Sussex, East Sussex, Kent, Surrey, Hampshire, Surrey, Berkshire, Oxfordshire, Buckinghamshire and Greater London (9)

Worthing is in West Sussex. Counties around
West Sussex—east is East Sussex, west is Hampshire, north is Surrey and to the south is the English Channel



Sustainability

Towns and cities will have problems with pollution because there are lots of people living in a small area.

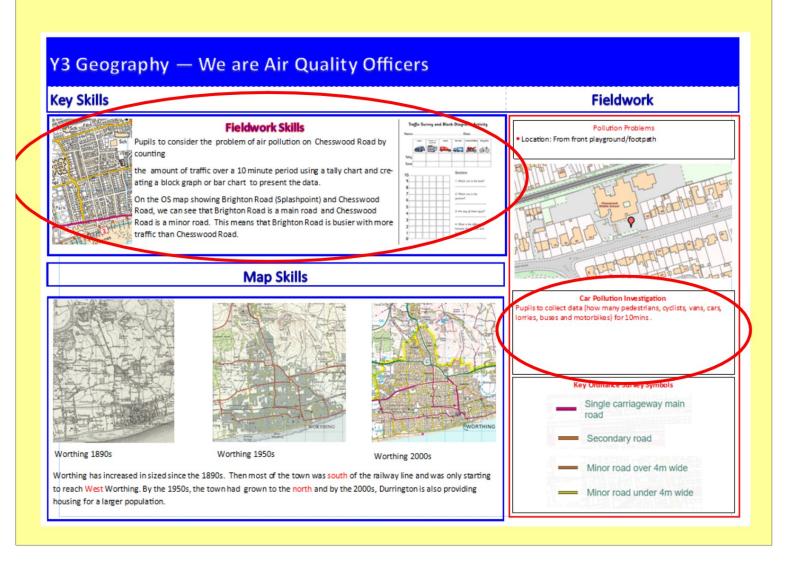
Traffic is the main producer of air pollution in cities.

Solutions to air pollution in cities include: green public transport, charging stations for electric cars, bicycle lanes, congestion charges and low emission zones.



Key Vocabulary

	Word	Definition			
	Site	The piece of land a settlement is build on.			
	National	Relating to a country			
	Regional	Relating to a region (part) of a country			
	Local	Relating to a particular area or your own neighbourhood			
	Regions	Large areas of the country			
	County	Smaller areas of the country with it's own government offices			
	Capital City	Is where the local government of a country is. The leaders work in the capital city.			
	Pollution	Pollution is anything that makes the earth dirty and unhealthy. Land, air, and water are all affected by pollution			
I	AirQuality	a measure of how clean or dirty the air in a particular area is.			
	Air pollution	Is when unwanted chemicals, gases and particles enter the air causing harm to animals and damaging the natural cycles of the Earth			
	Traffic	Vehicles (cars, buses, motor bikes etc moving along a road)			
	environment	The natural world, with the plants and animals living in it.			
	sustainability	Sustainability is the practice of using natural resources responsibly so they can support both present and future generations			
	urban	Relating to a city or town (housing, factories, offices, roads and footpaths)			
	Green urban	An area in a town or city which covered with grass or other trees (park or woodland.)			
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Answers

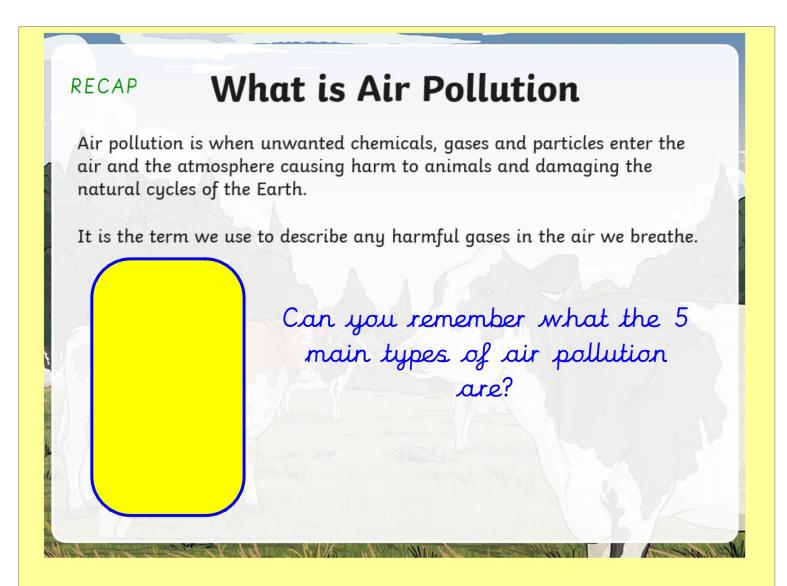


Pollution

Pollution is when gases, smoke and chemicals are introduced to, and damage, the environment.

In recent times, there has been growing concern about the health implications of **air pollution** on humans, animals and plants.





Answers What is Air Pollution

Air pollution is when unwanted chemicals, gases and particles enter the air and the atmosphere causing harm to animals and damaging the natural cycles of the Earth.

It is the term we use to describe any harmful gases in the air we breathe.

Transport

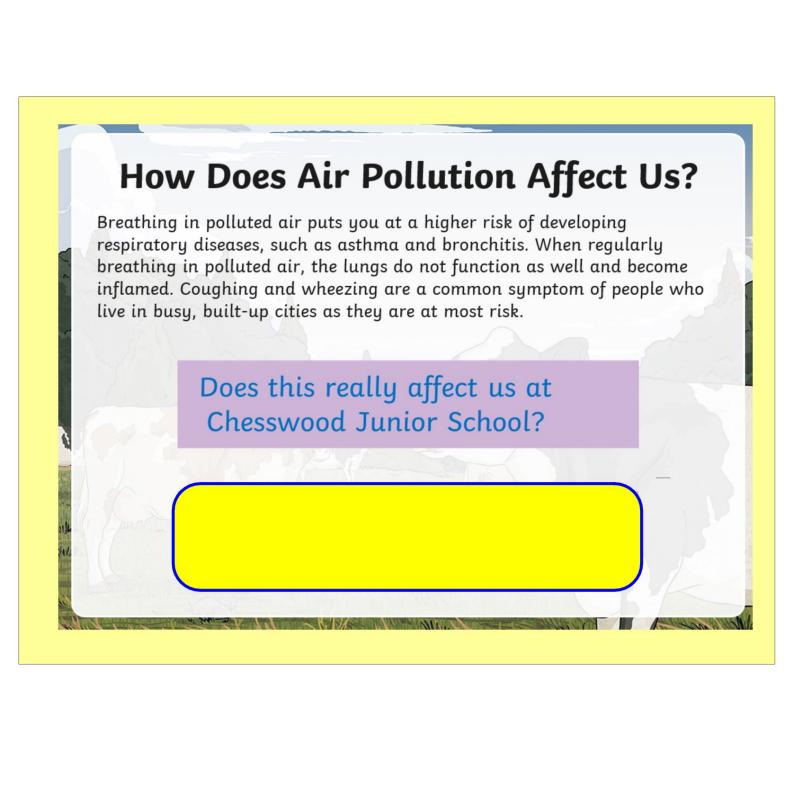
Agricultural

Household

Industrial

Waste

Can you remember what the 5 main types of air pollution are?



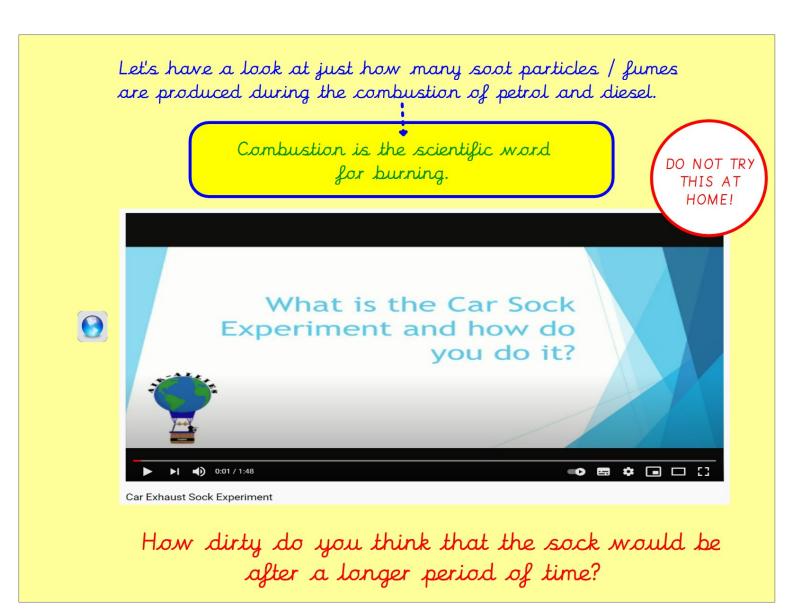


How Does Air Pollution Affect Us?

Breathing in polluted air puts you at a higher risk of developing respiratory diseases, such as asthma and bronchitis. When regularly breathing in polluted air, the lungs do not function as well and become inflamed. Coughing and wheezing are a common symptom of people who live in busy, built-up cities as they are at most risk.

Does this really affect us at Chesswood Junior School?

Yes. Think about all the cars that drive by or sit outside the school gates running their engines with car fumes filling the air!



We are going to conduct a survey outside Chesswood Junior School to find out the number of different methods of transport that use the road udring a 10 minute period.

We will log our findings on a Tally Chart - can you remember how to do this?

Watch the video clip to find out how.



You are about to watch a 10 minute video clip of the traffic which passed outside Chesswood Junior School during a morning. Whilst watching, record the total number of vehicles that you see.

Only include those that drive over the pelican crossing at the traffic lights.

Traffic Survey Tally Chart

	cars	buses or coaches	vans	lorries	motorbikes	bicycles
		un lotte 72				00
Tally						
Total						

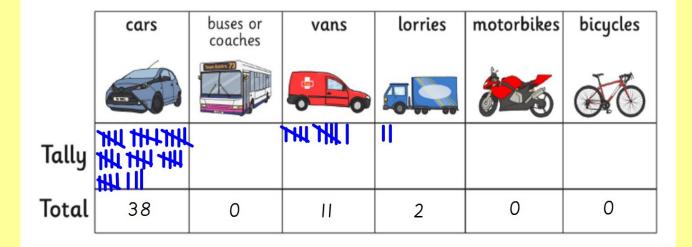




Geography Traffic Survey

How many did you see?

Traffic Survey Tally Chart



Don't worry if you didn't get the same totals - just keep your tally chart safe until next lesson!