

GLOBE Europe/Eurasia Air Quality Presentation

Dunboyne Senior Primary School
Thursday 3rd April 2025





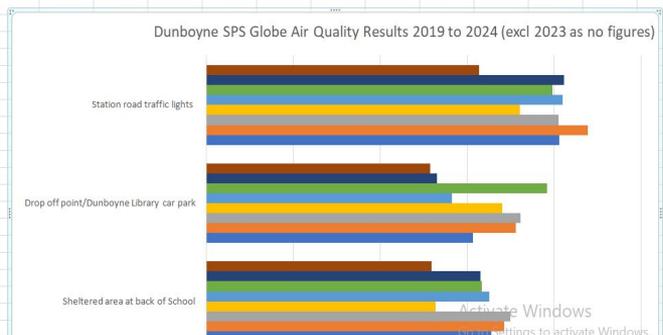
We worked as citizen scientists and took action to improve the air quality in our environment by:

- Writing songs to raise awareness about air quality/environment and small changes we can each make to improve it.
- Cloud Observations-uploaded data on the Globe Observer App to help Nasa.
- Created and performed a christmas play for with a climate action message. Performed this for the school and our parents to raise awareness.
- Took part in Engineers Ireland Steps Project where we worked with local engineers to create solutions and prototypes that would help improve the air quality in our local environment.
- No Idling Poster Competition. Reminding grown-ups not to idle.
- Planted trees in our school garden near the road where lots of cars idle and traffic is very heavy.
- Conducted Traffic Idling Surveys
- Lichen Trail
- Golden Boot-A whole School initiative encouraging everyone to walk, scoot or cycle to school.
- Created a wormery. We now have our own compost.
- Created an indoor class garden and introduced 5 snakes plants to clean the air.
- Went on a Lichen trail, looking for leafy, bushy and crustose lichen.
- Raised awareness of our work at Science Blast and local Saint Patrick's Day Parade in our village.
- Updating our school Twitter account with our progress
- Built a rainwater planter in our garden to harvest water that was pooling.

Our Results:

The air quality in the different locations has improved from the same period in November 2022. We are very happy that our nature based solutions to improving air quality have made a positive contribution to our #DUNBOYNECLEANAIR initiative in association with Dunboyne Tidy Towns.

	Oct-19	Feb-20	Nov-20	Apr-21	Nov-21	Mar-22	Nov-22	Nov-24
Sheltered area at back of School	16.4	17.12	17.48	13.17	16.26	15.84	15.76	12.94
Drop off point/Dunboyne Library car park	15.34	17.79	18.07	17.02	14.11	19.56	13.27	12.89
Station road traffic lights	20.27	21.9	20.24	18.03	20.49	19.88	20.55	15.69





Measuring the air in the classroom with our new snake plants.



Measuring the rainfall



Testing the Ph of the rainwater.

Raising awareness at Science Blast and at Dunboyne St. Patrick's Day Parade.



Thank you!

We would like to say a special thank you to *GLOBE* Ireland for all of their support for all of our *GLOBE* projects in Dunboyne Senior Primary School! We have really enjoyed working as citizen scientists. It has been a very rewarding and educational experience for our school community!!



Our song: Working Together for a Better World

