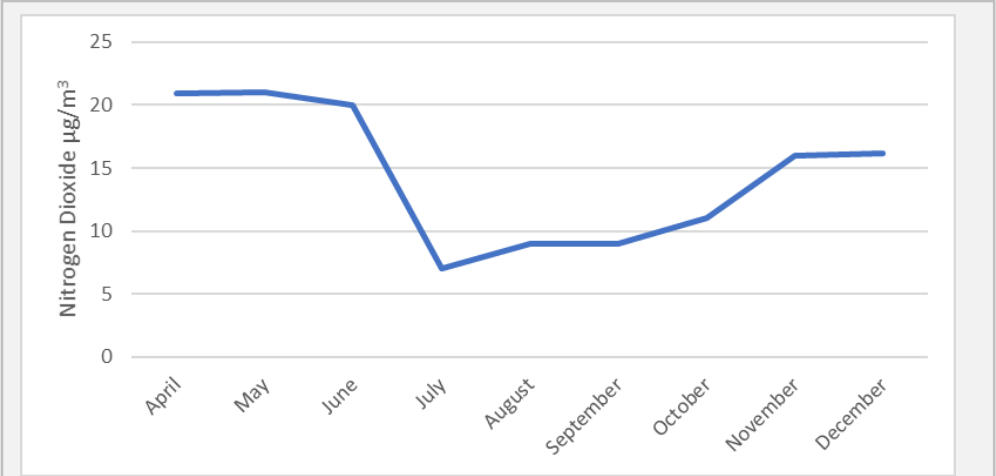
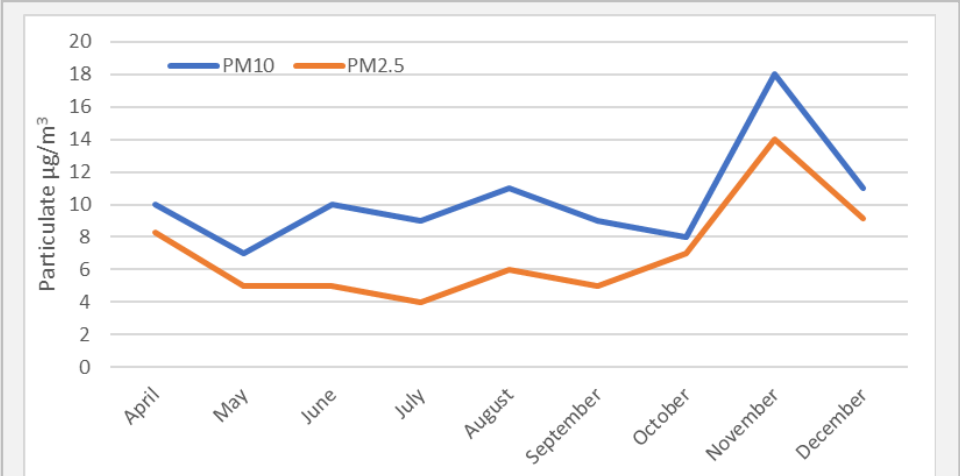


Air Quality Survey Factsheet (2022) - Raddlebarn Primary

To raise awareness of air quality Birmingham City Council has installed a number of Airly air quality sensors in schools across the city. Raddlebarn Primary is one of the schools taking part, with the sensor installed on the 29th March 2022. Live data can be viewed via [Air Quality Map - Check air pollution in your area - MyAirly](#) The Airly sensors monitor for a number of pollutants, of particular importance are Nitrogen Dioxide and Particulate.



Nitrogen Dioxide is an odourless gas which is generated by burning fossil fuels. Vehicle emissions generate higher levels of Nitrogen Dioxide. Generally levels of Nitrogen Dioxide are low during the summer and high during the winter due to more vehicles traveling in winter months and the cold weather that traps pollution close to the ground.



Particulate Matter are fine grains of dust that come from numerous sources, things like brake pads and tyre wear, wood burners, bonfires, fireworks and construction sites. PM₁₀ and PM_{2.5} are microscopic in size, with PM_{2.5} being the smaller of the two.

Air Quality Index



[#RepairTheAir](#)

For more information on air quality see

- [Health matters: air pollution - GOV.UK \(www.gov.uk\)](#)
- [Home - Defra, UK](#)
- [www.Birminghamairquality.co.uk](#)

Any questions please contact Pollution.Team@birmingham.gov.uk

As of 2022, the sensor has recorded a running average of

- Nitrogen Dioxide (NO₂) = **14** µg/m³ (Legal limit 40 µg/m³ Annual Average)
- PM₁₀ = **10** µg/m³ (Legal limit 40 µg/m³ Annual Average)
- PM_{2.5} = **7** µg/m³ (Legal limit 25 µg/m³ Annual Average)

