

Fresh Air Kids 2016 Interim Report



OVERVIEW

The Fresh Air for Kids Program aims to educate elementary students on the importance of air quality, highlight the Air Quality Health Index and increase awareness of what Hamiltonians can do to improve the air in our local neighbourhoods.

Partners

The program is a partnership between:

- Clean Air Hamilton
- Ministry of Environment and Climate Change
- Public Health Services
- Green Venture
- Corr Research

MOECC Monitoring Van



**Van outfitted with a
range of real-time
monitors for:**

CO

NO

NO₂

PM₁₀, PM_{2.5}, PM₁

SO₂

A GPS system

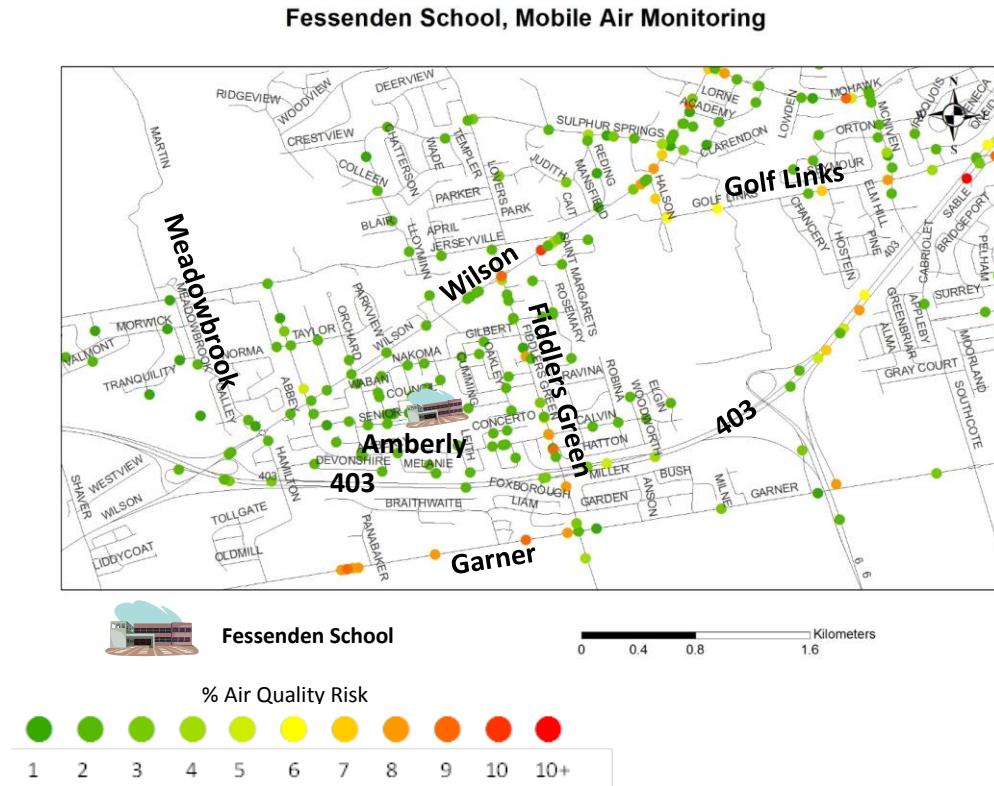
School Neighbourhood Air Quality Maps

Fessenden School, Mobile Air Monitoring



0 0.4 0.8 1.6 Kilometers

Best Air Quality Ways To Get To Fessenden School



“Best air quality ways
to get to school”
Class Projects

You will need two different coloured pens.

What is the better way to go to school from your home to breathe better air? Draw on the map using one colour.

What is the not so good way to go to school from your home to breathe better air? Draw on the map using the other colour.

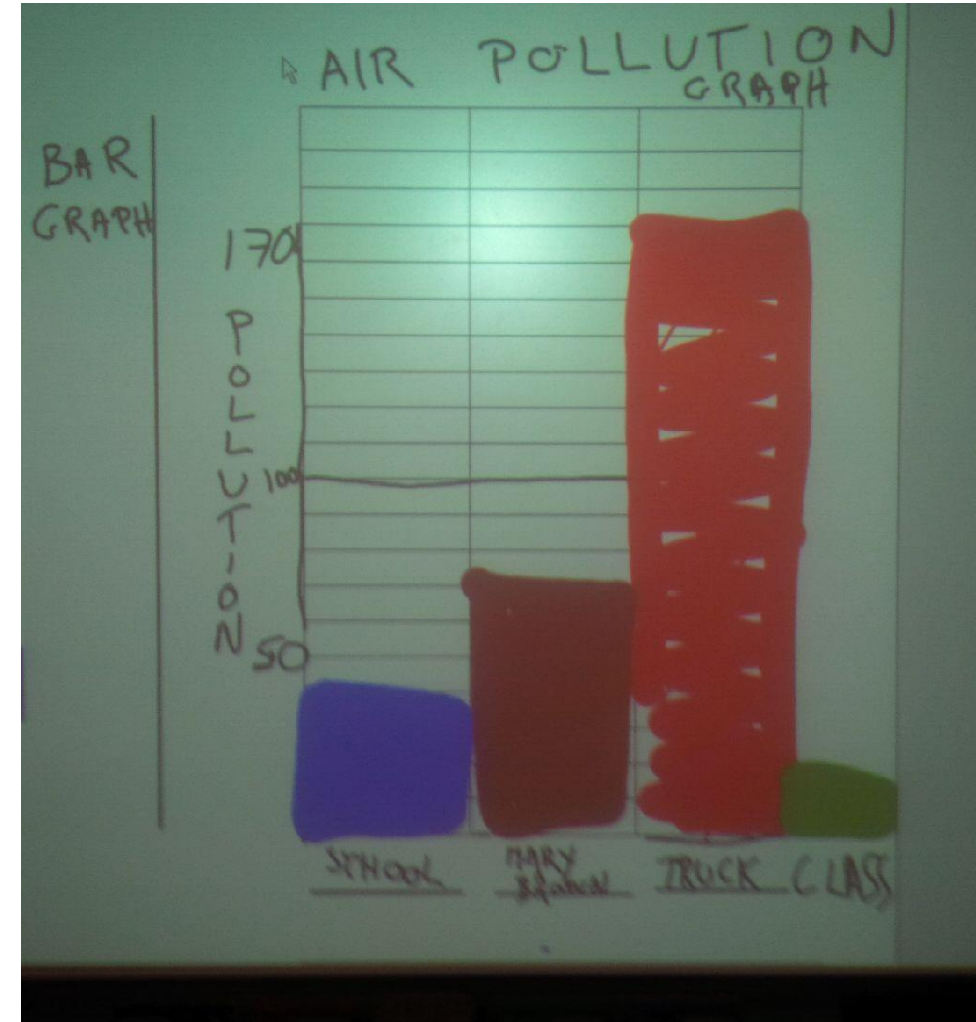
Label the colours, the one which is better and the one which is not so good.

What can you do to help make the air quality better?

What can you do to breathe less air pollution?

In School Programming

- Air quality information
- Air Quality Health Index
- Air quality game
- Neighbourhood air monitoring using handheld device
- Graphing
- “Best Air Quality Ways to get to school” project



Schools for 2016 Fresh Air Kids

Four schools have been identified and contacted for the 2016 program:

- Fessenden Primary Public School
- Regina Mundi Primary Separate School
- St. Bernadette Primary Separate School
- Dundas Central Primary Public School

School Neighbourhood Mapping

- All four school neighbourhoods have been monitored using the MOECC air quality van
- All data have been analyzed and GIS maps prepared
- All four “Best Air Quality Ways to get to school” project sheets have been prepared

In-School Programming

One school (Fessenden) has completed in-school programming, the remainder are anticipated to be completed in February 2017.

Reasons for the delay include:

- Funding for monitoring component not received until July 2016 during school vacation
- Funding for in-school programming not received until December 2016
- Scheduling challenges with schools
- Data collection system in van becoming inoperable, requiring new installation

School Boards Outreach

A major public meeting, “Air Quality & the School Commute Event” is being jointly planned for March 23rd, 2017 by Public Health (Kelly Scott) and both school boards.

This event is intended to:

- highlight the research of Professor Matthew Adams on vehicle idling outside schools
- idling impact on schoolchildren
- promote Clean Air Hamilton’s Fresh Air Kids program
- celebrate schools and students involved to date in the program