



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School boards are optimizing air quality in schools through improved ventilation and filtration. Implemented measures are dependent on the type of ventilation and feasibility within the context of school facilities and related building systems. This is a key element in the multiple protective strategies being employed to reduce the risk of COVID-19 transmission and support healthier and safe learning environments for students and staff.

MEASURES TO HELP REDUCE TRANSMISSION RISK IN INDOOR SETTINGS



Ventilation: Increasing the flow of outdoor/fresh air for diluting the concentration of any infectious particles.



Filtration: Involves the use of different types of fibrous media designed to remove particles from the airstream.

SCHOOL BOARD VENTILATION STRATEGY

- To have all ventilation systems inspected and in good working order prior to the start of the school year.
- To use the highest grade filters possible, with a preference to use Merv 13 and to undertake frequent filter changes throughout the year.
- To operate ventilation systems 2 hours before and after school and to calibrate HVAC systems for increased fresh air.
- To upgrade all locations with natural ventilation to a full ventilation system.



SUDBURY CATHOLIC DSB School Board Ventilation PROFILE

SCHOOL BOARD WIDE INVESTMENTS

2020-21 School Year

Ventilation Funding*



\$2.0M

2021-22 School Year

Ventilation Funding*



\$2.0M

4

Ventilation projects completed

7

Ventilation projects in progress / planned

18

Schools receiving an investment, which is
100% of total schools in the board.

18

Schools to receive an investment, which is
100% of total schools in the board.

Note: *This includes includes spending from dedicated ventilation programs, federal-provincial funding, provincial renewal funding and supplemental funding from other board sources.

STANDALONE HEPA FILTER UNITS DEPLOYED



211



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. Albert Adult Learning Centre
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*		
Ventilation assessed		✓
Running ventilation systems longer		✓
Higher grade filters installed		✓
Increased frequency of filter changes		✓
Increased fresh air intake (windows and/or mechanical ventilation systems)		✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable	
Standalone HEPA filter units in place		17

*Some measures may not be feasible within the context of a school facility/site and related building systems.

**High-Efficiency Particulate Air (HEPA)



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. Anne Catholic Elementary School
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*

Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	30

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**High-Efficiency Particulate Air (HEPA)



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. Benedict Catholic Secondary School
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*	
Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	8

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**High-Efficiency Particulate Air (HEPA)



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	Bishop Alexander Carter Catholic Secondary School
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*		
Ventilation assessed		✓
Running ventilation systems longer		✓
Higher grade filters installed		✓
Increased frequency of filter changes		✓
Increased fresh air intake (windows and/or mechanical ventilation systems)		✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable	
Standalone HEPA filter units in place		10

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**High-Efficiency Particulate Air (HEPA)



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. Charles College
Ventilation System	Mechanical Ventilation
School Ventilation and Filtration Measures*	
Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	38

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**High-Efficiency Particulate Air (HEPA)



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. Charles Catholic Elementary School
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*		
Ventilation assessed		✓
Running ventilation systems longer		✓
Higher grade filters installed		✓
Increased frequency of filter changes		✓
Increased fresh air intake (windows and/or mechanical ventilation systems)		✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable	
Standalone HEPA filter units in place		19

**Some measures may not be feasible within the context of a school facility/site and related building systems.*

***High-Efficiency Particulate Air (HEPA)*



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. David Catholic Elementary School
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*	
Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	4

**Some measures may not be feasible within the context of a school facility/site and related building systems.*

***High-Efficiency Particulate Air (HEPA)*



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. Francis Catholic Elementary School		
Ventilation System	Mechanical Ventilation		
School Ventilation and Filtration Measures*			
Ventilation assessed			✔
Running ventilation systems longer			✔
Higher grade filters installed			✔
Increased frequency of filter changes			✔
Increased fresh air intake (windows and/or mechanical ventilation systems)			✔
Standalone HEPA** filter units deployed in portables, as needed		Not Applicable	
Standalone HEPA filter units in place			13

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**High-Efficiency Particulate Air (HEPA)



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	Holy Cross Catholic Elementary School
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*	
Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	7

**Some measures may not be feasible within the context of a school facility/site and related building systems.*

***High-Efficiency Particulate Air (HEPA)*



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	Holy Trinity Catholic Elementary School
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*	
Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	6

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**High-Efficiency Particulate Air (HEPA)



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	Immaculate Conception Catholic Elementary School
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*	
Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	4

**Some measures may not be feasible within the context of a school facility/site and related building systems.*

***High-Efficiency Particulate Air (HEPA)*



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. James Catholic Elementary School
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*

Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	9

*Some measures may not be feasible within the context of a school facility/site and related building systems.

**High-Efficiency Particulate Air (HEPA)



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. John Catholic Elementary School
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*

Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	5

*Some measures may not be feasible within the context of a school facility/site and related building systems.

**High-Efficiency Particulate Air (HEPA)



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. Joseph Catholic Elementary School
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Ventilation System	Non-Mechanical Ventilation (Natural Ventilation / Exhaust Only)
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School Ventilation and Filtration Measures*	
Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	6

**Some measures may not be feasible within the context of a school facility/site and related building systems.*

***High-Efficiency Particulate Air (HEPA)*



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. Mark Catholic Elementary School		
Ventilation System	Non-Mechanical Ventilation (Natural Ventilation / Exhaust Only)		
School Ventilation and Filtration Measures*			
Ventilation assessed			✓
Running ventilation systems longer			✓
Higher grade filters installed			✓
Increased frequency of filter changes			✓
Increased fresh air intake (windows and/or mechanical ventilation systems)			✓
Standalone HEPA** filter units deployed in portables, as needed		Not Applicable	
Standalone HEPA filter units in place			2

**Some measures may not be feasible within the context of a school facility/site and related building systems.*

***High-Efficiency Particulate Air (HEPA)*



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	Marymount Academy
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Ventilation System	Mechanical Ventilation
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School Ventilation and Filtration Measures*	
Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	23

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**High-Efficiency Particulate Air (HEPA)



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	St. Paul Catholic Elementary School
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Ventilation System	Mechanical Ventilation
---------------------------	------------------------

School Ventilation and Filtration Measures*	
Ventilation assessed	✓
Running ventilation systems longer	✓
Higher grade filters installed	✓
Increased frequency of filter changes	✓
Increased fresh air intake (windows and/or mechanical ventilation systems)	✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable
Standalone HEPA filter units in place	5

**Some measures may not be feasible within the context of a school facility/site and related building systems.*

***High-Efficiency Particulate Air (HEPA)*



SUDBURY CATHOLIC DSB SCHOOL BOARD VENTILATION PROFILE

School Name	Pius XII Catholic Elementary School		
Ventilation System	Mechanical Ventilation		
School Ventilation and Filtration Measures*			
Ventilation assessed			✓
Running ventilation systems longer			✓
Higher grade filters installed			✓
Increased frequency of filter changes			✓
Increased fresh air intake (windows and/or mechanical ventilation systems)			✓
Standalone HEPA** filter units deployed in portables, as needed	Not Applicable		
Standalone HEPA filter units in place			5

*Some measures may not be feasible within the context of a school facility/site and related building systems.

**High-Efficiency Particulate Air (HEPA)