

Appendix A3

Due to the deployment rate of the School Streets project only one school had current and historic air quality data to compare – Coleridge School.

Due to the COVID pandemic and the associated lockdowns the 2020 air quality data would not be representative of the transport and the air quality issues, nor reflect the schools opening (which was intermittent). For the purpose of this report the 2019 data has been used (before the School Street was in place) as comparison to the 2021 (which is after the School Street has been implemented).

Table one shows the NOx Levels (in $\mu\text{g}/\text{m}^3$) outside Coleridge School by month.

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
NOx Levels (2019)	41	46	34	44	38	26	Missing data	34	40	36	38	38
NOx Levels (2020)	38	34	21	25	16	28	28	30	34	40	37	21
NOx Levels (2021)	32	33	31	33	32	28	28	22	41	30	28	29
NOx Levels (2022)	31	31										

This table shows the NOx levels at Coleridge Primary School by month over the last 3 years. The cells highlighted in orange show the air pollution levels while country was in various states of lockdown. This means that due to lower levels of road traffic air pollution levels are expected lower than normal. The cells that are not highlighted we have regarded as “normal traffic levels” as the country was not in lock down. The Green cells show the air pollution levels once the school street was in operation. For the purpose of comparison, we will be comparing the before (white cells) with the after (green cells).

From this data when comparing the air pollution levels with a normal traffic pattern (the white cells) with the air pollution levels when the School Street was operational (green cells). There is an average of 30% reduction in NOx levels at this location once the School Street in in operation¹.

The Haringey data is backed up with similar GLA data collected on School Streets in 2021. This study showed from a sample of 35 schools from Enfield, Brent, and Lambeth, that Nitrogen Oxide levels dropped by 23% outside the schools monitored where a School Street was implemented. - This data indicates a significant reduction in nitrogen oxides during pick up and drop off delivered by School Streets. A time where several hundred children who are attending these schools would otherwise be exposed to dangerous emissions of Nitrogen Oxides.

¹ Oct 2019 compared to Oct 2021 (-20%), Nov 2019 compared to Nov 2022 (-35%), Dec 2019 compared to Dec 2021 (-31%), Jan 2020 compared to Jan 2022 (-22%), and Feb 2020 compared to Feb 2022 (-48%)