

CANTON PUBLIC SCHOOLS



Dr. Jennifer Fischer-Mueller
Superintendent of Schools

Derek F. Folan, M.Ed.
Assistant Superintendent

Dianna Mullen, M.Ed.
Director of Student Services

960 Washington Street, Canton, MA 02021
Telephone: 781-821-5060
Fax: 781-575-6500
www.cantonma.org

Barry S. Nectow
School Business Administrator

The school department recently hired 2 consultants to review building HVAC Systems and test air quality in the 6 buildings occupied by staff and students of the Canton Public Schools.

The 2 firms are:

Universal Environmental Consultants, Framingham, MA

UEC provides Indoor Air Quality Studies aimed at providing our clients with cost-effective evaluations, recommendations and solutions. Our past experience includes Air Quality Studies in hospitals, colleges, commercial buildings, retail establishments, schools, and government offices.

We perform air quality studies by collecting and analyzing demographic information in the workplace to statistically evaluate and prioritize problems. This analysis allows us to create a schedule and protocol of only those tests that are necessary, thereby keeping the evaluation cost-effective.

BLW Engineers, Inc.

BLW Engineers is a consulting engineering firm providing design related services for HVAC, Plumbing, Fire Protection and Electrical building systems. Our services include feasibility studies, energy conservation evaluations, and engineered designs; cost estimating, construction administration and project management.

BLW Engineers, Inc. was founded in 1999 and has 49 employees, including electrical, mechanical, plumbing and fire protection engineers. BLW has extensive experience working within corporate environments and understands the special needs and time frames involved when working within occupied facilities. Our project managers are registered professional engineers that work on each project to ensure a complete and fully operable system will be provided.

Principals Kenneth R. Beck, William J. Scanlon, John C. Pierga and Michael J. Denommee have experience in the design of building systems for various size and types of projects. In addition, the firm is thoroughly experienced with the preparation of bidding documents for public bidding laws, including M.G.L. c.149 and c.30.

Attached is a listing of relevant and similar projects recently completed by BLW.

*The Canton Public Schools does not discriminate on the basis of race, color, religion, national origin, sex, gender identity, sexual orientation, age, disability or homelessness.
Equal Opportunity Employer (EOE)*

CANTON PUBLIC SCHOOLS



The reports for all 6 school buildings suggest our buildings are safe and well maintained and include a series of recommendations. Based on the recommendations from the 2 consulting forms, the JLMC agree to take the following actions:

1. All Univentilators throughout the district will be cleaned;
2. All HVAC equipment will be set to maximize fresh air intake in buildings. The setting is commonly referred to “economizer” mode;
3. Filters for all HVAC and exhaust equipment will be changed 4 times a year or more if needed;
4. Filters will be upgraded to the best filters available that will not adversely impact the operation of equipment;
5. Exhaust systems will be running 24 hours a day, 7 days a week;
6. HVAC equipment will run 24 hours a day, Monday-Friday and while cleaning the buildings on weekend. The equipment will be turned on 2 hours prior to school occupancy on Monday morning;
7. During the school day and while cleaning on Wednesday and on weekends, windows will be open to allow for maximizing fresh air in buildings;
8. Air quality testing will be completed every other month, beginning in November 2020 and issues raised will be addressed immediately;
9. Spaces without mechanical air circulation will be closed down;
10. Spaces with mechanical air circulation equipment and without windows will receive an air purifier;
11. All spaces occupied by nurses will receive an air purifier;
12. All spaces where “close contact” with students take place will receive an air purifier;
13. All rooms occupied by students and staff will receive an air purifier prior to the beginning of the heating season, approximately October 15.

Attachments: Click Here for Folder Below Reports [HVAC Systems Evaluations and Air Quality Reports](#)

1. Six (6) HVAC Systems Evaluations from BLW Engineers, Inc.
2. Six (6) Indoor Air Quality Reports from Universal Environmental Consultants
3. Specifications for Air Purifier
4. Specifications on cleaning supplies used by custodians
5. A listing of relevant and similar projects recently completed by BLW



Canton Public Schools

School Year 2020/2021



School Committee
September 17, 2020



DPH COVID-19 Metrics

DPH COVID-19 Dashboard

New color-coded metric*		DESE expectation for learning model
RED	Average daily cases per 100,000 is greater than 8	Remote
YELLOW	Average daily cases per 100,000 is between 4 - 8	
GREEN	Average daily cases per 100,000 is less than 4	Full-time in-person OR Hybrid (if extenuating circumstances)
UNSHADED	Fewer than 5 total cases over the past 14 days. Generally, this is for communities with small populations and very few cases.	

**Measured as a 14-day rolling average and will be reported weekly as part of the online DPH dashboard*

State Dashboard- Through September 9, 2020

City/Town	Total Case Count	Case Count (Last 14 Days)	Average Daily Incidence Rate per 100,000 (Last 14 days) ¹	Relative Change in Case Counts ²	Total Tests	Total Tests (Last 14 days)	Total Positive Tests (Last 14 days)	Percent Positivity (Last 14 days)	Change in Percent Positivity ³
Canton	344	9	2.8	Lower	9375	1496	15	1.00%	Lower

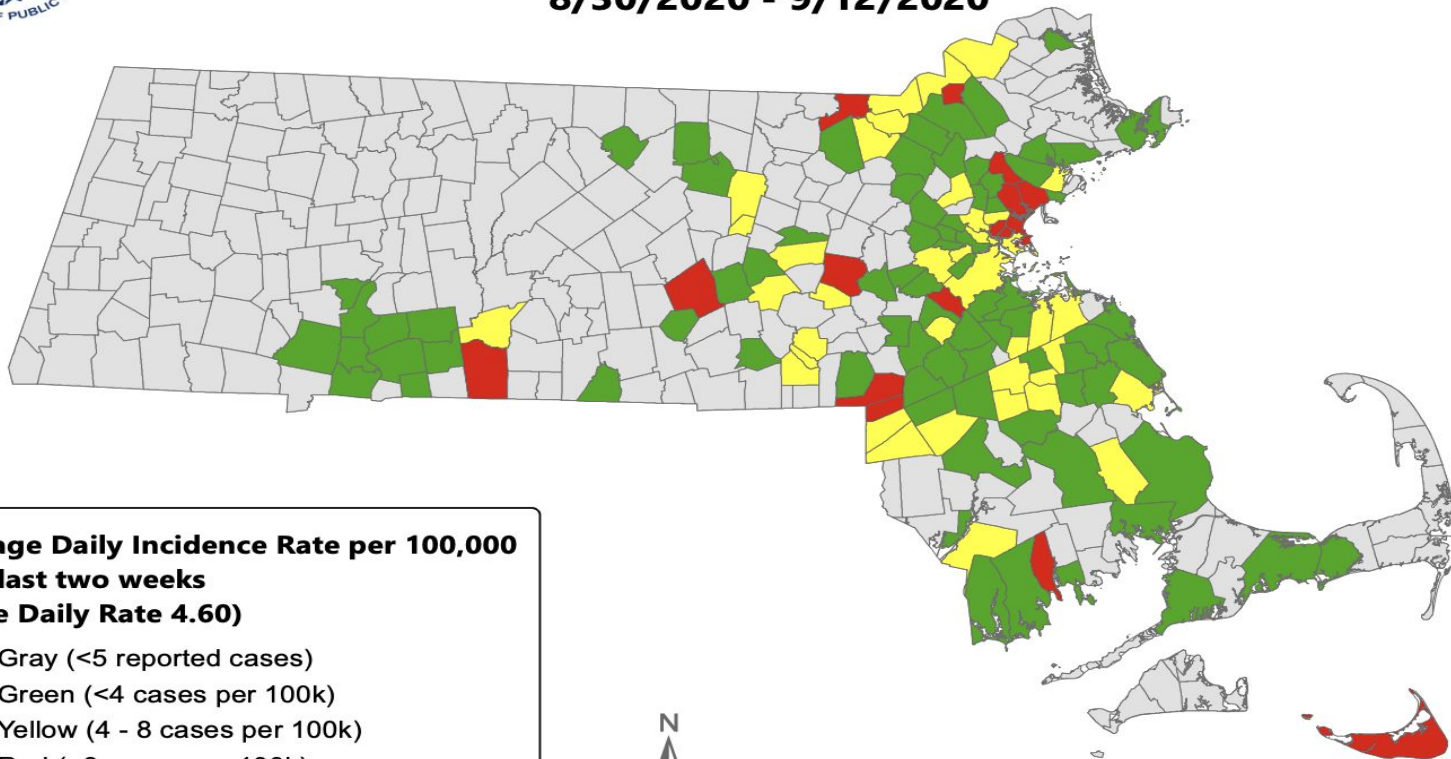
State Dashboard- Through September 16, 2020

City/Town	Total Case Count	Case Count (Last 14 Days)	Average Daily Incidence Rate per 100,000 (Last 14 days) ¹	Relative Change in Case Counts ²	Total Tests	Total Tests (Last 14 days)	Total Positive Tests (Last 14 days)	Percent Positivity (Last 14 days)	Change in Percent Positivity ³
Canton	347	8	2.5	No Change	10267	1537	10	0.65%	Lower



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, September 16, 2020

Average Daily Incidence Rate (per 100,000, PCR only) for COVID-19 in MA by City/Town Over Last Two Weeks 8/30/2020 - 9/12/2020



**Average Daily Incidence Rate per 100,000
over last two weeks
(State Daily Rate 4.60)**

- Gray (<5 reported cases)
- Green (<4 cases per 100k)
- Yellow (4 - 8 cases per 100k)
- Red (>8 cases per 100k)

* Unknown Official City/Town (N = 32)
Cases are excluded when City/Town is unknown.

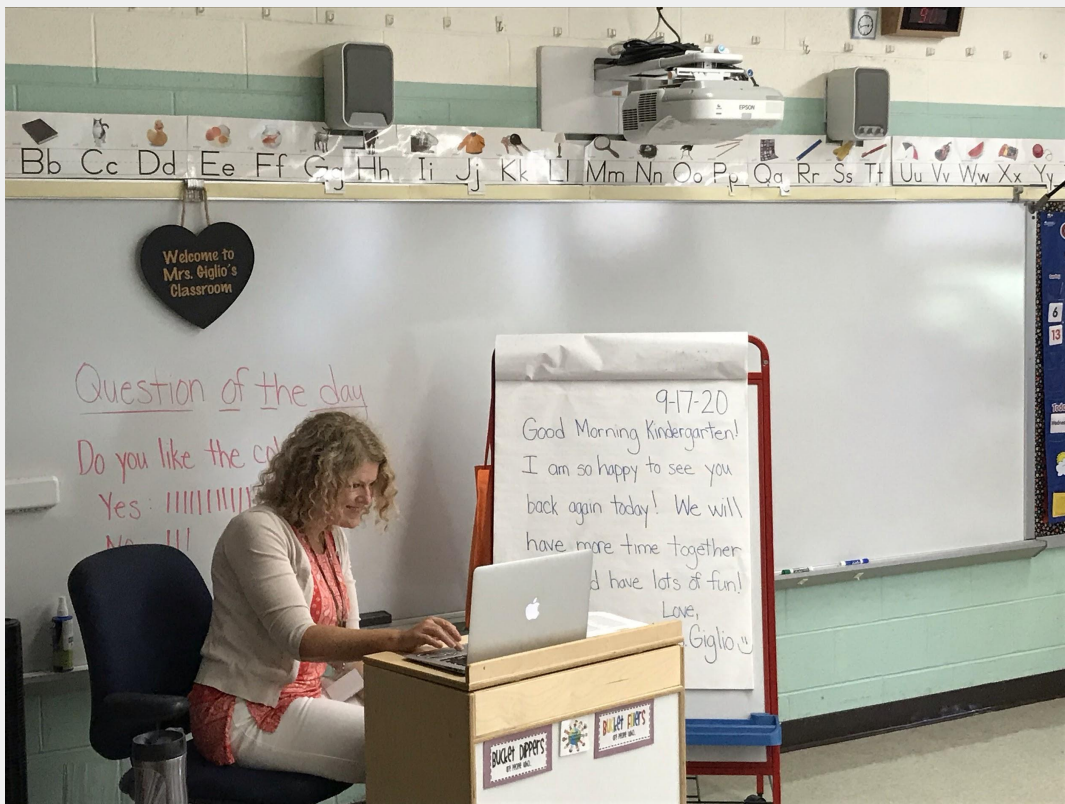
Bureau of Infectious Disease and Laboratory Sciences

* Data as of 16SEPT2020
and are subject to change.

Start of School Year 2020-2021











September 21-25

Self Screener Reminder

- **September 21, 22 & 24, 25** -- K, Grade 6 and Grade 9 -- “in person experiences”, and students with special circumstances (Category 1)
- **K and Grade 6** -- All Kindergarten and Grade 6 will be in school on Monday, Tuesday, Thursday and Friday throughout the days.
- **Grade 9** -- Cohort A will be in Monday & Tuesday, Cohort B will be in on Thursday & Friday
- **All other grades** will follow their full Remote Learning 2.0 schedule during this week.
- **Wednesday, September 23** -- Remote Learning 2.0 for all students.

Creating the Conditions for Learning

- Safety
- Teaching and Learning
- Social Emotional Supports
- Structural Supports for Students
- Technology and Digital Learning System

Covid Related Costs

Covid Related Costs - Actual and Projected as of 9/17/2020

[COVID Costs as of 9.11.2020.pdf](#)

Teaching and Learning



Creating the Conditions for Learning

- Safety
- Teaching and Learning
- Social Emotional Supports
- Structural Supports for Students
- Technology and Digital Learning System

Schedules



Elementary Schools

The schedule was created to meet several priorities and objectives:

- Social Emotional Learning
- Value of specials
- Contractual requirements
- Prioritizing core subjects
- Flexibility from model to model and similar structure in RLP

Elementary Schools: Schedule

- Collaboration across all three elementary schools
- Teacher input
- Full school day with opportunities for on and off screen working time in all content areas
- Each teacher's schedule may be adjusted to accommodate student needs for support with student services staff, etc.

Time	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
8:20-8:40	Arrival	Arrival	Arrival	Arrival	Arrival	Arrival
8:40-8:45	Morning Announcements	Morning Announcements	Morning Announcements	Morning Announcements	Morning Announcements	Morning Announcements
8:45	Morning Meeting (SEL) - 20m	Morning Meeting (SEL) - 20m	Morning Meeting (SEL) - 20m	Morning Meeting (SEL) - 20m	Morning Meeting (SEL) - 20m	5 Specials (45m)
8:50						
8:55						
9:00						
9:05	ELA Reading (25m)	ELA PA/Phonics (30m)	ELA Mini-Lesson and Phonics (30m)	ELA Reading (30m)	Math (60m)	8:50-9:35
9:10						
9:15						
9:20						
9:25						
9:30	Bathroom/Handwashing (10m)	Reading (30m)	Reading (40m)	3 Specials (45m)		Morning Meeting (SEL) - 20m
9:35						
9:40	ELA					
9:45	Phonics and Writing (35m)					
9:50	20m - Phonics 15m - Writing					
9:55						
10:00						
10:05		Movement/Mask Break (15m)		9:40-10:25	Movement/Mask Break (15m)	ELA Reading and Writing (60m)
10:10	Movement/Mask Break (15m)		Movement/Mask Break (15m)			
10:15						
10:20						
10:25	Math (30m)	Math (45m)		Movement/Mask Break (15m)	Handwashing (5m)	
10:30						
10:35						
10:40						
10:45						
10:50						
10:55						
11:00	Bathroom/Handwashing (10m)	Handwashing (5m)				Movement/Mask Break (15m)
11:05						
11:10						
11:15	Lunch	Recess				
11:20						
11:25	11:10-11:35 (25m)	11:10-11:35 (25m)				
11:30			Bathroom/Handwashing (10m)	Handwashing (5m)		
11:35						
11:40	Recess	Lunch				
11:45						
11:50	11:35-12:00 (25m)	11:35-12:00 (25m)				
11:55						
12:00	Transition/Handwashing - 5m	Transition/Handwashing - 5m				
12:05	Transition/Handwashing - 10m				Handwashing (5m)	Handwashing (5m)
12:10	K Specials (45m)	Independent Reading (25m)				
12:15						
12:20						
12:25						
12:30						
12:35						
12:40						
12:45						
12:50						
12:55	Bathroom/Handwashing (10m)					
1:00	Movement/Mask Break (15 m)	Writing (30m)	2 Specials (45m)		Transition/Handwashing - 5m	Transition/Handwashing - 5m
1:05						
1:10						
1:15						
1:20	Centers/Dramatic Play (55m)					
1:25						
1:30						
1:35						
1:40						
1:45						
1:50						
1:55						
2:00						
2:05						
2:10						
2:15	Bathroom/Handwashing (10m)	1:50-2:35	Bathroom/Handwashing (10m)	Handwashing - 5m	Handwashing - 5m	Handwashing - 5m
2:20						
2:25	Closing Circle (SEL) - 20m		Closing Circle (SEL) - 20m			
2:30						
2:35						
2:40						
2:45	Dismissal	Dismissal	Dismissal	Dismissal	Dismissal	Dismissal
2:50						

Elementary Schools

Comparison to last year:

- Intentional focus on SEL (i.e. Opening and Closing Circle)
- Mask and Movement breaks
- Transition Times for handwashing
- Academic Flex block/WIN: Used for academic enrichment/intervention, additional content focus (i.e. science), or outdoor learning
- Wednesday focus on Science and Social Studies
- Staggered lunch and recess

School Committee Questions

Galvin Middle School

The schedule was created to meet several priorities and objectives:

- Provide an academic experience that preserves rigor and meets the needs of our current situation.
- Provide additional time to travel in/out of school as well as to/from lunch to meet social distancing guidelines.
- Provide mask, screen and movement breaks for students in school.
- Provide live instruction as well as time built into the day to do asynchronous learning and work.
- Address the needs of the whole child and therefore balance academics, specials and social emotional well-being.
- Minimize movement of students throughout the building, the mixing of cohorts and the sharing of materials as best we can.

GMS Hybrid Schedule

GMS: Schedule 2020 -2021

Monday		Tuesday		Wednesday		Thursday		Friday	
7:45 - 8:55	Check in + A	7:45 - 8:55	Check in + E	7:45 - 8:20	Check in & A	7:45 - 8:55	Check in + A	7:45 - 8:55	Check in + E
8:55 - 9:05	Break	8:55 - 9:05	Break	8:25 - 8:50	B	8:55 - 9:05	Break	8:55 - 9:05	Break
9:05 - 10:05	B	9:05 - 10:05	F	8:55 - 9:20	C	9:05 - 10:05	B	9:05 - 10:05	F
10:10 - 11:10	C	10:10 - 11:10	Community Block	9:25 - 9:50	D	10:10 - 11:10	C	10:10 - 11:10	Community Block
11:10 -12:00	Lunch & Recess*	11:10 -12:00	Lunch & Recess	9:50 - 10:05	Break	11:10 -12:00	Lunch & Recess	11:10 -12:00	Lunch & Recess
				10:05 - 10:30	E				
12:00 - 1:00	D	12:00 - 1:00	G	10:35 - 11:00	F	12:00 - 1:00	D	12:00 - 1:00	G
1:00 - 2:00	On Demand Learning B/C/O**	1:00 - 2:00	On Demand Learning B/C/O	11:05 - 11:30	G	1:00 - 2:00	On Demand Learning B/C/O	1:00 - 2:00	On Demand Learning B/C/O
2:00 - 2:15	Check Out	2:00 - 2:15	Check Out	11:30 - 12:30	Dismissal & Lunch	2:00 - 2:15	Check Out	2:00 - 2:15	Check Out
				12:30 - 2:15	Asynchronous Learning				

School Committee Questions

What process did CHS use to create its hybrid schedule?

Formed a Schedule Working Group in July

Committee members included:

- 1 teacher from almost every department
- CHS Principal & 2 Assistant Principals
- EA/Parent representative
- Guidance Department Head
- 4 students

Four meetings which examined about 10 different models

What beliefs and values informed the creation of the CHS Hybrid Schedule?

Health & Safety

Maintaining the depth & breadth of CHS instructional offerings

Creating equitable experiences for *Remote Pathway* & *Continuum* students

Fostering connections and students' social-emotional well-being

What is the CHS hybrid schedule?

		Week 1					
		Monday	Tuesday	Wednesdays		Thursday	Friday
	TIME	DAY 1	DAY 2	8:00-8:20	A1	DAY 1	DAY 2
PERIOD 1	8:00-8:50 (50)	A1	D4	8:30-8:50	B1	A1	D4
	10 min passing			9:00-9:20	C1		
PERIOD 2	9:00-9:50 (50)	B1	E4	9:30-9:50	D1	B1	E4
	10 min passing			10:00-10:20	E1		
PERIOD 3	10:00-10:50 (50)	C1	F4	10:30-10:50	F1	C1	F4
	10:50-11:40	Grab & Go Lunch/Dismissal			10:55-11:15	Grab & Go Lunch/Dismissal	
					11:15-11:45		
					LUNCH		
PERIOD 4	11:40-12:20 (40)	D1	G4	Students: Virtual Learning Teachers: PD		D1	G4
PERIOD 5	12:25-1:05 (40)	E1	A5			E1	A5
PERIOD 6	1:10-1:50 (40)	F1	B5			F1	B5
PERIOD 7	1:55-2:29 (34)	G7	C7			G7	C7

School Committee Questions
