

INTRO TO AIR QUALITY 1

Time: 30-40 minutes



Activity Overview

These activities are suitable for children in years 4 to 6. The aim is for children to find out more about air quality, and what we can do to combat rising levels of pollution in our area.

What you'll need:

- A pencil
- Some paper or a workbook to write on

Background Science

What is air pollution

- Nitrogen Dioxide (NO₂)

Nitrogen dioxide contributes to the formation of photochemical smog, which can have significant impacts on human health.

- Carbon Dioxide

Carbon Dioxide is not strictly a form of air pollution, but it contributes to O-zone which causes problems like “Green House Effect” and Climate change.

- Particulate Matter

Particulate matter is very small pieces of solids or liquids suspended in the air. They cause significant health effects, including worsening of heart and lung disease,



DID YOU KNOW...



Oxygen is produced by trees and plants



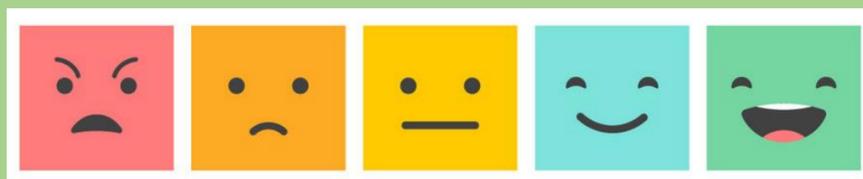
The levels of air pollution are different in different areas



Air pollution is usually invisible, unless it gets really bad



Tell us what you think of this activity



Click on the faces to link to our activity feedback survey

WE'D LOVE TO HEAR FROM YOU!

Share pictures/videos of you taking part in our activities on....



#BIKEITATHOME

RUN THE ACTIVITY



sustrans

JOIN THE MOVEMENT

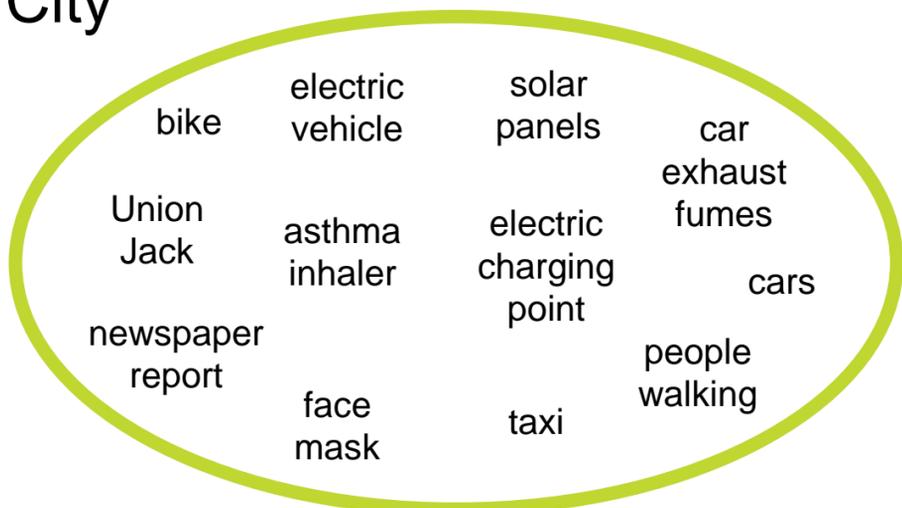
Share on our socials [www](#) [twitter](#) [facebook](#)

1. 'The Sparrow and The Very Smoggy City'



Write down these words, and then click the picture on the Left to watch the video. Circle each word when you see it!

If the link doesn't work, then try this link: <https://www.youtube.com/watch?v=MlxTrr1-rSE> or just search for 'The Sparrow and The Very Smoggy City' in YouTube



2. What can you do to reduce air pollution?



DRIVE LESS



Encourage parents to walk instead of driving.



Turn off the central heating when it isn't needed.



Make posters that tell people about air pollution, and stick them in your window.



Plant more trees, plants and flowers.



Don't burn garden waste.



Turn off lights when you leave a room.

POSTER CHALLENGE

Make a poster to warn people about the dangers of air pollution, and let them know what they can do to reduce their contributions to air pollution – use some of the ideas listed here, as well as your own!

3. Air pollution word search!

N	N	O	A	P	B	H	I	R	I	T	E	I	H
D	C	G	N	E	O	D	A	U	R	H	E	O	E
M	A	T	T	E	R	L	P	M	T	I	C	P	A
N	R	L	G	N	G	L	L	A	H	R	A	D	L
S	B	R	R	L	A	Y	E	U	E	T	L	I	T
T	O	A	O	N	N	R	X	T	T	O	S	M	H
C	N	P	T	U	B	H	U	O	G	I	X	A	Y
I	D	S	O	O	O	L	H	X	N	U	O	G	T
R	I	A	L	U	N	G	S	E	U	H	E	N	E
T	O	O	X	I	R	S	C	L	O	G	O	M	S
C	X	C	E	A	T	T	R	L	Y	I	T	T	L
E	I	T	R	E	E	S	R	A	E	T	C	O	E
L	D	O	Z	O	N	E	I	E	C	A	L	R	A
E	E	P	A	R	T	I	C	U	L	A	T	E	C

WHY NOT TRY MAKING YOUR OWN WORD SEARCH, AND SENDING IT TO YOUR FRIENDS!?

AIR

OLD

YOUNG

OZONE

HEALTHY

POLLUTION

PARTICULATE

MATTER

ELECTRIC

ASTHMA

OXYGEN

CARS

PLANTS

TREES

LUNGS

SMOG

BREATHE

CARBON DIOXIDE

