

# Key Stage: 1

Lesson Length: 1h 30m

**Key Objective:** To understand the key sources of air pollution at school, what we can do to protect people from it and how we can keep our air clean.

## National Curriculum Links:

- **Geographical Skills and Fieldwork:** Use simple fieldwork and observational skills to study the geography of the school and its grounds, and the key human and physical features of its surrounding environment.
- **Working Scientifically:** Gathering and recording data to help in answering questions.

Time	Activity	Notes & Resources
10 mins	<p>Using the discussion questions slideshow (slides 1 – 4), introduce students to the subject of clean air.</p> <p>Discussion questions:</p> <p style="text-align: center;">Why is clean air important? What stops our air being clean?</p> <p>Explain that during this lesson, we will look at what can stop the air at school from being clean and how we can protect ourselves from air pollution.</p>	<p>Resource: Discussion questions slideshow</p> <p>Optional: Use the Virtual Reality App &amp; 360 degree video to find out more about sources of air pollution</p>
45 mins	<p>In this part of the lesson, students will explore and collect data on the sources of pollution in and around the school.</p> <p>Use the sources of pollution information sheet to discuss with students the types of pollution sources you might see around your school and how each of the sources emit pollution, e.g. vehicles from exhaust pipes, building sites creating dust digging and drilling, etc.</p> <p>Share the data collection sheet with the group. Discuss which area of the school they would like to survey (suggest looking at the busiest entrance or a part of the school that is next to a main road).</p> <p>When all of the data has been collected, look at the discussion slideshow again, focussing on the questions:</p> <p style="text-align: center;">What can we do to avoid air pollution? What can we do to reduce the amount of pollution we produce? What could we do to reduce air pollution at school?</p>	<p>Resources: Sources of pollution and data collection sheet, discussion questions slideshow</p> <p>Optional: Observe the impact of air pollution in nature with the lichen observation activity</p>



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20 mins	<p>Challenge the students to design their own Clean Air Superhero. As a group, discuss what the superhero could do for your school, city and country, and even for the world.</p> <p>Using the template, students can draw a picture of their superhero, thinking carefully about the emblem they could have on their costume. Then decide on their name, what super powers they will have and explain how they will protect people.</p>	<p>Resource: My Clean Air Superhero</p> <p>Optional: Encourage everyone in the group to make a pledge using one of our pledge cards</p>
15 mins	<p>Explain that on 20 June, schools across the UK will be taking part in Clean Air Day. Students, teachers, parents and the local community will be taking action to reduce and avoid air pollution.</p> <p>To raise awareness around the school, create posters letting people know why clean air is important. Students could use the 'Clean air is important to me because...' and Clean Air Day logo posters or design their own posters.</p>	<p>'Clean air is important to me because...' and Clean Air Day logo posters</p> <p>Optional: Use all of the resources from our website to prepare for 20 June</p>

