

# Pollution Catcher

This simple yet effective activity can be used as part of an eco-schools project, but also covers the curriculum topics of art and design and science. Air pollution is an important and current issue affecting many of us living in the U.K. and by engaging in this experiment it allows for a wider discussion on why we need clean air.

Please remember to inform your children that only larger particles of airborne debris will be caught on their pollution catchers and that pollution, like germs, can be the most dangerous when it cannot be seen. (Small particles of diesel emissions for example)

A map of daily air pollution can be accessed at <https://uk-air.defra.gov.uk> and used as part of your discussion around this topic.

## Curriculum Links:

### Science:

KS1

#### Animals including humans

- Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)

KS2

#### Living things and their habitats:

- Recognise that environments can change which can sometimes pose dangers to living things. Pupils should explore examples of human impact (both positive and negative) on environments.

#### States of matter:

- Compare and group materials together, according to whether they are solids, liquids or gases.

## Art and design

KS1

- To use a range of materials creatively to design and make products
- To use drawing, painting and sculpture to develop and share their ideas, experiences and imagination

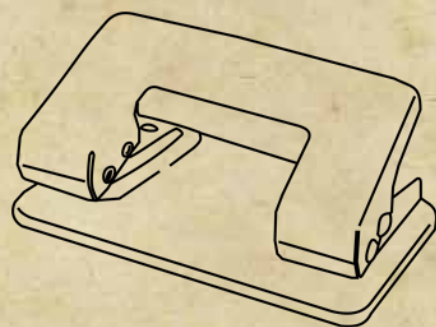
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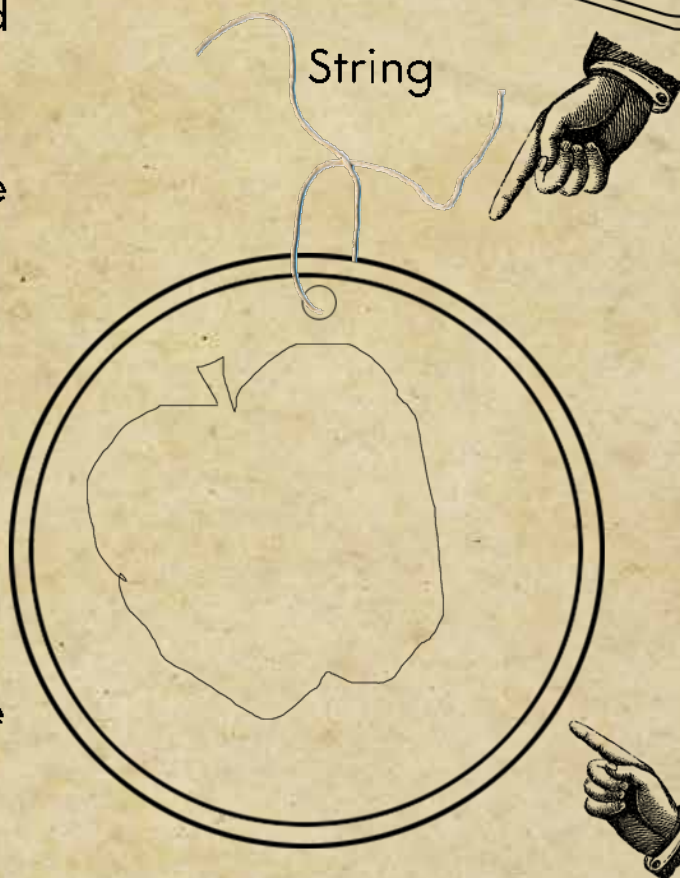
## Pollution Activity 3 - A pollution catcher

We can see some pollution in the air, but not all. Try this experiment to find what is floating around in the air by you.



1. Take a plastic plate and using a hole punch make a hole in the top. Tie a piece of string to the plate so you can hang it up.

2. Using a permanent marker draw an outline of something that you think represents nature. Use your imagination to design a symbol for a healthy planet. Practice on a piece of paper first.



3. Use Vaseline to colour in your picture. Why do you think this will catch pollution?



4. Hang your pollution catchers around the school grounds and have a look at them over the next few weeks. What can you see is happening?

*Remember to hang your catchers in different areas in your school grounds to find out how pollution levels change.*