



The Air Quality Group

Exposure to toxic gases and particulate matter,
typically found from vehicle emissions,
**shortens the lives of approximately 30,000 people
every year.**

Understanding and improving the air quality outside your school

Introducing the AQY Monitor

The AQY Monitor offers you the ability to monitor and measure the air quality in real-time. What does that mean? Well, it helps you to understand the impact of pollution at busy parts of the day and offers solid evidence to promote and support change that will benefit the pupils and staff at your school.



- **The AQY Monitor is an internationally certified monitor that provides real-time, live data relating to the air and the level of pollution.**
- The equipment can be installed easily and quickly, with minimal ongoing maintenance.
- **Data is available in a clear visual format, simple to manipulate and use across a range of platforms.**
- Real and local data can help drive change in behaviours relating to how we use vehicles and when.

How the AQY monitor supports learning

Curriculum aligned

The features of the AQY Monitor enable pupils to view, measure and analyse the data collected. Using it regularly enables trends to be highlighted and it can relate directly to statutory requirements for pupils, such as those listed below for KS2 children:

- Interpreting and constructing pie charts and line graphs and using these to solve problems.
- Calculating and interpreting the mean as an average.

Engaging with other schools

The AQY Monitor allows your school to work with other schools to compare and contrast readings. This is a fantastic feature that enables pupils to see first-hand the impact on the air in different settings. A village school may choose to work with an inner-city school to look at ways they can both help each other. This can be done teacher-to-teacher but also allows for pupils to interact directly and work together.

Preparing for the future

Offering children the chance to understand the world in which they live provides them with a chance to learn how best to enhance it. By understanding the impact of air pollution from an early age, we are offering our children the chance to live in a cleaner, healthier world for them and their friends and families.

The benefits of monitoring the air outside your school

- ✓ Collecting and monitoring data can help to educate people regarding the impact of vehicle use on the air in and around our schools.
- ✓ Highlighting the levels of pollution can support change in behaviour when it comes to vehicle use.
- ✓ Understanding air pollution and its impact can directly shape behaviours of this generation and those to follow.
- ✓ Reducing vehicle usage can bring a safer environment for children, parents and members of staff arriving and leaving school.
- ✓ The data can be used in a way to support learning across the EYFS/KS1 and KS2 curriculum.

Contact

To discuss how we can support you in understanding and improving the air quality at your school, an initial site visit booking can be made via our web site.

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For more information about the AQY Monitor, please visit: -

[TheAirQualityGroup.co.uk](https://www.TheAirQualityGroup.co.uk)