



Fresh Air for Kids, 2023

May 8th, 2023

Mackenzie Whitten

Liesel Knight-Messenger



Funding Partners:



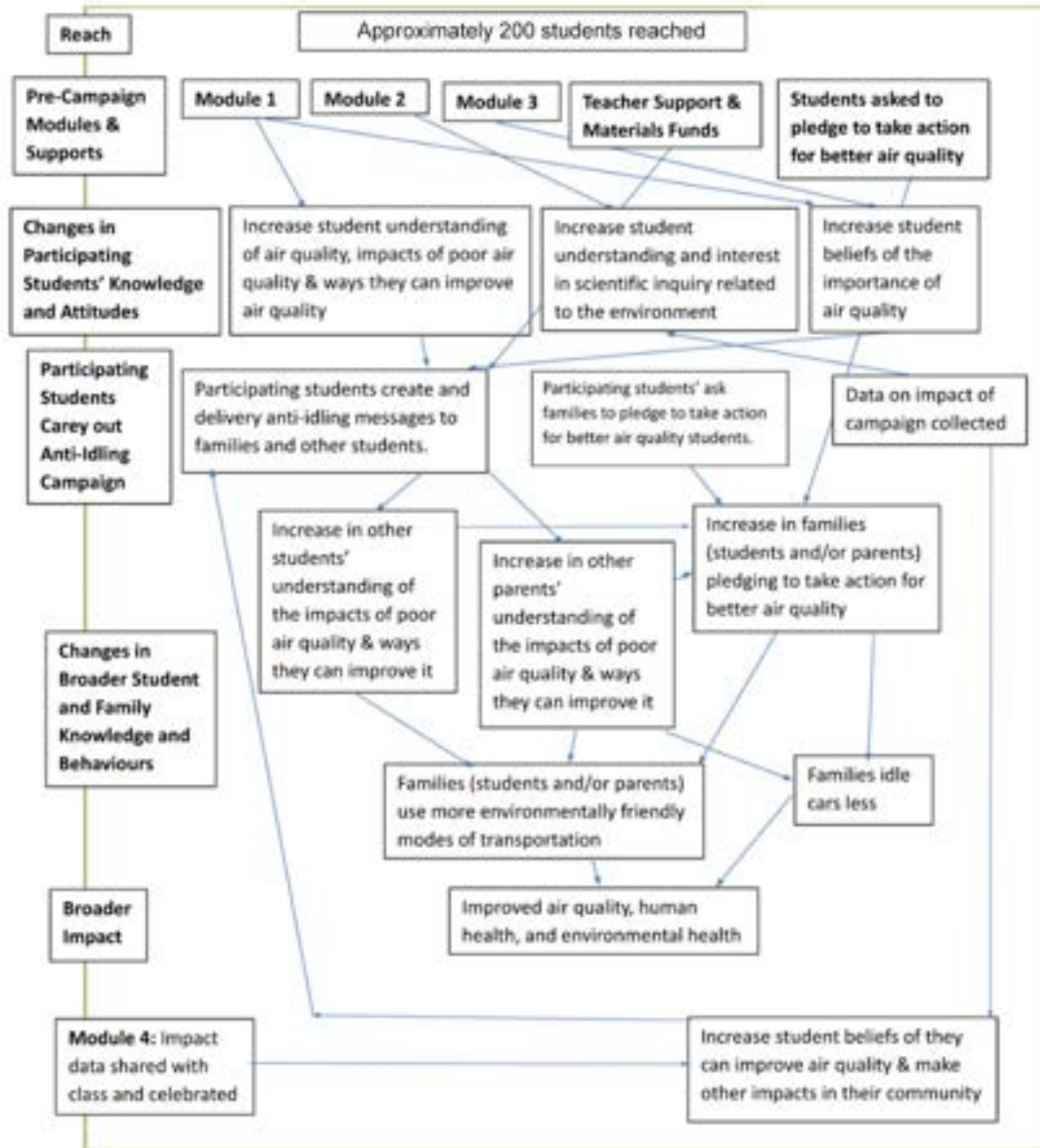
Health Canada

Technical Partners:





Pathway to Change





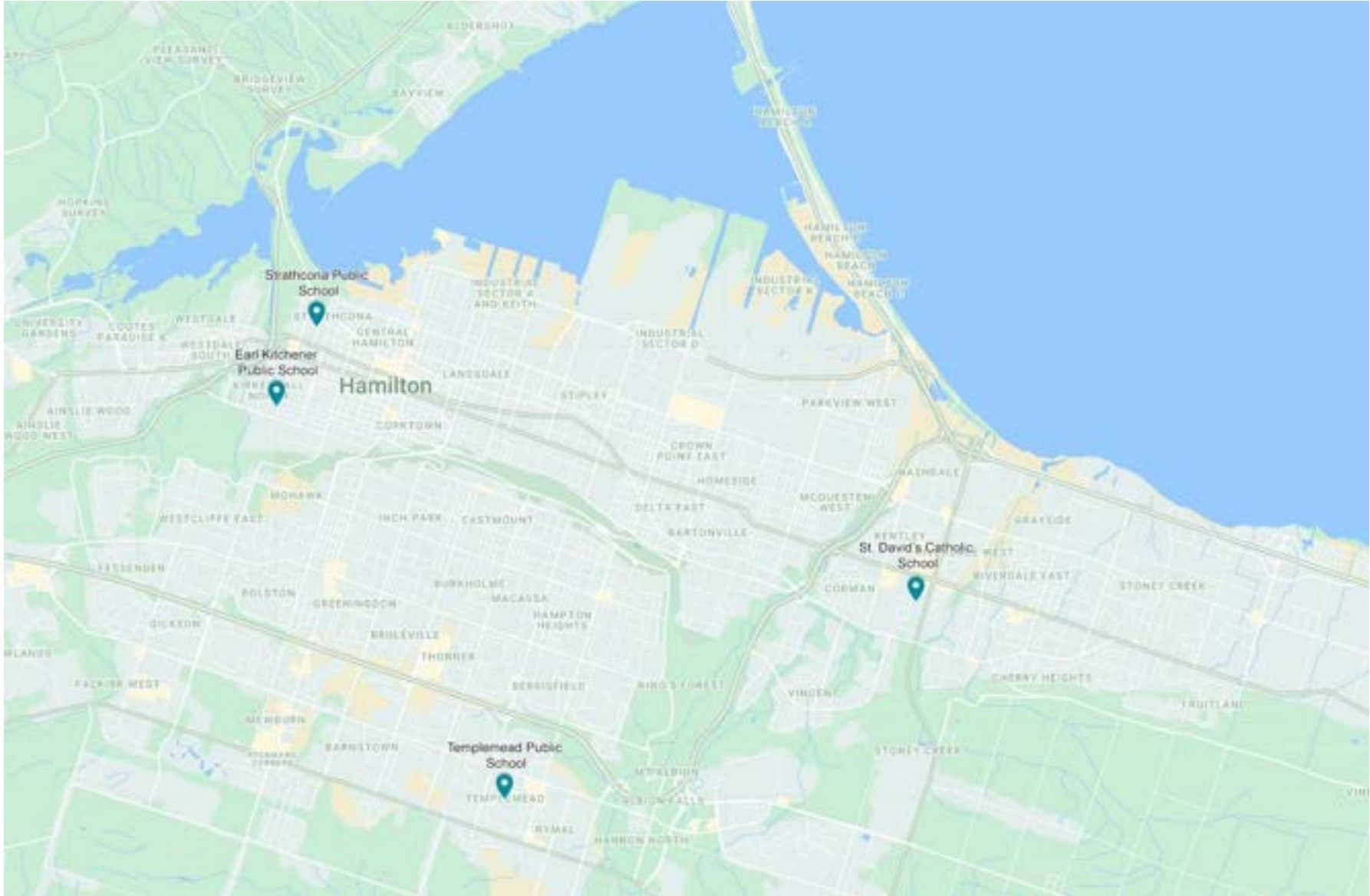
2022-2023 Participating Schools



School Name	Address/Classes	# of Students Participating
St. David's (HWCDSB)	33 Cromwell Crescent, Hamilton, ON L8G 2E9 Grade 3/4 class, Grade 5/6 class	48
Templemead (HWDSB)	62 Templemead Dr, Hamilton, ON L8W 3Z7 Grade 2/3 class, Grade 5/6 class	50
Earl Kitchener (HWDSB)	300 Dundurn St S, Hamilton, ON L8P 4L3 Three grade 5 classes	68
Strathcona (HWDSB)	10 Lamoreaux St, Hamilton, ON L8R 1V1 Two grade 5/6 classes	48

Program delivered to 9 classes across 4 schools in Hamilton

Map of School Locations



Program Delivery Outline



<p>Part 1: Air Quality Education</p> <p>Overview: 60 minute video call OR in person visit.</p>	<p>Part 2: Air Quality Monitoring</p> <p>Overview: 60 minute in person or virtual presentation, followed by a 30-45 minute walkabout at a later date.</p>	<p>Part 3: Creating A Campaign</p> <p>Overview: 60 minute video call followed by campaign delivery.</p>	<p>Part 4: Wrap Up</p> <p>Overview: Video call wrap up the program, length is up to the teachers discretion.</p>
<p>Description: Green Venture staff will introduce air quality, pollutant sources, how air quality affects human health, and play a cilia themed air quality game.</p>	<p>Description: Students join Dr. Corr in person or via live video. Dr. Corr will discuss local air quality issues, share the air quality data from the schools neighbourhood, and help students find the safest route to school.</p> <p>Afterwards, students join us outdoors for a neighbourhood walkabout to monitor air quality.</p>	<p>Description: Green Venture staff will introduce the idea and structure of a campaign. Together the group will workshop ideas for their campaign.</p> <p>After the call, during class time, students will create campaign materials and display them in their community on their own or with virtual assistance from Green Venture staff as needed.</p>	<p>Description: Students will share the results of their campaigns and Green Venture staff will talk to students about their favourite parts of the program, the results of their campaign and share their Certificates of Completion.</p> <p>Following this, students complete the program survey & return pledge forms.</p>

Part 1: Air Quality Education



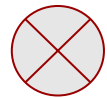
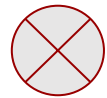
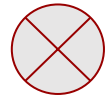
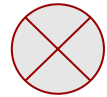
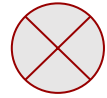
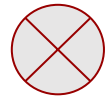
Liesel Knight-Messenger teaches one of St. David's grade 5 classes about air quality. Including the various sources of different air pollutants in the province.

2023

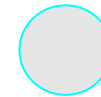
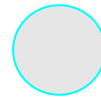
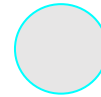
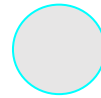
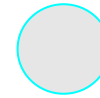
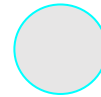
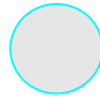


Air Quality Game!

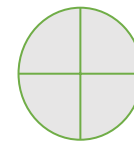
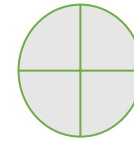
Cilia VS Polluters



Polluters



Cilia



Lungs

Part 2, Visit 1: Air Quality Monitoring



Best Air Quality Ways To Get To Strathcona School

Strathcona School, Mobile Air Monitoring



Example of neighbourhood air quality map developed by Corr Research using the MOECP van. This map is used during the 'Best Routes to School' exercise.

Part 2, Visit 2: Air Quality Monitoring



Dr. Denis Corr taking questions from a group of St. David's students in a field. Taken during a walkabout where they collected air quality measurements around their school's neighbourhood.

Air Quality Monitoring

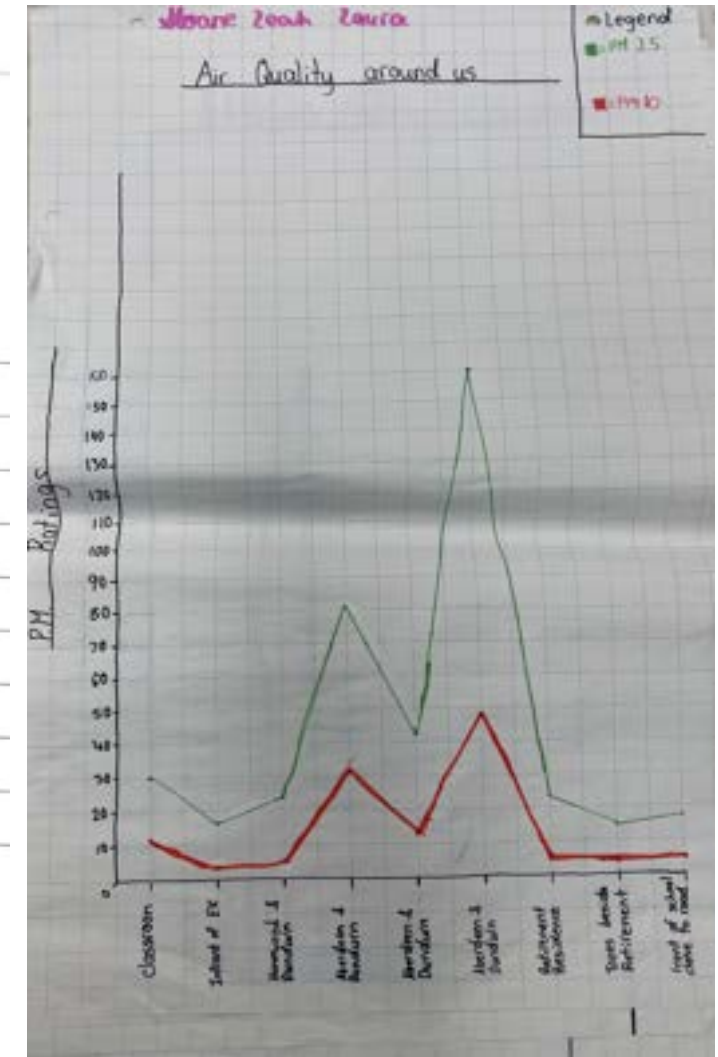


Names: _____

School: Ms. McCluskey's class

Date: March 5th 2023 Page _____

Time	Location	PM 2.5	PM 10	Comments
10:09	Classroom	30	11	
10:18	in front of school	16	3	no-thrust wind
10:20	Homewood + Dundurn	24	4	
10:24	Dundurn & Aberdeen	81	32	big, lots of traffic
10:25	" "	42	14	bus passing upwind
10:27	" "	160	48	beside bus
10:31	Retirement Residence	23	5	light traffic
10:33	Trees	15	2	
10:36	Street in front of school	18	4	light traffic



Walkabout data taken from the school neighbourhood and a graph made of one of the students from the data



Part 3: Creating The Anti-idling Campaign



Step 1:
Workshop your
campaign to develop
ideas

Step 2:
Deliver your
Anti-Idling Campaign!

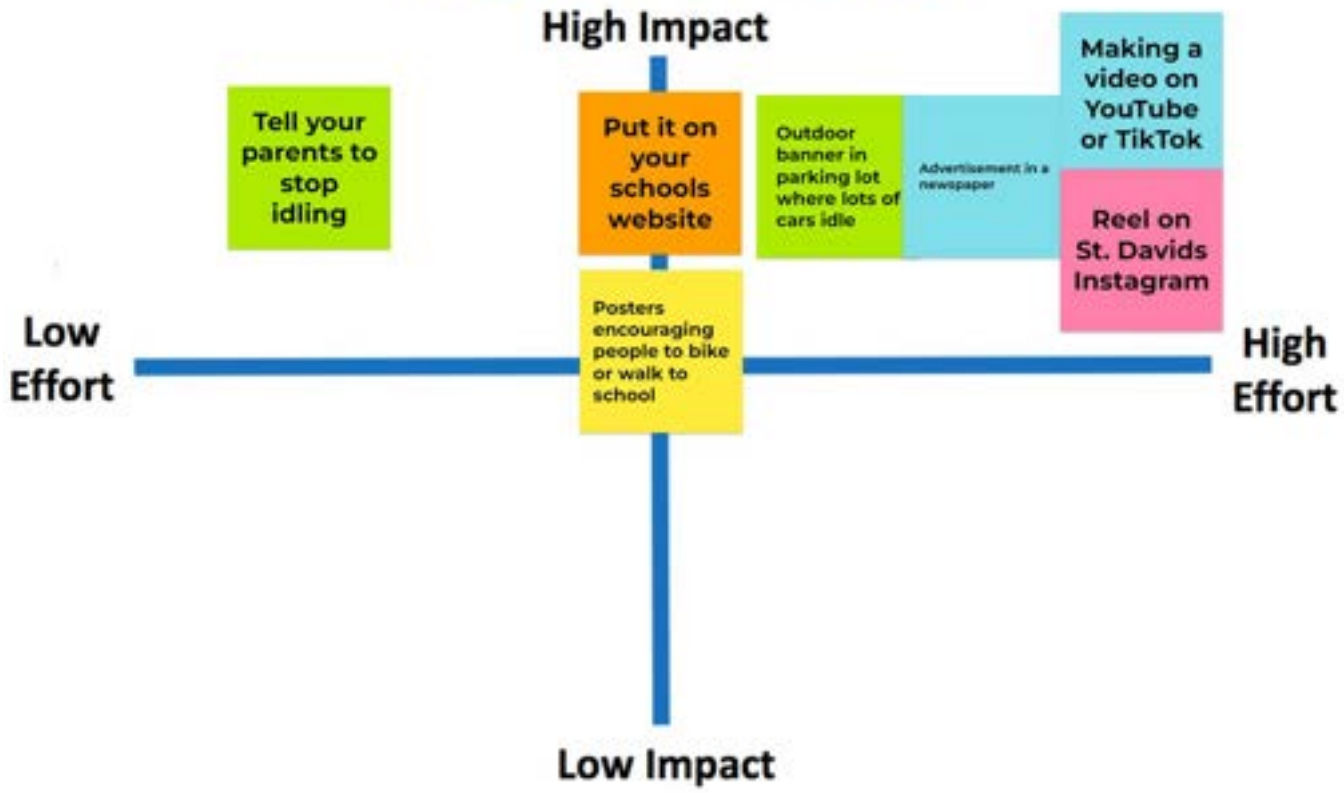
Step 3:
Wrap-up and share
results, continue to
teach others!



Part 3: Creating The Anti-idling Campaign



Impact-O-Meter



Students at St. David’s Catholic school work on helping to Spare The Air by developing ideas during their workshop. Students are encouraged to think of the viability of their ideas compared to the amount of impact they think they would have on the communities air quality.

Part 3: Anti-Idling Campaign Delivery



Students at Templemead work on their Anti-Idling Campaign materials to bring the message to their community!



Part 4: Wrap Up



Students present their own Air Quality presentations to Green Venture staff and share their new knowledge with their peers.





FAMILY PLEDGE FORM

Keep this copy at home!

To help protect air quality and our health in Hamilton, we pledge to:

Examples: not idle, walk to school, take the bus, carpool, ride my bike!

Signed: _____

Date: _____



Thank you for sparing our air!



FAMILY PLEDGE FORM

Please return this copy to school!

To help protect air quality and our health in Hamilton, we pledge to:

Examples: not idle, walk to school, take the bus, carpool, ride my bike!

Signed: _____

Date: _____



Thank you for sparing our air!

Student Pledges



STUDENT PLEDGE FORM
Please return this copy to school!

To help protect air quality and our health in Ontario, we pledge to:

I'm going to try my best

to tell my parents to not idle

Examples: not idle, walk to school, take the bus, carpool, ride my bike!

STUDENT PLEDGE FORM
Please return this copy to school!

To help protect air quality and our health in Ontario, we pledge to:

OPEN WINDOWS INSTEAD OF USING

the ac unless it makes it worse

Examples: not idle, walk to school, take the bus, carpool, ride my bike!

STUDENT PLEDGE FORM
Please return this copy to school!

To help protect air quality and our health in Ontario, we pledge to:

pond marcher à l'école

Examples: not idle, walk to school, take the bus, carpool, ride my bike!

Three pledges made by a grade 5 french immersion class at Earl Kitchener public school



FAFK in 2022 - 2023

- Goal: bring FAFK to 200~ students across Hamilton
- Fall 2022 Participating Schools:
 - St. David's Catholic School
- Winter 2023 Schools:
 - Templemead Public School
 - Strathcona Public School
 - Earl Kitchener Public School
- Multiple schools have inquired about participating next year





2023 Key Outcomes

- A total of 214 students across 4 schools were directly impacted through in-school participation of FAFK.
- Many more students and their families were or will be indirectly impacted
- Four schools were visited by Dr. Corr with the MECP mobile monitoring van
- Three schools are in the process of delivering an anti-idling campaign to their community
- One school has completed their anti-idling campaign





2023 Key Outcomes

- We are still in the process of wrapping up, but we have received the post program survey back from 2 classes
- An example of something additional a student and their family did to improve air quality
 - “We went door to door ask and telling about idling and how it is bad and can affect our world and told them how to stop and save the worlds air”
- Many students highlighted the most important thing they learned from our program to be stopping idling or working to protect our health and that of the environment

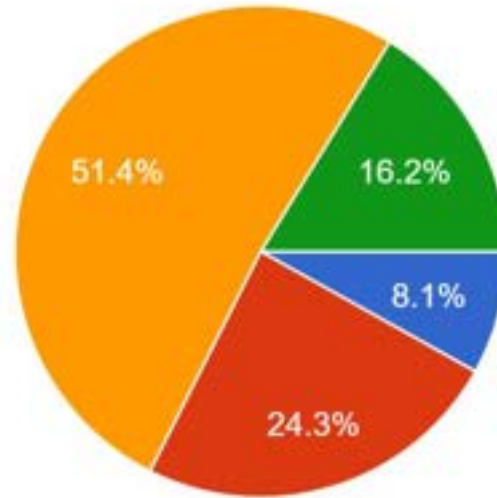




2023 Key Outcomes

How did Fresh Air For Kids change your knowledge of how you can improve air quality?

37 responses

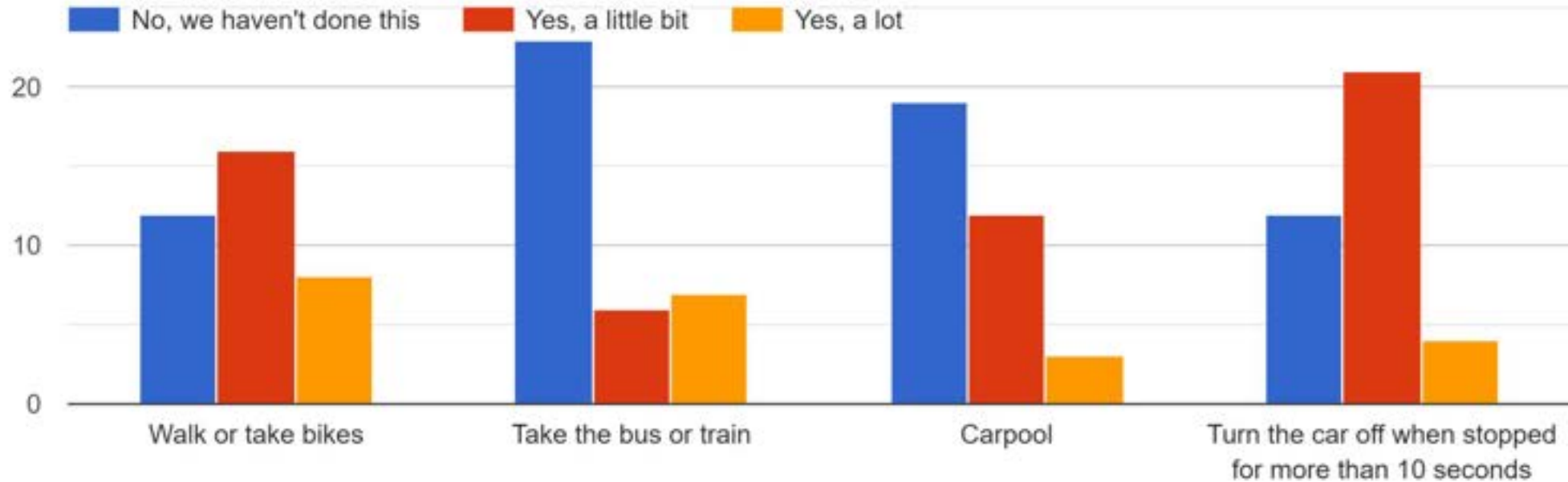


- Did not change it
- Increased it slightly
- Increased it a good amount
- Increased it a lot



2023 Key Outcomes

Since starting Fresh Air for Kids, have you or your family done any of the following to reduce car use?





Thank You, Clean Air Hamilton!

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