

Geography



We are Air Quality Officers

ASSESSED PIECE OF WORK

Chesswood Y3 Geography — We are Air Quality Officers To do 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.

nd. Worthing is located in

gions 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 Hamphire, north is Surrey and to the south is the Eng-



Sustainability

Towns and cities will have problems with pollution because there are lots of peop

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

	Key vocabulary		
j-	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	
	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)	

An area in a town or city which covered with grass or other

trees (park or woodland.)

This is the knowledge organiser for the topic. Your teacher will give you a copy to stick into your book



Key Skills Fieldwork



Fieldwork Skills

Pupils to consider the problem of air pollution on Chesswood Road by

the amount of traffic over a 10 minute period using a tally chart and creating a block graph or bar chart to present the data.

On the OS map showing Brighton Road (Splashpoint) and Chesswood Road, we can see that Brighton Road is a main road and Chesswood Road is a minor road. This means that Brighton Road is busier with more traffic than Chesswood Road.



Location: From front playground/footpath



Map Skills







Worthing 1890s

Worthing 1950s

Worthing has increased in sized since the 1890s. Then most of the town was south of the railway line and was only starting to reach West Worthing. By the 1950s, the town had grown to the north and by the 2000s, Durrington is also providing housing for a larger population.

Pupils to collect data (how many pedestrians, cyclists, vans, cars,

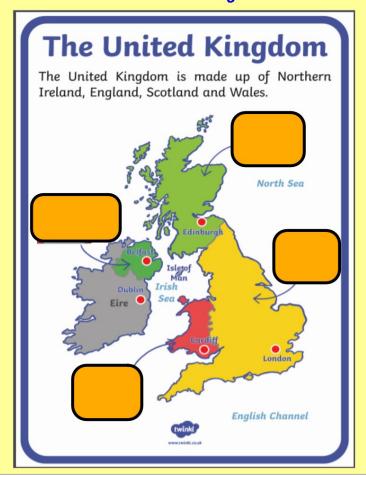


Recap key knowledge

What I Should Aiready Know • Countries of the UK (Key Stage 1)

- 4 points of the compass (ks2)
- Types of Settlements (Ks2)

Which countries form the United Kingdom?



Answers

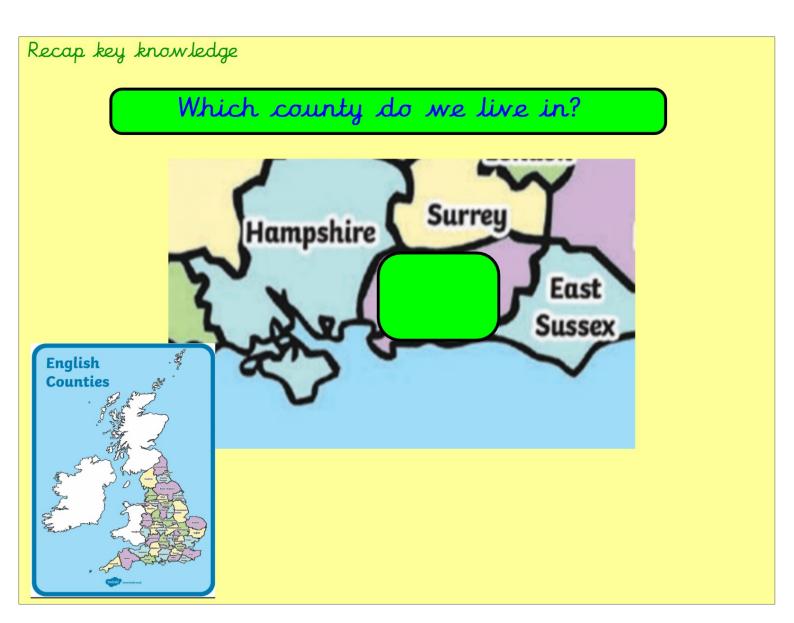
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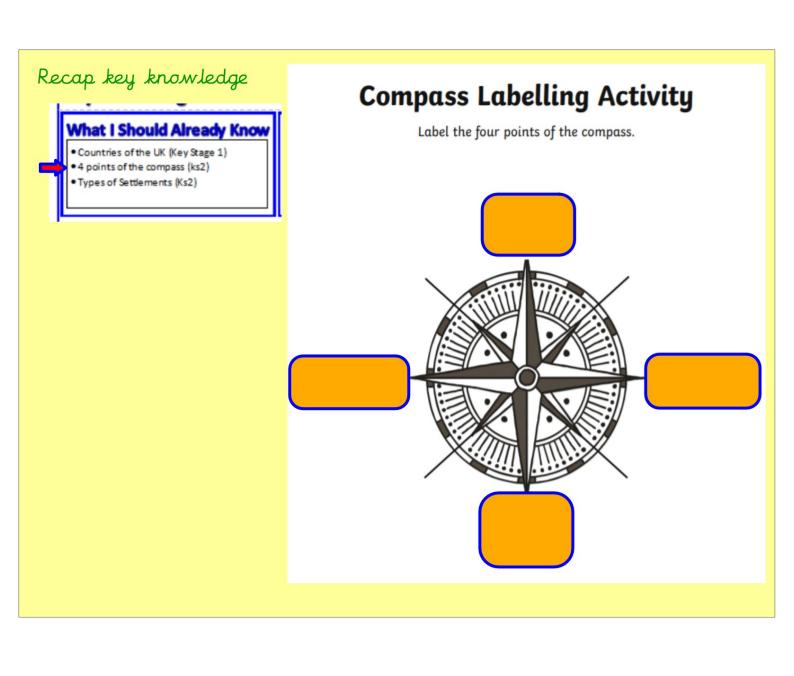
Did you get them all correct?

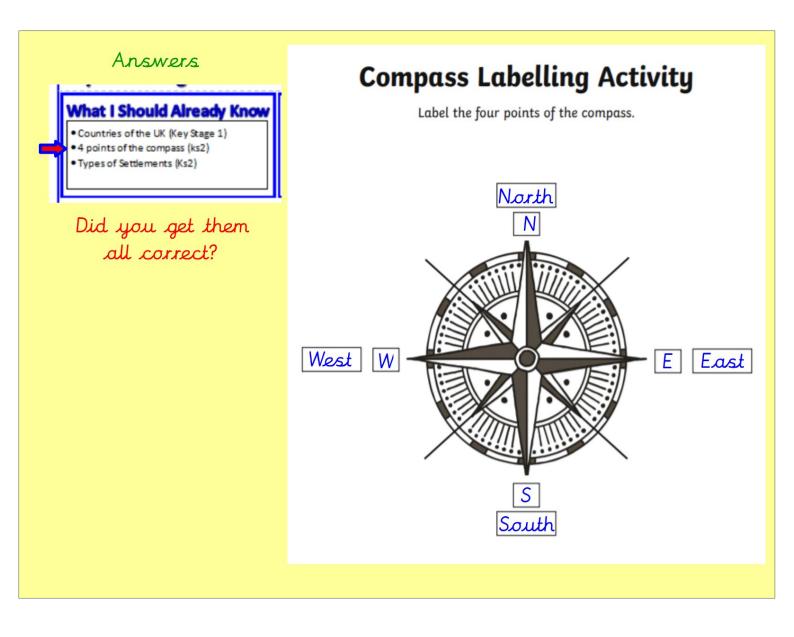
Which countries form the United Kingdom?





Answers Which county do we live in? Surrey Hampshire West East Sussex Sussex English Counties





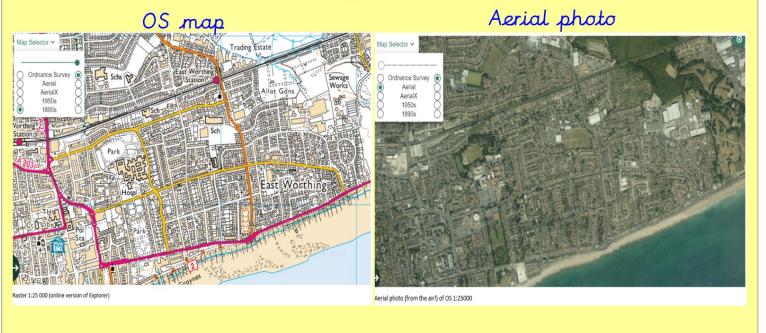
Recap key knowledge

Which town do we live in?



Can you find Chesswood Junior School on either map?

point to where you believe we are located



Answers Which town do we live in? Worthing

Can you find Chesswood Junior School on either map?

OS map Aerial photo





Recap key knowledge

What I Should Already Know

- Countries of the UK (Key Stage 1)
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What is a settlement?

During the Autumn term we looked at different settlement types, can you name all four of these?











Watch this video to see what an Air Quality Manager does in their job role

Now that we know what an Air Quality Manager does, it is time for us to think like one!







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.







There are 5 main types of pollution, they are:

Transport

e.g. cars burning engine fuels, especially diesel from the exhaust pipe.

Agricultural

methane gas given off by cattle and the burning of animal waste.

Household

the burning of fossil fuels to heat homes and cook food.

Industrial

the burning of fuels to power the factories and machines.

Waste

plastic products release dangerous chemicals, even if they are not burned.

How Does Air Pollution Affect Us?

Health: Humans depend on air to live and breathe.

Breathing in polluted air puts you at a higher risk of developing respiratory diseases.

Vegetation: The harmful substances that are released into the air settle on plants and in water sources. Animals eat the contaminated plants and drink the dirty water which means that the chemicals also reach us through the food chain.

Buildings: in large amounts some of these gases can damage buildings.

ASSESSED PIECE OF WORK

Which type of settlements do you think will have the greatest problems with pollution?

Create a poster to show your chosen settlement and what is causing the pollution.



A hamlet



A city



A town



A village