

Global Goals 3: Good Health and Well-being

Air Quality Investigation



Instructions:

This goal promotes healthy lifestyle's, preventative measures and modern, efficient healthcare for everyone. Try this [quiz](#) to test your knowledge on goal three. Then investigate air quality in and around your school using the activity below. Consider the causes of air pollution and its effect on student's health and the environment.

Activity:

You will need:

- 4 white tiles or postcards (Option: Toilet roll holder)
- Petroleum Jelly
- Sticky tape
- Glue
- Magnifying Glass



Discussion Points before:

- What is Air Pollution? What is it made up of?
- What is particulate matter?
- How does this affect our health?
- Ask the students for predictions; where might Air Quality be worst in the school?

Instructions:

- Smear the tiles or postcards with Vaseline and place in 4 locations around the school.
- Leave the tiles or postcards for approximately 2 days to get the best results.
- Collect the samples and analyze using a magnifying glass.
- Record the results for the different site locations on a graph and discuss the findings in relation to particulate matter found.

Discussion Points After:

- What are the solutions to air pollution?
- Discuss the benefits of the following; walking, cycling, public transport and car pooling as alternatives.
- A great deal of work is underway to measure and improve air quality in Ireland. <https://greenschoolsireland.org/new-air-quality-toolkits-launched/> Visit the '[GLOBE](#)' project or www.epa.ie for further information.