

# LESSON PLAN FOR

# POLLUTION INVESTIGATORS



## Humanities

### Descriptions for learning

- I can describe how people and the natural world may impact on each other.
- I can recognise that my actions and those of others impact upon communities and the environment.

### Learning objectives

- To understand some causes of air pollution and ways we can effect change.
- To understand our role in contributing to good air quality.



### Resources needed

- Pollution Investigators Lesson Plan
- Pollution Investigators Lesson Presentation
- School Information Cards
- Pollution Assessment Log
- Keywords, if required

### Skills development

- Debating and sharing an opinion
- Listening to and respecting others' thoughts and opinions
- Present ideas clearly to peers and adults

### Key vocabulary

air, oxygen, breath, breathe, idling, lungs, pollution, fumes, smoke, pesticides, chemicals, Earth, natural, environment, protect, life, lung condition, asthma, illness, global citizen, responsibility, trees, plants, factories, vehicles, plastic, recycling, pollution

### Prior learning

It may be useful to have learnt a bit about the human body, and for pupils to understand that we use our lungs to breathe. You could show pupils where our lungs are situated in our bodies, perhaps on a poster or with a simple video about lungs.

Time	Teacher Activity	Adaptations
10 mins	Using the <b>Lesson Presentation</b> , ask children what they already know about air pollution. Can they identify some of the leading causes of air pollution? Discuss what air pollution is and what contributes to it.	Explain vocabulary in the presentation as required. Invite and answer questions throughout to ensure pupils' understanding.
10 mins	Introduce the fictional Sunnyfield Primary School and explain to the children that they will be pollution investigators today. Ask the children if they can think what some causes of air pollution around schools could be.	Prompt the children to use the pictures on the presentation to aid their thinking.
15 mins	Split the class into 8 groups, one for each area of the school. Give each group one of the <b>School Information Cards</b> and a <b>Pollution Assessment Log</b> . Allow each group time to analyse the image and read the scenario. Explain that they should record their findings in preparation to report back to the class their recommendations for how to improve the air quality around their given area.	You could use multi-ability grouping to support individual learners.
15 mins	Allow each group to present their findings and recommendations for improving air quality in their given area. Discuss with the class what they have learned today and what they can do in their everyday lives to contribute to better air quality.	Remind children of the scenario for their area to help them think about what could be improved.
5 mins	Share the information about Asthma + Lung UK and ask the children to share one thing they will do as a result of this lesson to help us breathe cleaner air.	Provide the children with some sentence starters to assist their thinking. "To help us breathe cleaner air, I will...."



## Lesson reflections / next steps / teacher notes

### **Assessment opportunities**

- Can pupils identify some causes of air pollution?
- Can pupils describe why air pollution is harmful to us?
- Can pupils identify actions we can take to improve the air quality?

### **Suggestions for future learning**

- Pupils could write a letter to the local MP with their recommendations to improve the air quality and how the government can play their part in improving the air quality in communities.

### **Home learning opportunities**

- Pupils could conduct the same experiment at home or around their local area to provide recommendations to improve the air quality.
- Pupils could present their findings to parents at home so that their parents know what to do to help improve air quality.