







EXECUTIVE SUMMARY

Brooklyn Laboratory Charter Schools (LAB) is committed to making any return for the 2020 -2021 school year as safe as possible for all students and staff. Given the current public health pandemic, LAB is exploring ways to adapt school facilities and school operations in a way that prioritizes and protects the school community's health. The initial focus is on LAB's 77 Sands Street middle and high school location.

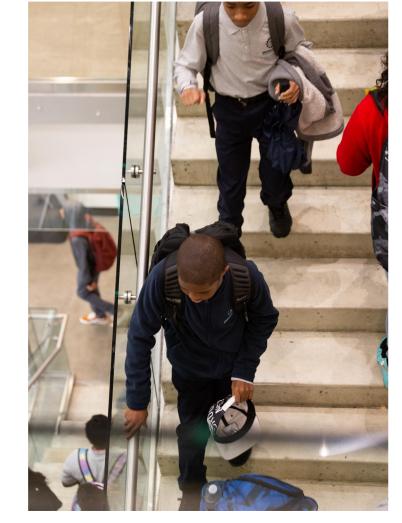
Our goal is to develop and widely share what we are calling a "back to school facility tool kit" so that other schools can benefit from LAB's strategic reopening process, planning, and approach.

To generate the most creative and comprehensive solutions, LAB has undertaken an intensive study or "charrette" with professionals in the field of architecture and urban design. Our partners include Urban Projects Collaborative (UPC), a company that supports capital projects that improve quality of life and a better built environment, and five design firms: Gensler, PBDW, PSF Projects, SITU, and WXY.

The resultant tool kit contains potential modifications to our school facilities that support our commitment to meeting the needs of all learners. The tool kit covers operational adjustments that the LAB team is developing and focuses on general education, students with special needs, and small classes.

Our next step in this process will be to gather input and feedback on the ideas in this tool kit from students, faculty, and families. In parallel, we'll be studying all ideas for feasibility based on regulatory, budget, and schedule constraints. We also expect to address additional issues like air quality and hygiene protocol, as guided by the relevant authorities.

The most effective ideas will move forward through design, construction, and installation in preparation for occupancy.







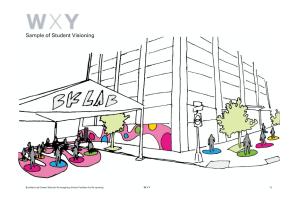


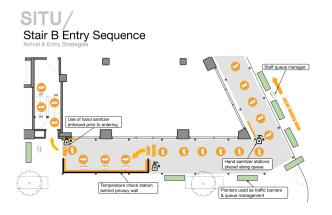


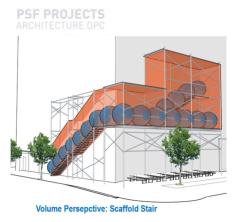
WHAT'S IN THE TOOL KIT



Mapping a safeguarded journey from home to the school. The first set of ideas focus on the arrival and entry process as students and staff transition into the building, taking into consideration the egress challenges LAB and many other schools face.





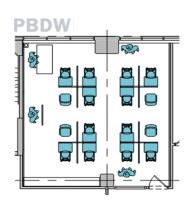


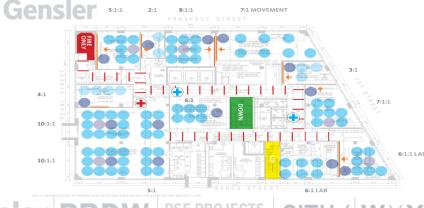


Upgrading classrooms. The second set of ideas focuses on practical and feasible re-mapping of classrooms, breakout rooms, and common spaces to comply with social distancing requirements.

PBDW

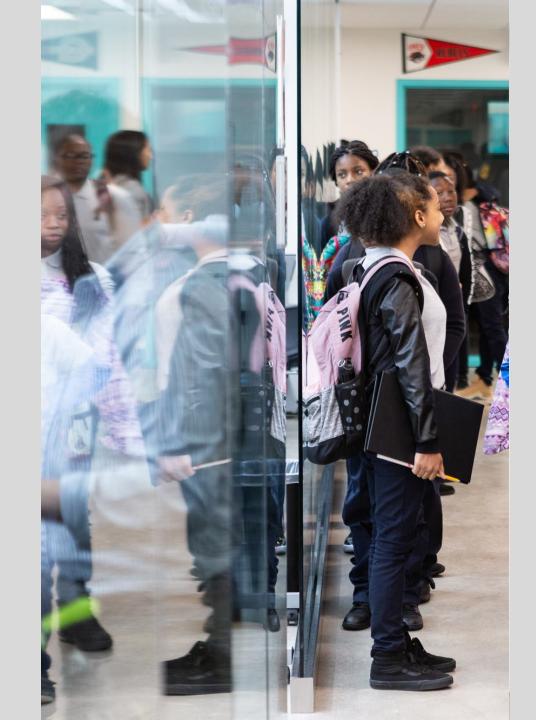








About the Tool Kit



THE PROCESS

As schools move toward reopening, educators face unprecedented complexities, from new logistical challenges to emergent needs for our most vulnerable students.

At LAB, we view the current humanitarian crisis as requiring upgrades to school health and safety.

No school has the time or resources to tackle all challenges related to these upgrades alone, but as a laboratory school, we believe that advancing design solutions and sharing tools for effective adaptation is part of our mission. LAB encourages all schools to take advantage of this opportunity to upgrade and improve aspects of operations. This research and development initiative around facilities solutions is a first step in that direction.

We took the following steps during our 10-day collaborative process:

- 1. UPC and LAB staff held initial work sessions to identify challenges.
- 2. Five design firms partnered with LAB and UPC to brainstorm ideas.
- 3. The five firms held additional work sessions with LAB teachers, special educators, counselors, and administrators to focus on aspects of the challenges they were best equipped to address.
- 4. The design firms developed ideas based on the school and community's needs and best practices to address social-distancing requirements and health safety.

The result is a tool kit of ideas that can be applied by LAB and in other contexts.

Key Criteria For Ideas:

- Applicable to ALL students
- Practical and feasible to implement
- Flexible and easy to adapt as needed
- Accessible for use by other institutions







ABOUT BROOKLYN LAB & THE TEAM

Brooklyn Laboratory Charter Schools (LAB) was co-founded in 2013 by Erin Mote and Eric Tucker with the mission to eliminate the achievement gap by preparing scholars with the academic foundation, digital literacy, and leadership skills necessary to succeed in college and professional life.

LAB is dedicated to serving the highest need students, regardless of their academic level, English language proficiency, or disability. Meeting the needs of these students has continued to be our focus as we re-imagine what the return to school will look like in a post-pandemic setting.

The focus of this planning has been LAB's middle and high school located at 77 Sands Street, but the ultimate goal is to develop a strategic reopening plan that can be applied to other schools both locally and nationally. The findings from these studies will be shared with special education, technology, and educational organizations with which LAB is connected on a local, state, and national level.



UPC provides owner representation services for clients engaged in the design and construction of capital projects and facilities oversight. www.upcnyc.com



PSF Projects is an award-winning firm delivering visionary, customized designs for commercial, institutional, residential, and workplace projects. www.psfprojects.com



Gensler is a global design firm partnering with clients to make the places people live, work, learn, and play more inspiring, resilient, and impactful. www.gensler.com



SITU is an unconventional architecture practice based in New York City, using design, research and fabrication for creative and social impact. www.Situ.nyc



PBDW Architects delivers design with insight and empathy, leveraging the capabilities of architecture to connect people with places and time. www.pbdw.com



WXY is an award-winning, studio-based multidisciplinary practice focusing on innovative approaches to public space, structures and cities. www.wxystudio.com

Supporter: AKA STUDIO Architecture + Interior Design akiiru@akastudio.com

Strategies:Home toClassroom



WXY

Ideas fromWXY

Back to School Facility Toolkit WXY Studio Approach













Project Focus

Entry/Exit & Staging Area

Develop a school entry/exit experience, including staging of entry, in response to COVID-19.

Flexible Options

Develop a set of flexible options which can respond to new information and guidelines as they are formalized.

Student Feedback

Utilize the options to prompt student feedback and collect information on key issues, such as their journey to school.











Option	S	A		Information	Assumptions
Queue Type	×	Temperature Check	←	Does this option allow extra time for screening procedures, such as a temperature checks?	Assumes thermal forehead scan temperature check. 10-30 seconds per student.
	0	Entry Speed Five students per minute	←	How many students can enter the school per minute?	Assumes hand sanitizing upon entry. 5-15 seconds per student. Conservative estimate.
	**	One Group Entry at 8AM	←	Are arrivals staggered into multiple groups? What times do those groups enter?	Assumes most students arrive at or near their designated arrival time, with some late comers.
	(One Entrance	←	How many entrances are available to the school?	One entrance assumes existing Sands St entrance. Two entrances assumes existing Sands St entrance and Pearl St entrance.
8:00	9	O 45	←	How long does it take for all students to enter?	
8:00 8:15	5	1 01	\leftarrow	What is the maximum number of students waiting at any one time?	
8:30					
8:45	, V				
9:00) —				









Options



Queue Type



Temperature Check



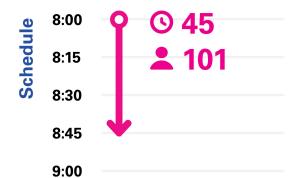
Entry Speed Five students per minute



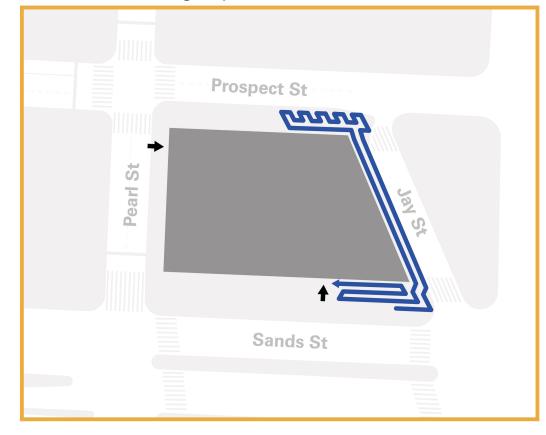
One Group Entry at 8AM



One Entrance



One entrance, one group













Options



Queue Type



Temperature Check



Entry Speed Five students per minute



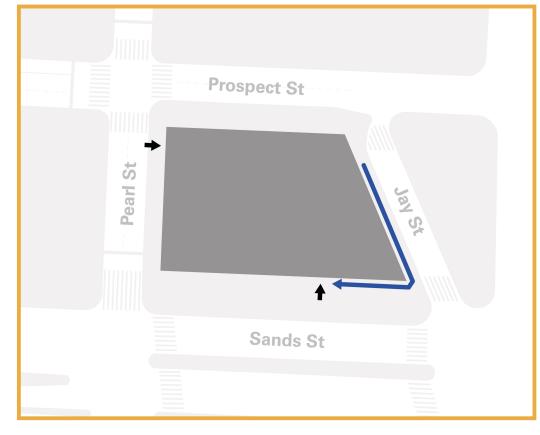
Two Groups Entries at 8AM, 830AM



One Entrance



One entrance, two groups

















Queue Type





Entry Speed 3 students per minute



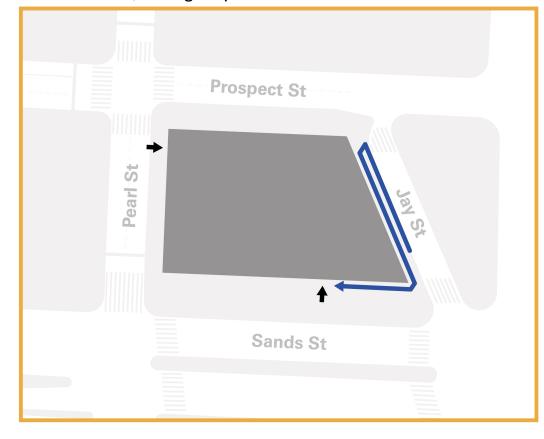
Four Groups Every 15 min 8-845AM



One Entrance



One entrance, four groups

















Queue Type



Entry Speed 3 students per minute

Two Groups Entries at 8AM, 830AM

Two Entrances

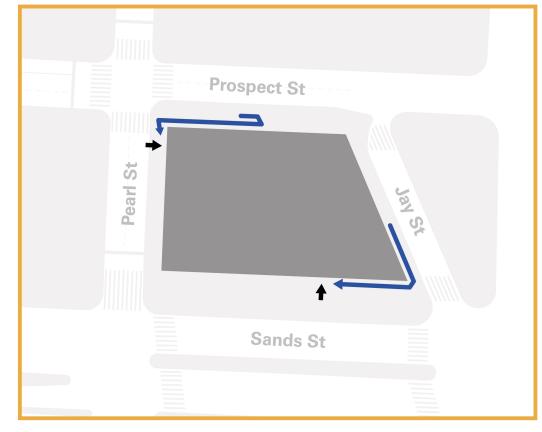
Schedule 8:15

8:30

8:45

9:00

Two entrances, two groups



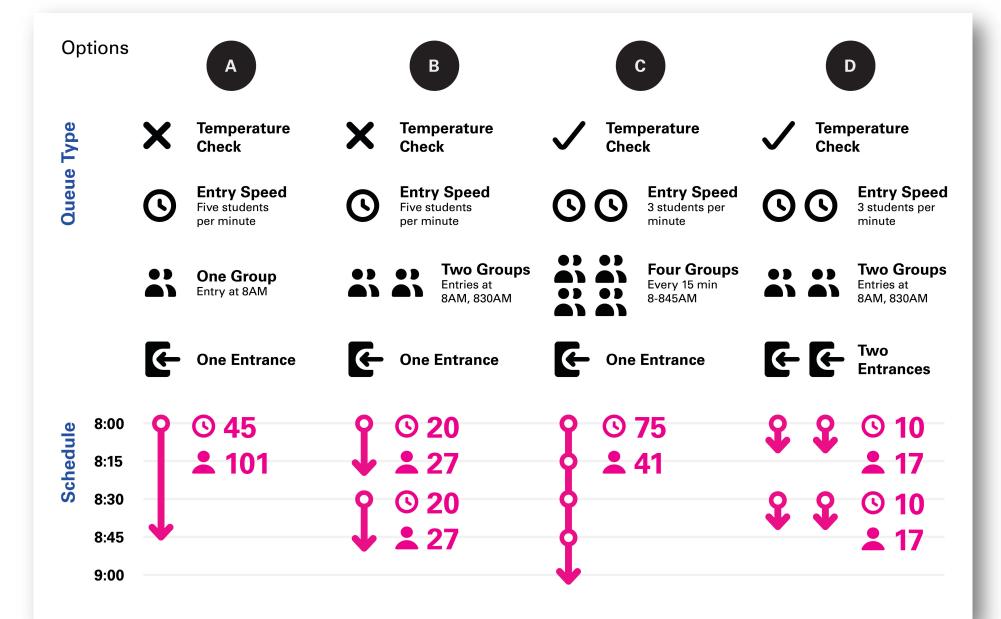


















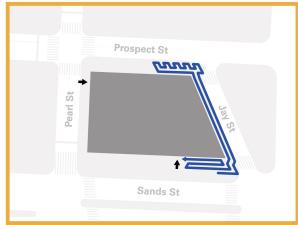




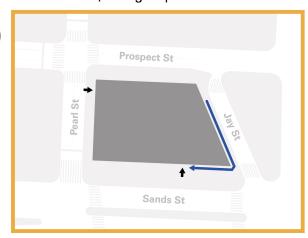
Options

One entrance, one group



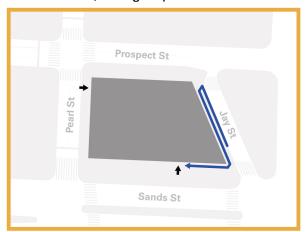


One entrance, two groups



One entrance, four groups





Two entrances, two groups





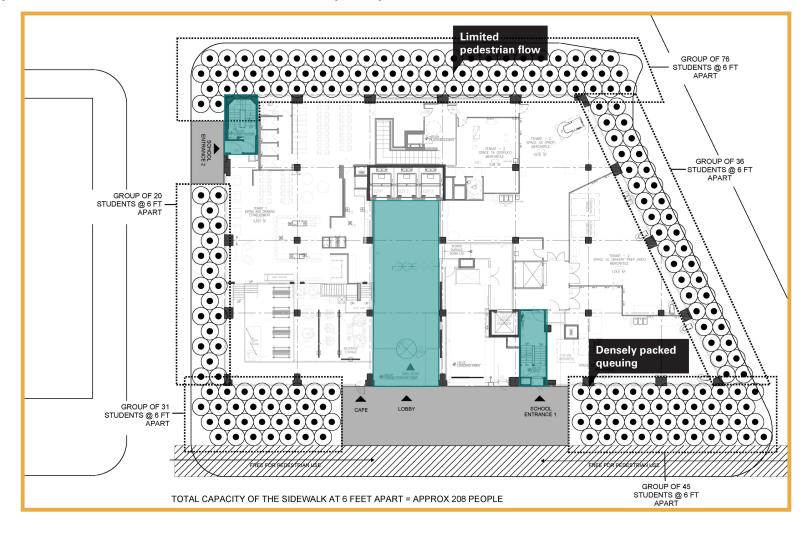








Entry & Exit Points: Maximum Sidewalk Capacity



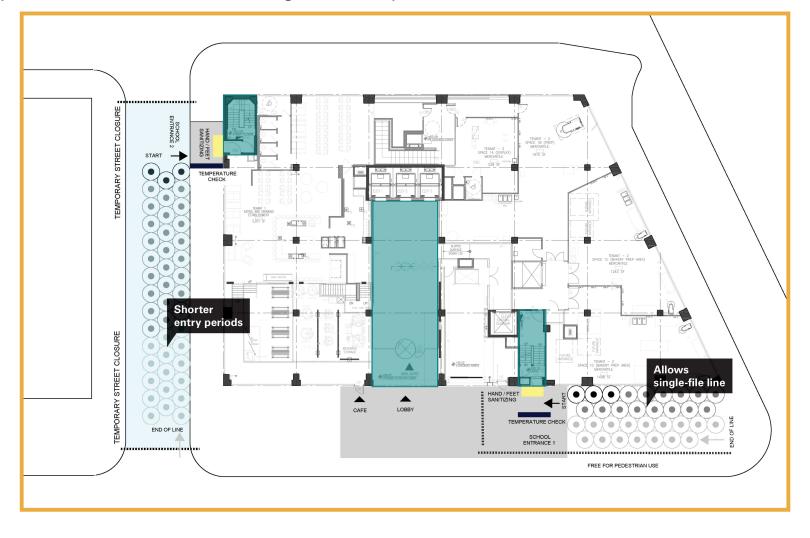








Entry & Exit Points: Preferred Queuing Method (Option D)





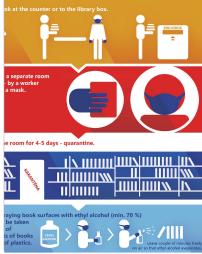






Temporary Furniture & Design Needs









Source: SITU/

Shelter

Signage & Messaging

Lighting

Acoustics

- Shade
- Weather
- Queue control

- Establish new rules
- Reduce anxiety
- Wayfinding

- Daylight
- Color
- Safety at night

- Mitigate bridge noise
- Allow for conversation
- Create a sense of calm





















Idea: Set-up temporary waiting pavilions in nearby parks





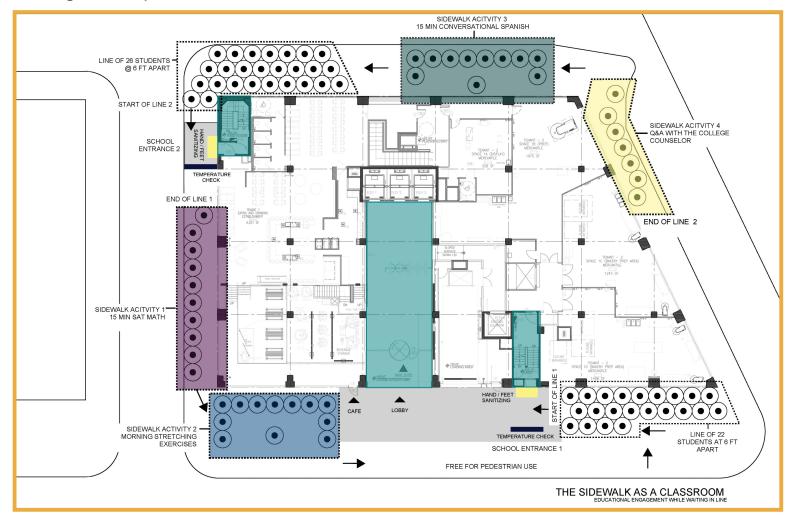








Idea: Re-imagine entry areas as outdoor classrooms











Next Steps: Student Engagement











Student Feedback **Journey to** School Reshuffling **Re-imagining** "In the the "Lobby" **Waiting Line**" **School Arrival**

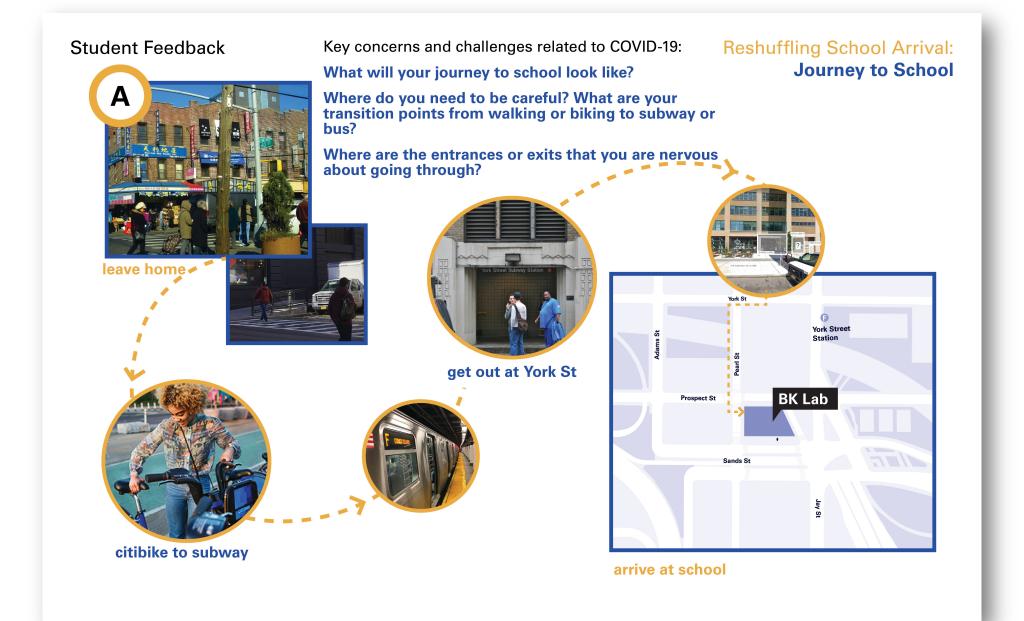








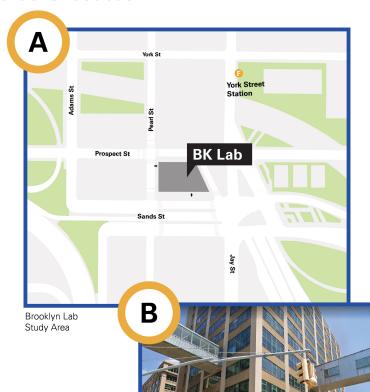












Brooklyn Lab.

Questions:

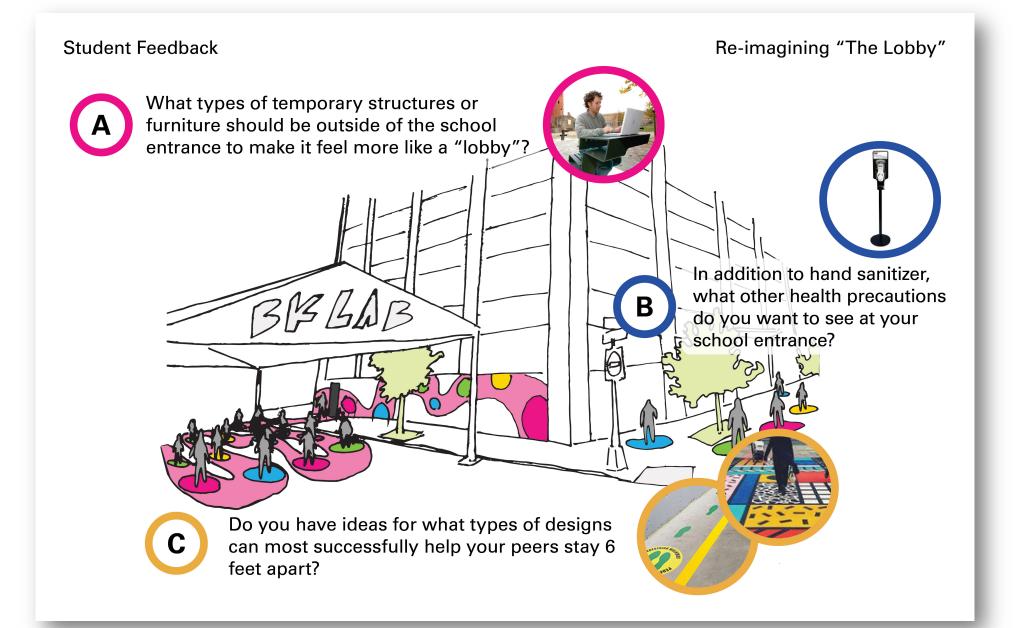
- How do you plan to travel to school in the fall? Subway? Bus? Bicycle? Walk?
- When you arrive at school, which side of the street do you come from? Do you have any public art or design ideas that can help kids know where to gather?
- How often do you arrive early or late for school? Do you have ideas for where to wait outside (or inside) the school on arrival? Do you think that waiting inside of temporary structures or furniture would work for you? If not, what are your concerns?



Trial Glass Booths. Amsterdam, Netherlands.













The Hive NYC

Outside Gym Class

Questions:

- A What types of academic or physical activities would you like to participate in while lining up to enter school?
- If BLS were able to install a TV monitor outside, what type of school or health-related programming would be useful for you? Would you be interested in working on a weekly student broadcast for this?



Educational School Announcement / TV Monitor









SITU/

Ideas from
SITU

Re-imagining Arrival in Urban Schools

May 2020

About

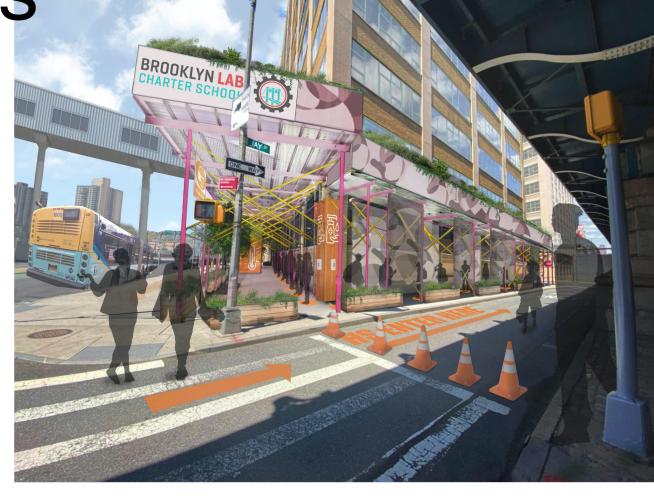
This document was created by SITU, a design, research and fabrication firm based in the Brooklyn Navy Yard.

Assistance was provided by Nadine J. Cohen MD FAAP FACP Internal Medicine and Pediatrics

Contact

Basar Girit, Partner basar@situ.nyc











⁰¹ The Challenge







Problem-set

Urban schools located in multistory buildings typically face challenges of limited points of entry, shortage of space and overcrowding of classrooms.

In order to accommodate <u>social distancing</u> and <u>daily</u> <u>temperature checks</u> prior to entry, many schools will have to <u>extend deeper into public space</u> during the arrival and dismissal periods.

The long term nature of such measures demand well-designed ideas that <u>respect the surrounding public</u> space and community.





A four-pronged strategy for safe arrival

Preventive measures

Social distancing

Mainting 6' spacing between individuals to prevent the spread of COVID-19 viral particles

Temperature checks

Restricting entry for any individuals with fevers in the case that it indicates COVID-19 infection

Staggered scheduling

Alternating days or staggering groups to reduce the size of each arrival group and the number of students within the school at any given time

Increased points of entry

Utilizing the second egress stair or building an external stair solely for Brooklyn Lab to reduce the size of each arrival group

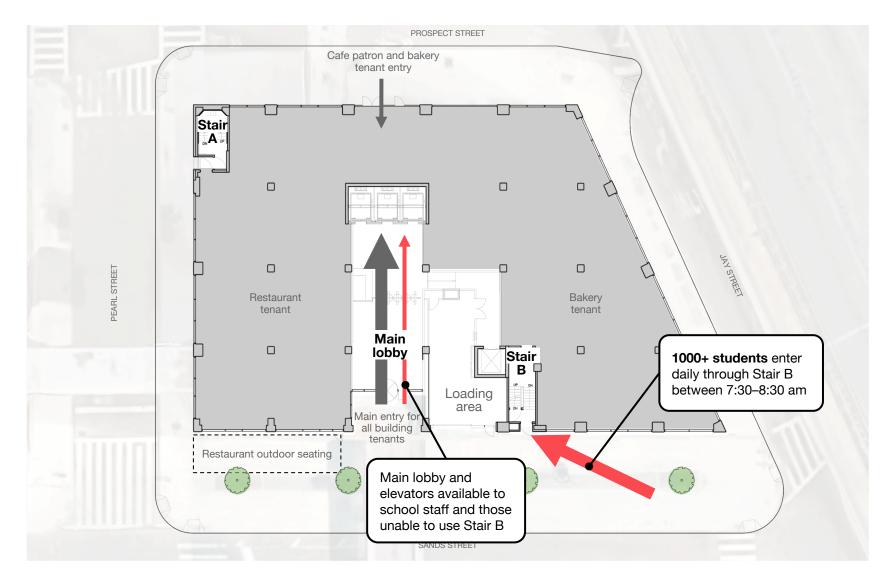








Before COVID-19





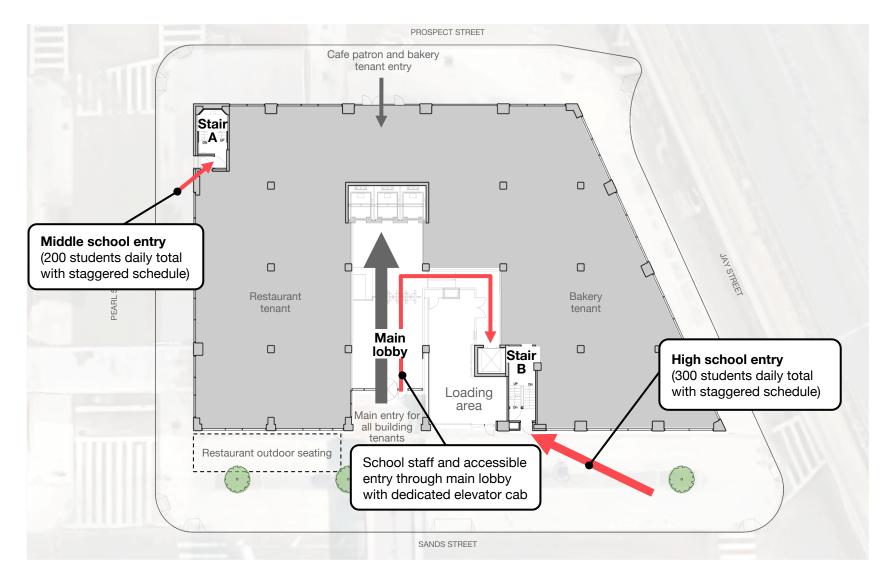








After COVID-19



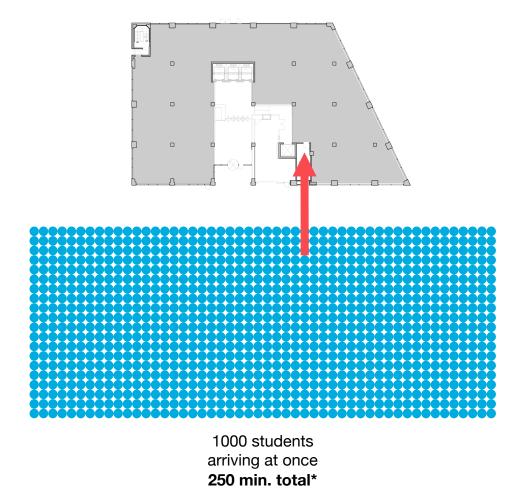








Arrival volume with social distancing



200 students arriving 10 min. apart 50 min. total*

300 students arriving 10 min. apart 75 min. total*

^{*} assuming 15 seconds per person for temperature check









⁰¹ The Challenge 02 Design Opportunities







Public health considerations

Infrared temperature gun



Time per test: 10-20 sec.

Cost: \$150 each

- Slow
- Staff intensive
- Inexpensive
- Simple to learn
- Can have multiple scanners

Thermal imaging stations



Time per test: instantaneous Cost: \$5,000-\$20,000+

- Fast
- Minimal staff
- Expensive
- Complicated tech
- Temperature gun required for backup

Home self-check + online survey



COVID-19 Screening Tool

- You'll answer a few questions about symptoms, travel, and contact you've had with others.
- Your answers will not be shared with Apple or the CDC without your permission. Learn more...
- By using this tool, you agree to its terms and that Apple will not be liable for any harm relating to your use. Recommendations provided by this tool do not constitute medical

Time per test: 1-5 min at home Cost: TBD

- Fastest
- Inexpensive
- Relies on trust
- Good option for staff and students requiring lobby access









Design guidelines

Shelter

Signage and messaging

Lighting

Acoustics

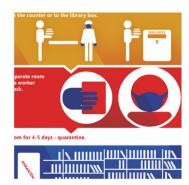
















- Shade
- Weather
- Queue control

- Establish new rules
- Reduce anxiety
- Wayfinding

- Daylight
- Color
- Safety at night

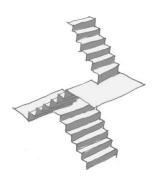
- Mitigate bridge noise
- Allow for conversation
- Create a sense of calm





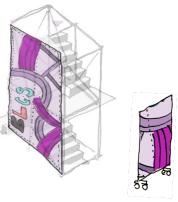


Design components



Exterior stair

Vertical circulation to new building entry on 2nd floor



Screens & partitions

Privacy, messaging, acoustics



Wayfinding & distancing signage

Mobile and fixed signage on structure, ground and additional surfaces



Structure / Shed

Shelter, lighting



Greeting station

Check-in, temperature check



Barricades

Traffic and pedestrian control, artwork, planters









Improved sidewalk shed

Sidewalk sheds are pre-engineered systems with well-known permitting processes that could allow for rapid deployment.

These structures could be easily modified to become more inviting, thoughtfully designed, light-filled exterior lobbies that support new entry sequences without negatively impacting the surrounding neighborhood.



Urban Umbrella shed system with daylighting panels



Wendy PS1 scaffolding installation



Urban Umbrella shed system with nighttime lighting



Sketch of modified sidewalk shed with exterior stair proposed









Integrated solar covering







Modular rooftop canopy system designed by SITU for Brooklyn Solar Works











Creative fabric structures







Retractable fabric walkways and covers







Inflatable canopy systems Tent structures











⁰¹ The Challenge 02 Design Opportunities ⁰³ Arrival Strategies

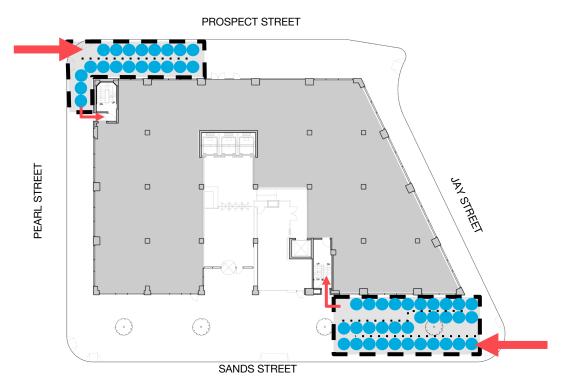






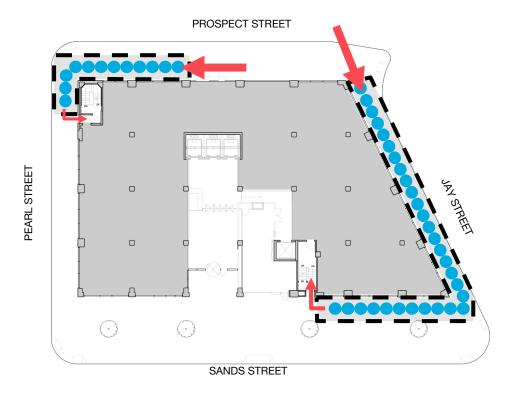


Queuing strategies



Stacked

- Greater capacity for students
- Smaller footprint / more contained less structure
- Greater impact on Sands St sidewalk & building entry
- Higher density of students within shelter



<u>Linear</u>

- Lower density better student distancing
- Single line easier to monitor by staff
- Greater impact on less-trafficked Jay St. sidewalk
- Jay St. is very loud due to bridge train traffic

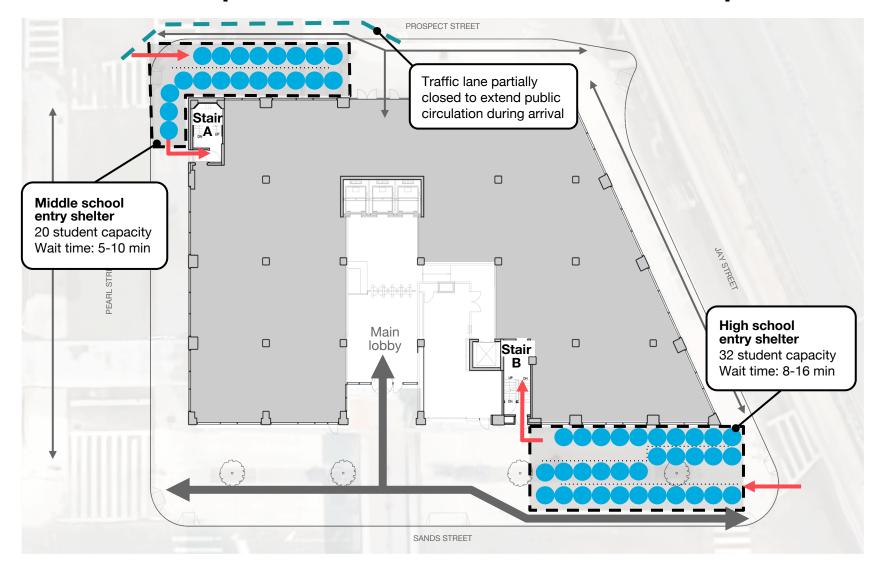


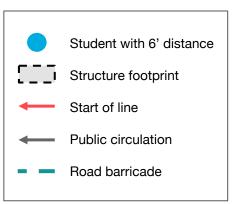






Arrival experience with stacked queue







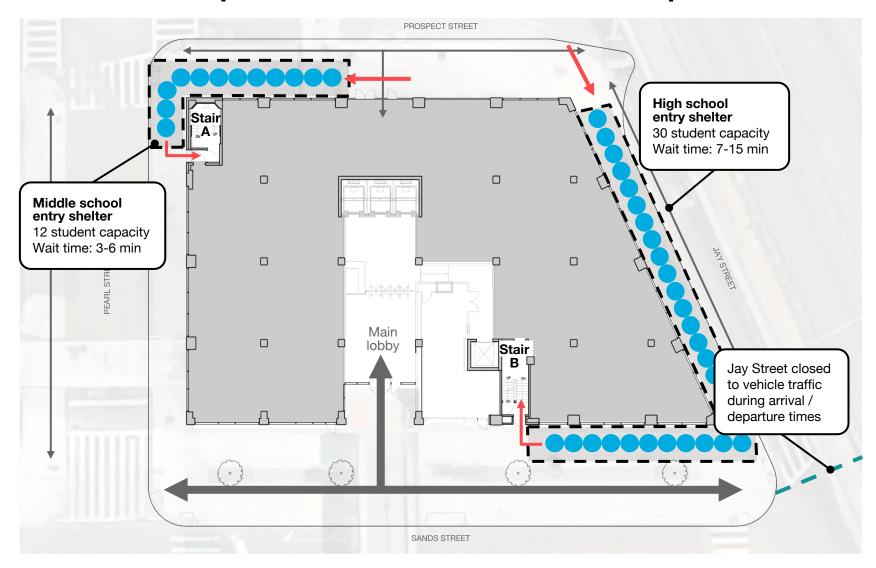


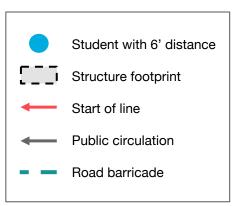






Arrival experience with linear queue







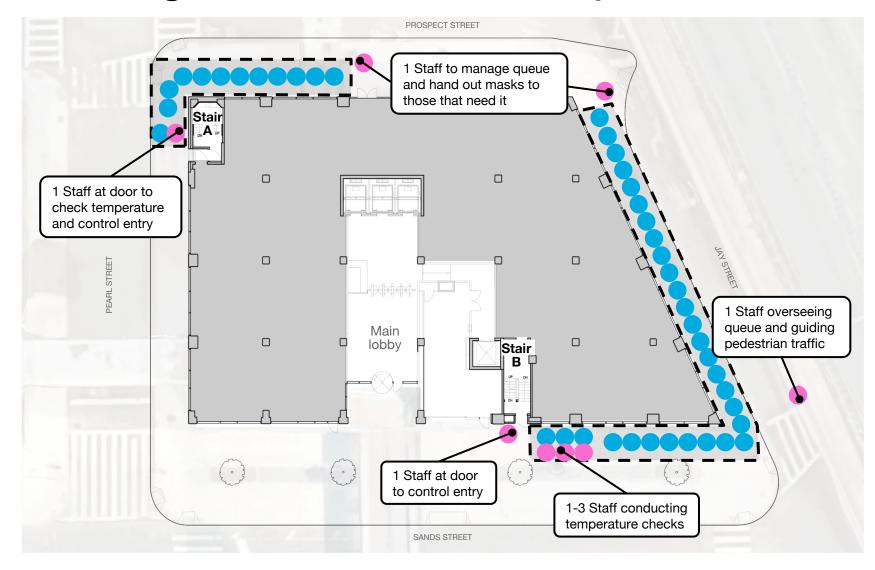


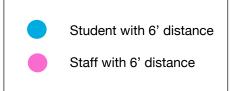






Staffing needs with linear queue







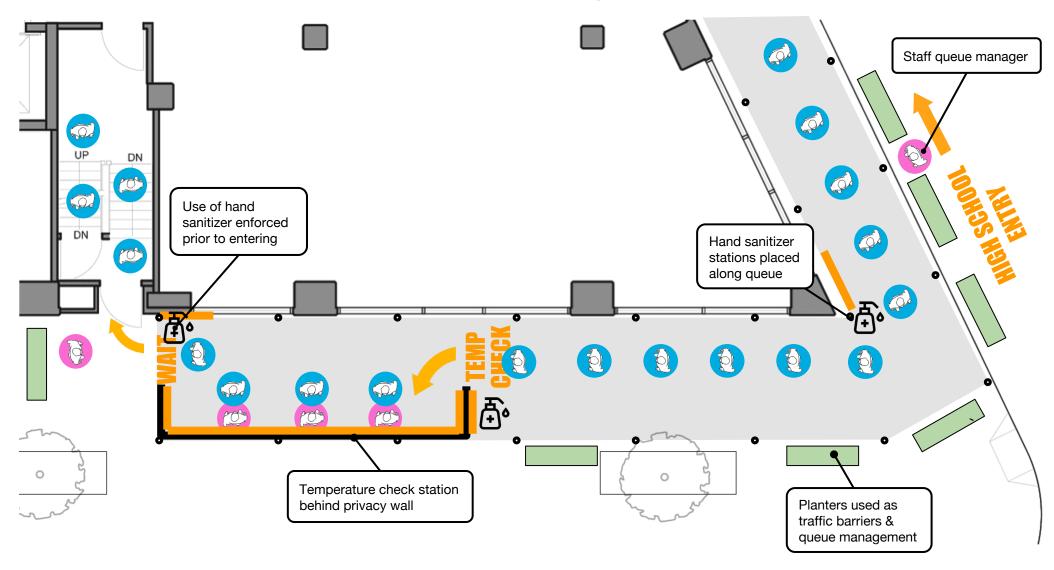








Arrival experience, zooming in



















Thank you!







PSF PROJECTS ARCHITECTURE DPC

Ideas fromPSF

Back To School Toolkit Brooklyn Lab Charter School

FACTS & CHALLENGES APPROACH EXPLORATIONS METHODOLOGY

About

This work was created by **PSF Projects**. Our team thrives on viewing challenges as opportunities to create innovative solutions that improve the quality of life.

Contact

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PSF PROJECTS ARCHITECTURE DPC











FACTS & CHALLENGES









FACTS & CHALLENGES

PREMISE:

IF students are required to follow 6'-0" social distancing practices in a world with COVID,

THEN we think schools will need to increase entrances and stairs in order to reduce resulting wait times.

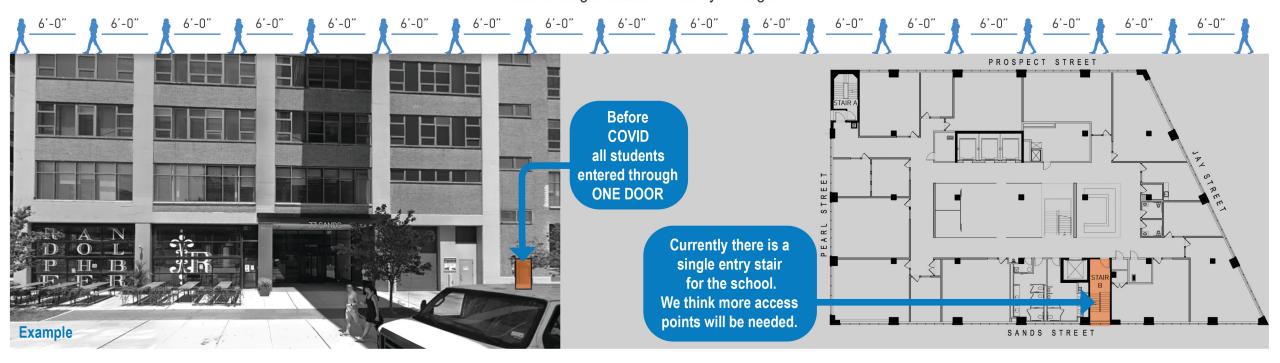
HYPOTHETICAL:

We base our analysis and example case study on a 1000 student school.

A line of 1000 students socially distanced 6'-0" apart is 1 1/2 miles. That is longer than the Brooklyn Bridge!

PROPOSAL:

Our design proposal presents a response to the challenge of entry into School Buildings in a world with COVID and social distancing. What follows is a modular approach to solving this new quandary.

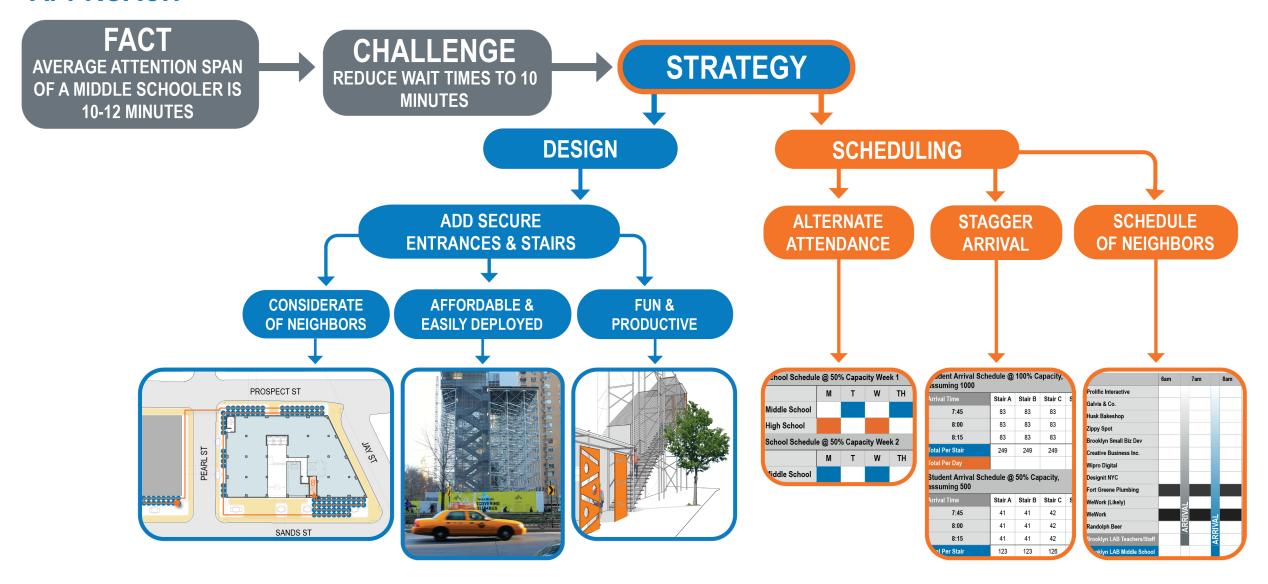








APPROACH



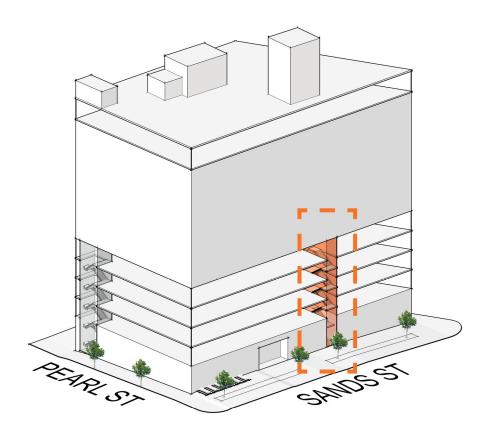




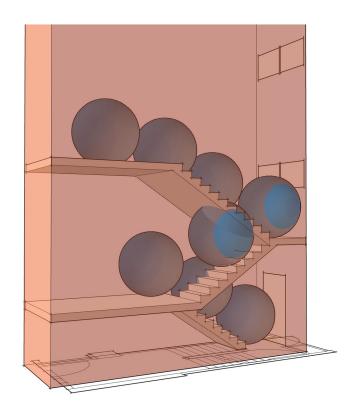




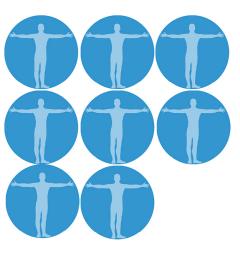
1st SCENARIO: MAIN ACCESS STAIR (Stair B)



We analyzed the stair to find the maximum capacity using a 6'-0" volumetric spacing.



Capacity = 8 students





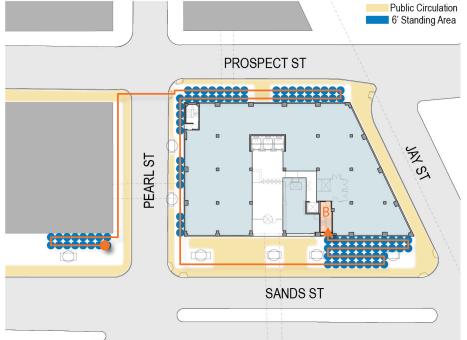




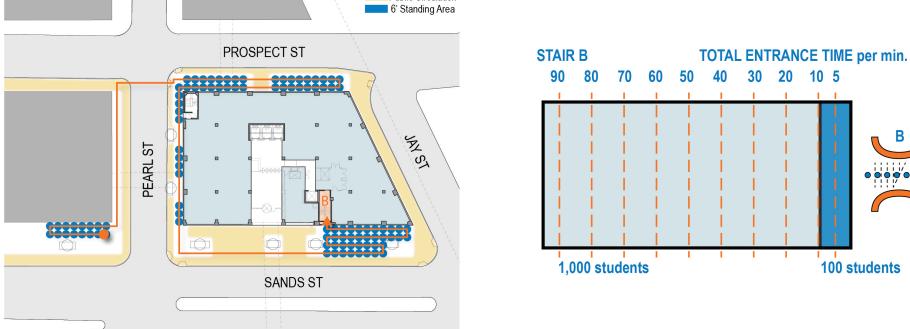


1st SCENARIO: MAIN ACCESS STAIR (Stair B)

The sidewalk will be overwhelmed with even 100 students and it will be impossible to provide covered waiting zones.



IF 1000 socially distanced students use this one entrance and stair, THEN it will take 90 minutes to enter.







100 students

APPROACH

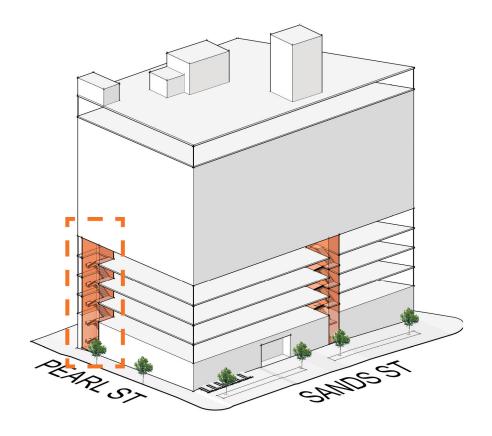




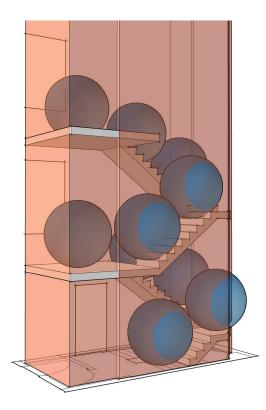




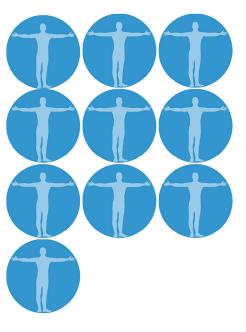
2nd SCENARIO: UNUSED EXISTING STAIR (Stair A)



We analyzed the stair to find the maximum capacity using a 6'-0" volumentric spacing.



Capacity = 10 students





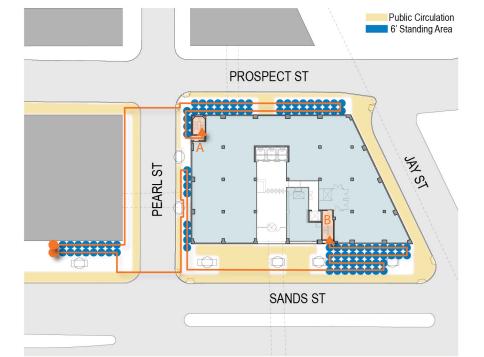




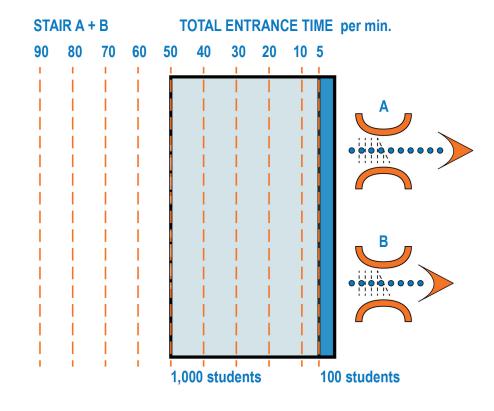


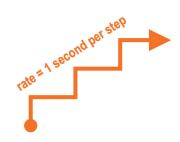
2nd SCENARIO: ADD UNUSED EXISTING STAIR (Stair A + B)

The sidewalk will still be overwhelmed with students and it would be nearly impossible to provide covered waiting zones. Scheduling student arrivals can further reduce the wait time and length of the line.



IF 1000 socially distanced students use two existing entrances and stairs, THEN it will take 50 minutes to enter.



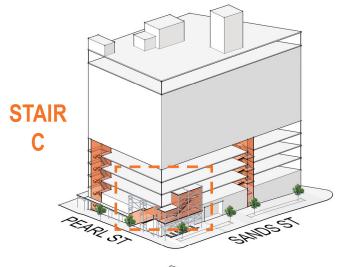


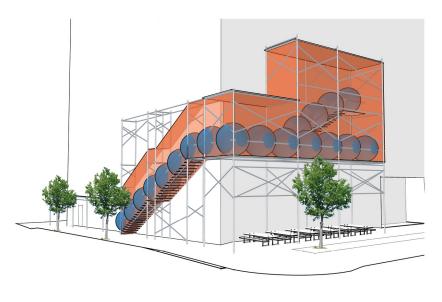


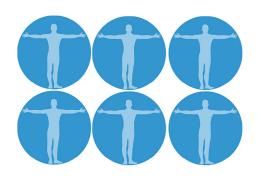




3rd SCENARIO: TWO NEW TEMPORARY SCAFFOLD STAIRS (Stairs C & D)

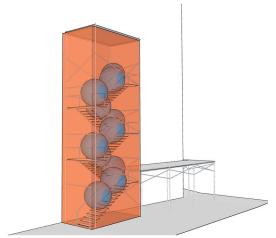




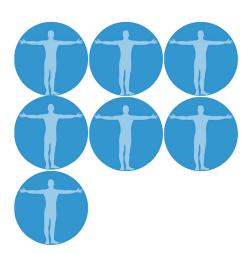


Capacity = 6 students





Capacity = 7 students







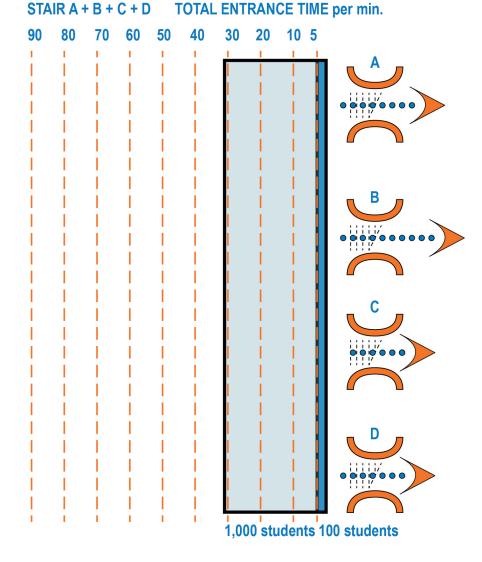
3rd SCENARIO: ADD TWO NEW TEMPORARY SCAFFOLD STAIRS (Stair A + B + C + D)

IF 1000 socially distanced students use two existing entrances and stairs, THEN it will take 30 minutes to enter.

The sidewalk will no longer be overwhelmed with a crowd.





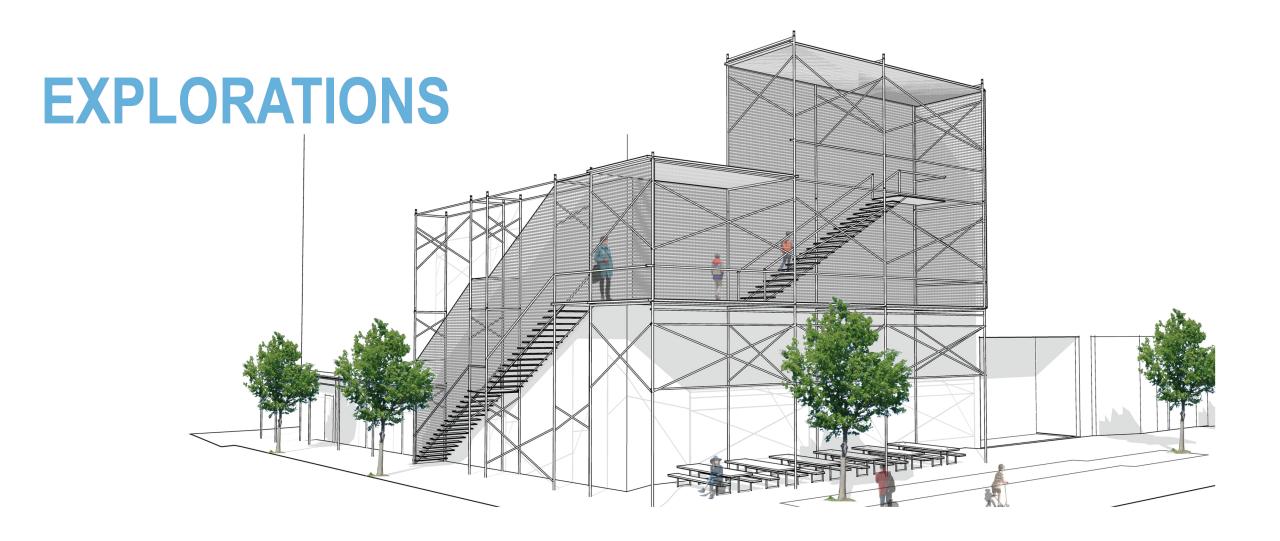




















AFFORDABLE & EASILY DEPLOYED EXAMPLES: SCAFFOLD

















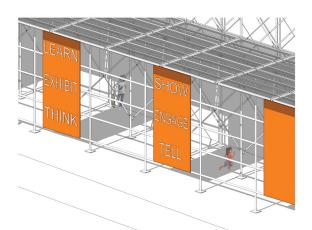


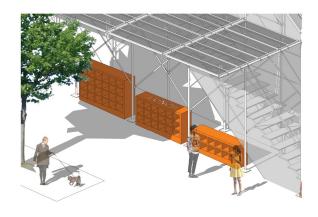


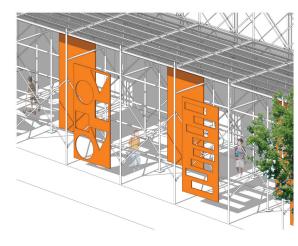


NEW FRONT PORCH: FUN & PRODUCTIVE





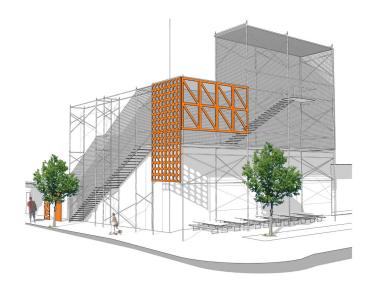




The scaffold can be transformed into a dynamic framework for engaging between students, staff, teachers, parents, and the community.

The scaffold can provide a place to:

- get cover from rain & snow
- sanitize hands and cell phone
- get grab 'n go breakfast
- exhibit student work
- learn & teach
- engage















LANTERN











METHODOLOGY









ANALYSIS: EXISTING STAIRS

1st Scenario: Stair B

# of stair climbers	# in stairwell at once	Minutes to enter/climb/exit	Total minutes	Hours
100	8	0.75	9	0.16
1,000	8	0.75	94	1.56

2nd Scenario: Stair A+ B

# of stair climbers	# in stairwell at once	Minutes to enter/climb/exit	Total minutes	Hours
Stair B				
50	8	0.75	5	0.08
500	8	0.75	47	0.78
Stair A				
50	10	1	5	0.08
500	10	1	50	0.83





ANALYSIS: EXISTING STAIRS + NEW STAIRS

3rd Scenario: Stair B + A + C + D

# of stair climbers	# in stairwell at once	Minutes to enter/climb/exit	Total minutes	Hours
Stair B				
25	8	0.75	2	0.04
250	8	0.75	23	0.39
Stair A				
25	10	1	3	0.04
250	10	1	25	0.42
Sands Street				
25	6	0.75	3	0.05
250	6	0.75	31	0.52
Prospect Street				
25	7	0.75	3	0.04
250	7	0.75	27	0.45





SCHEDULE: NEIGHBORS

Example Tenant Schedule: 77 Sands Street

	6am	7am	8am	9ar	10an	11am	12pm	1pm	2pm	3pm	4pm		5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am
Prolific Interactive																				
Galvis & Co.																				
Husk Bakeshop																				
Zippy Spot																				
Brooklyn Small Biz Dev																				
Creative Business Inc.																				
Wipro Digital																				
Designit NYC																				
Fort Greene Plumbing																				
WeWork (Likely)		_																		
WeWork		¥ 	J								SAL									
Randolph Beer		AR		4							OISMISSAL	SAL								
Brooklyn LAB Teachers/Staff			ARRIV/	RRIVA							DIS	MIS								
Brooklyn LAB Middle School				AR								DISMIS								
Brooklyn LAB High School																				

School ingress and egress does not conflict with the business hours for most tenants.



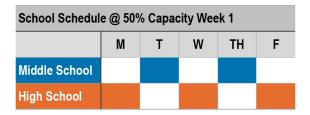






SCHEDULE: SCHOOL DAY

Alternate Attendance



School Schedule @ 50% Capacity Week 2											
	M T W TH F										
Middle School											
High School											

Stagger Arrival Times

Student Arrival Schedule @ 100% Capacity, assuming 1000								
Arrival Time Stair A Stair B Stair C Stair D								
7:45	83	83	83	84				
8:00	83	83	83	84				
8:15	83	83	83	84				
Total Per Stair	249	249	249	252				
Total Per Day				999				

NOTE: For simplicity, example chart assumes all stairs on site have the same capacity.

Student Arrival Schedule @ 50% Capacity, assuming 500										
Arrival Time Stair A Stair B Stair C Stair D										
7:45	41	41	42	42						
8:00	41	41	42	42						
8:15	41	41	42	42						
Total Per Stair	123	123	126	126						
Total Per Day				498						





Thank You!

PSF PROJECTS ARCHITECTURE DPC











◆ Strategies:
Classrooms &
Learning Spaces



PBDW ARCHITECTS

Ideas fromPBDW

PBDW ARCHITECTS

Back-to-School Facilities Toolkit

Classrooms & Learning Spaces













EXECUTIVE SUMMARY

DESIGN STRATEGIES

- **SOCIALLY DISTANCED CONFIGURTIONS**
- PHYSICAL BARRIER **CONFIGURATIONS**





- WORK WITHIN THE **LIMITS OF EXISTING FACILITIES**
- BE REVERSIBLE
- FACILITATE **COMMUNICATION**
- PROVIDE FLEXIBILITY
- ACCOMMODATE ALL **LEARNERS**















CLASSROOM STRATEGIES

SOCIALLY DISTANCED

- MAXIMIZES DISTANCE **BETWEEN OCCUPANTS**
- CLEAR PATH OF CIRCULATION FOR TEACHERS AND PARAS
- LIMITED PHYSICAL MODIFICATIONS TO FURNITURE
- EASY TO IMPLEMENT
- LIMITED COST IMPACT
- LAYOUTS MARKED ON FLOOR WITH VARIOUS COLOR TAPE
- MOST LIMITING IN NUMBER OF STUDENTS PER CLASSROOM



PHYSICAL DIVIDERS

- LESS DISTANCE BETWEEN **OCCUPANTS**
- FOR CLOSER ACCESS TO STUDENTS, TEACHER WILL USE PPE
- TEMPORARY PHYSICAL MODIFICATIONS TO FURNITURE **DEPENDENT UPON SYSTEM** USED
- EASY TO IMPLEMENT
- COST IMPACT
- LAYOUTS MARKED ON FLOOR WITH VARIOUS COLOR TAPE
- ACCOMODATES MORE STUDENTS PER CLASSROOM





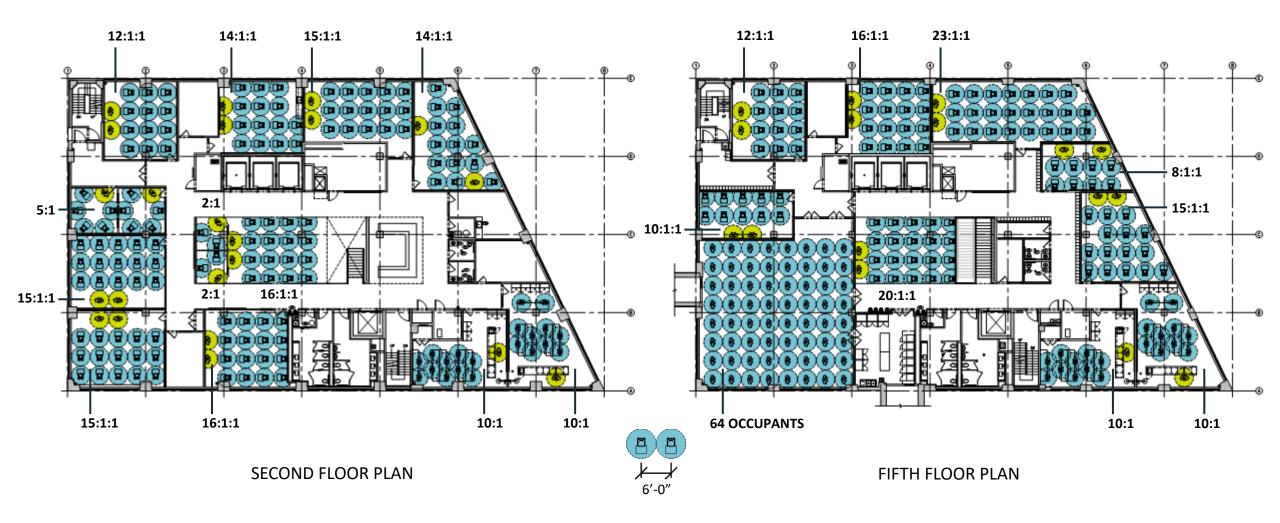








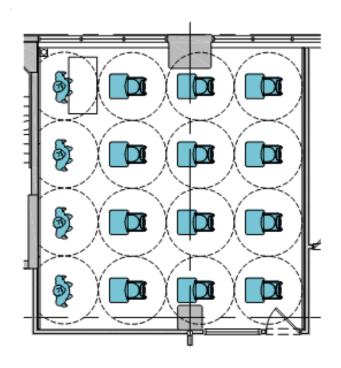
DISTANCE DIAGRAMS







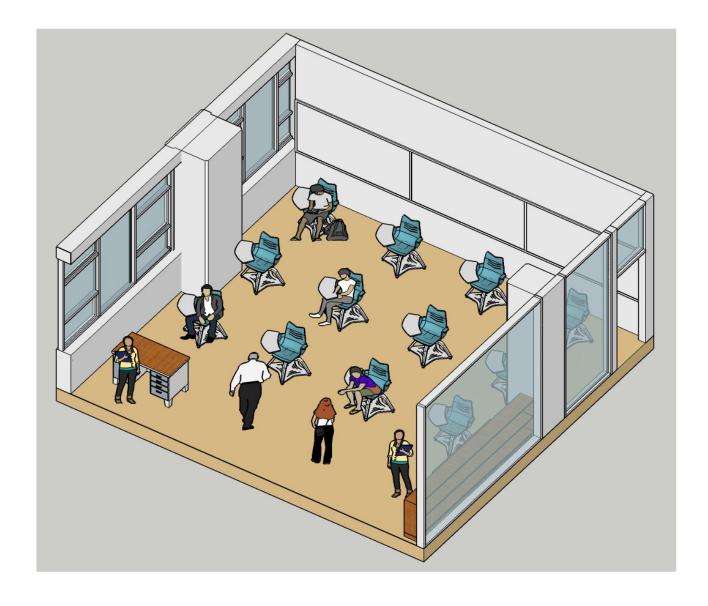
SOCIALLY DISTANCED



FACING SAME DIRECTION

12 STUDENTS

2 TEACHERS





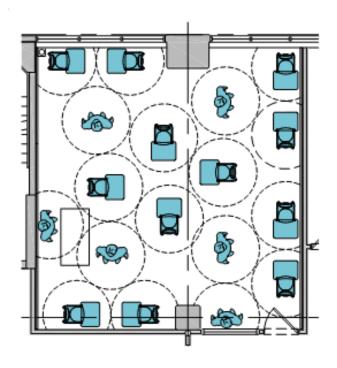








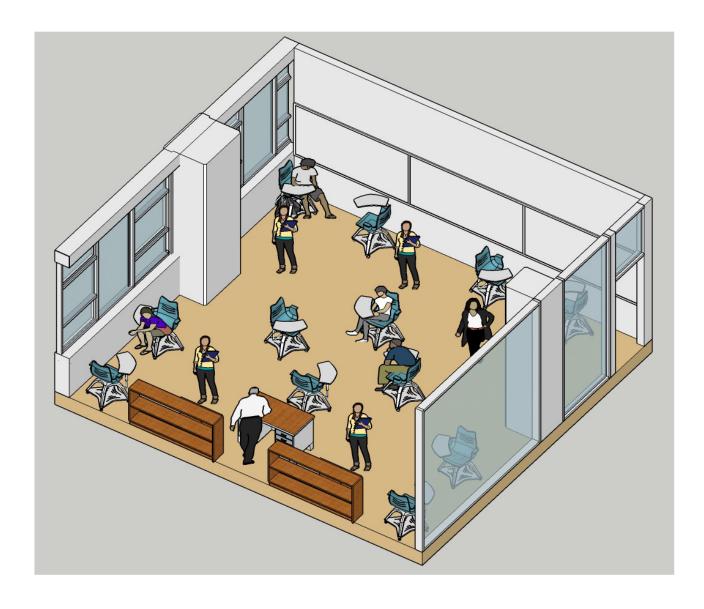
SOCIALLY DISTANCED



SMALL GROUPS

12 STUDENTS

2 TEACHERS





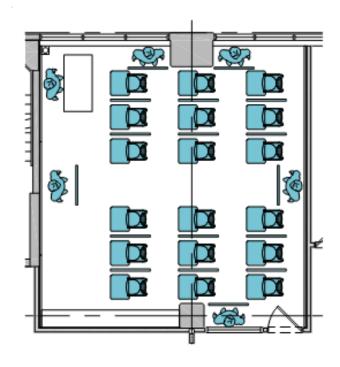








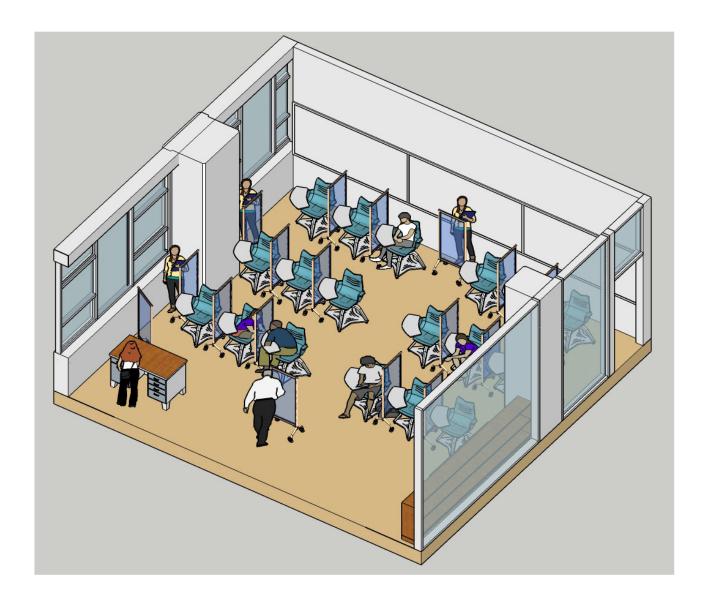
PHYSICAL DIVIDERS



FACING SAME DIRECTION

18 STUDENTS

2 TEACHERS





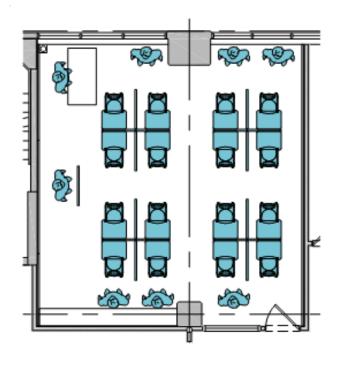








PHYSICAL DIVIDERS



SMALL GROUPS

16 STUDENTS

2 TEACHERS





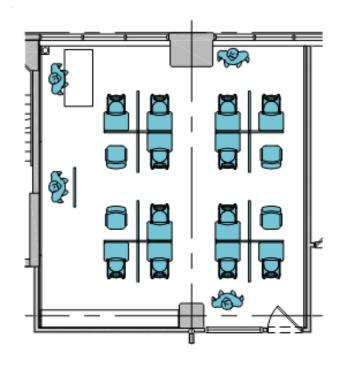








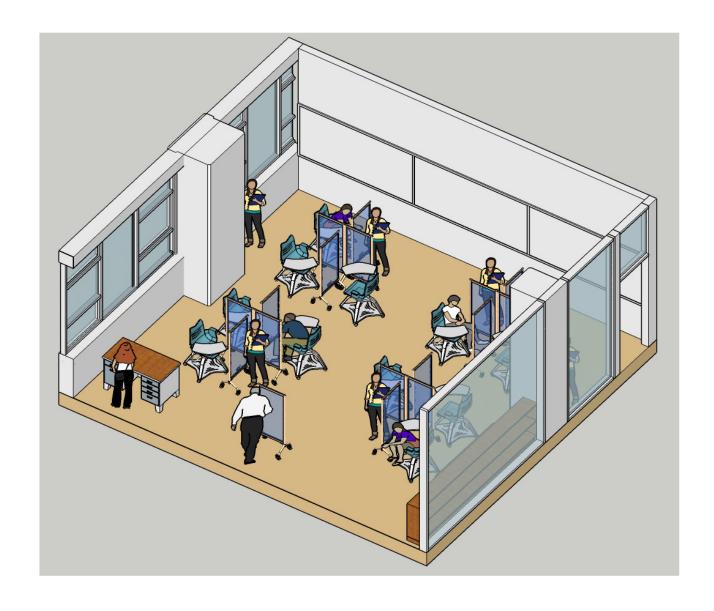
PHYSICAL DIVIDERS



SPECIAL NEEDS

12 STUDENTS 2 TEACHERS **6 PARAPROFESSIONALS**

AIDES USE PLEXIGLASS BARRIERS WITH TRANSACTION WINDOW TO **INTERACT WITH STUDENTS**













OTHER STRATEGIES

EDUCATIONAL SPACES

- Avoid use of shared supplies
- Provide hand sanitizer and cleaning wipes adjacent to shared equipment and copiers

DOOR SOLUTIONS

- Add hand sanitizer stations next to doors
- Use smart building technologies for door lock controls
- Install foot controls for doors

RESTROOMS

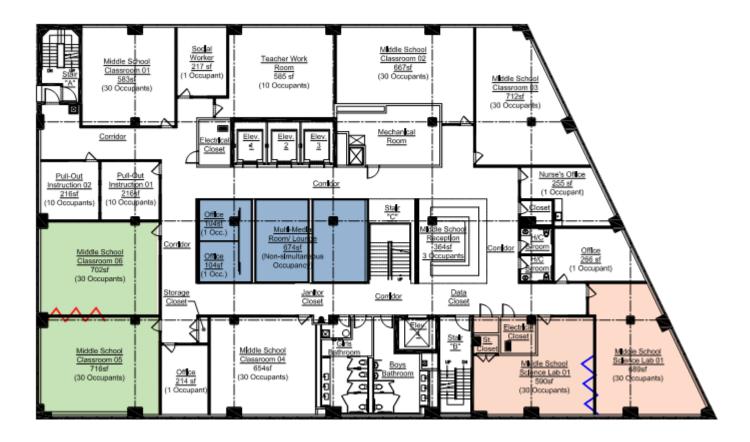
- Install sensor-operated hands-free technology at faucets & flushometers in restrooms
- Tape off alternate lavatory & urinal to facilitate social distancing
- Increase frequency of cleaning and disinfecting surfaces
- Modify drinking fountains into bottle fillers

AIR QUALITY

- Increase ventilation by opening windows
- Sanitize ducts
- Replace existing HVAC air filters with MERV 13 filters
- · Change HVAC filters frequently
- Maintain humidity between 40-60%

SIGNAGE

- Colored tape on floors to demarcate various furniture Layouts
- Demarcate circulation patterns



CREATE FLEXIBILITY

for class sizes or activities with movable acoustic and whiteboard walls

ENCLOSE CENTER FISHBOWL AREA

to create more pull-out and therapy rooms

COMBINE LABS

with movable acoustic and whiteboard walls to accommodate more students per session











STRATEGIES IN PRACTICE







DENMARK

Jens Kristian Vang/EPA-EFE/Shutterstock

SOUTH KOREA

Yonhap/EPA-EFE/Shutterstock

THAILAND

Gemunu Amarasinghe/AP







Ann Wang / Reuters **TAIPEI**

HONG KONG

Jerome Favre/EPA/Bloomberg News

DENMARK

Thibault Savary/AFP/Getty Images











EQUIPMENT EXAMPLES











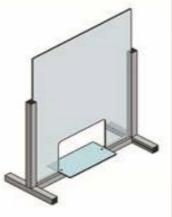


























PBDW ARCHITECTS













Gensler

Ideas fromGensler

HIGH SCHOOL SUMMARY

CLASSROOMS

WHAT IS A SETUP FOR EACH ROOM SIZE AND TYPE THAT FOLLOWS SOCIAL DISTANCING AND SUPPORTS INSTRUCTION FOR GENERAL EDUCATION AND SPECIAL NEEDS STUDENTS?

CIRCULATION

HOW CAN WE REDUCE THE NUMBER OF STUDENT CONTACTS WITHIN THE HALLWAYS AND STAIRWELLS?

HYGIENE

HOW CAN DESIGN PROVIDE FOR AND PROMOTE STUDENT HYGIENE?









PROSPECT STREET



3RD FLOOR

(9) SGI/CLASSROOMS 6-9 STUDENT CAPACITY

(1) SCI LAB 6 STUDENT CAPACITY

(3) SPECIALIST ROOMS 2-4 STUDENT CAPACITY

(2) SPECIALIST ROOMS 1 STUDENT CAPACITY

*CAPACITY OF STUDENT & PARA PAIRS TBD ON INDIVIDUAL ROOM BASIS

TEACHER

ASSISTANT OR PARAPROFESSIONAL

STUDENT

EX. MAIN WALL

MARKERS

TEMPERATURE CHECK AT ARRIVAL

HANDWASH/ HYGIENE STATION

THIS MATERIAL IS INTENDED SOLELY TO PROVIDE IDEAS OR OPTIONS FOR FURTHER CONSIDERATION AND IDEATION, CLIENT SHOULD MAKE DECISIONS RELATED TO YOUR BUSINESS CONTINUITY OR PREPARATION PLANS IN COLLABORATION WITH EXPERTS











PROSPECT STREET



4TH FLOOR

(8) SGI/CLASSROOMS 6-9 STUDENT CAPACITY

(2) SCI LAB 6 STUDENT CAPACITY

(2) SPECIALIST ROOMS 2-4 STUDENT CAPACITY

(1) SPECIALIST ROOM 1 STUDENT CAPACITY

*CAPACITY OF STUDENT & PARA PAIRS TBD ON INDIVIDUAL ROOM BASIS

TEACHER

ASSISTANT OR PARAPROFESSIONAL

STUDENT

EX. MAIN WALL

MARKERS

TEMPERATURE CHECK AT ARRIVAL

HANDWASH/ HYGIENE STATION

THIS MATERIAL IS INTENDED SOLELY TO PROVIDE IDEAS OR OPTIONS FOR FURTHER CONSIDERATION AND IDEATION, CLIENT SHOULD MAKE DECISIONS RELATED TO YOUR BUSINESS CONTINUITY OR PREPARATION PLANS IN COLLABORATION WITH EXPERTS











PROSPECT STREET



THIS MATERIAL IS INTENDED SOLELY TO PROVIDE IDEAS OR OPTIONS FOR FURTHER CONSIDERATION AND IDEATION. CLIENT SHOULD MAKE DECISIONS RELATED TO YOUR BUSINESS CONTINUITY OR PREPARATION PLANS IN COLLABORATION WITH EXPERTS









5TH FLOOR

TEACHER

STUDENT

WALL

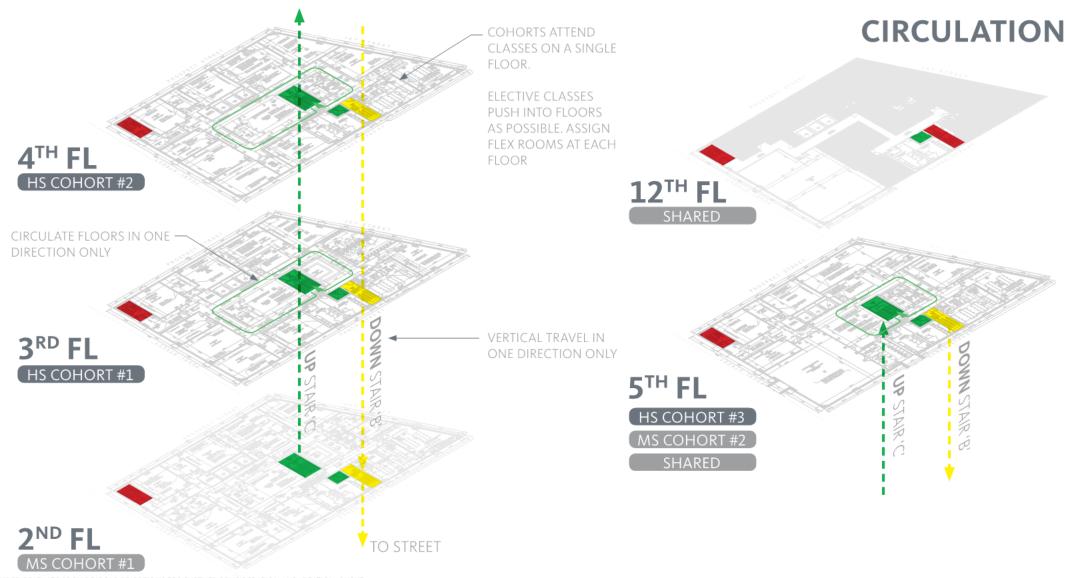
MARKERS

TEMPERATURE CHECK AT ARRIVAL

HANDWASH/

HYGIENE STATION

ASSISTANT OR PARAPROFESSIONAL



THIS MATERIAL IS INTENDED SOLELY TO PROVIDE IDEAS OR OPTIONS FOR FURTHER CONSIDERATION AND IDEATION. CLIENT SHOULD MAKE DECISIONS RELATED TO YOUR BUSINESS CONTINUITY OR PREPARATION PLANS IN COLLABORATION WITH EXPERTS











TEACHING ZONE MAINTAIN AREA AT EXISTING MAIN WHITEBOARD FOR 6 FEET APPROXIMATELY 6 FT. TEACHER ZONE **CLEAR BETWEEN STUDENTS** 6 AND TEACHERS CIRCULATION MAINTAIN CIRCULATION AISLE ADDITIONAL SPACE AT AISLES FOR TEACHER HYGIENE STATION MOVEMENT EACH ROOM CAN PROVIDE HYGIENE SUPPLIES AT ENTRY TEACHING ASSISTANTS PARAPROFESSIONALS -CLASSROOM . IF SMALLER GROUPS REQUIRE CLASSROOM CAPACITY MUST AN ASSISTANT, A CENTRAL BE FLEXIBLE TO ALLOW FOR SEAT CAN BE USED TO STUDENT + PARA SEATING PROVIDE INSTRUCTIONAL ARRANGEMENTS BASED ON HELP INDIVIDUAL STUDENT NEEDS 9'-10" *SEAT COUNT REDUCED IF PARA IN CLASSROOM 4'-0"

CLASSROOMS

SPECIALISTS

FOLLOW PULL-OUT FORMAT. SMALLER ROOMS AND OFFICES CONTINUE TO **FUNCTION AS SPECIALIST** ROOMS FOR INDIVIDUALS AND SMALL GROUPS

LOCKERS

BACKPACKS AND PERSONAL ITEMS CAN BE KEPT WITH STUDENTS. LOCKERS CAN BE ASSIGNED ADJACENT TO HOME ROOMS WITH EMPTY LOCKERS BETWEEN OR STAGGERED ACCESS TIMES

THIS MATERIAL IS INTENDED SOLELY TO PROVIDE IDEAS OR OPTIONS FOR FURTHER CONSIDERATION AND IDEATION. CLIENT













FROM IDEAS TO IMPLEMENTATION

The ideas outlined in this document are the steps to reopening. The actions summarized below describe the implementation process for the ideas.

Month One

- Wide distribution of ideas: solicit feedback from all stakeholders, including teachers, students, families, and community members.
- Generate Additional Ideas: address needs like new or modified furnishings, mechanical system modifications (increased air flow), and plumbing additions/modifications (for handwashing).
- Study Feasibility: evaluate ideas based on regulatory, budget, and schedule constraints.

Month Two

- Confirmation of ideas: to be implemented.
- Project implementation plan: developed including scope, budget, and schedule alignment.
- Team engagement: design and construction teams brought on board.
- Mock-ups: of selected ideas.

Month Three

Construction and installation: interior and exterior ideas implemented.







HOW TO ENGAGE

Our success and safety is tied to yours. We are sharing our process and plan widely so that we can get input from as many people as possible, and so that our process can help inform yours. Here are various ways to engage with us and help give families and students the option to return to school safely this fall.

- <u>Provide</u> feedback through our survey.
- Register for a focus group conversation.
- <u>Attend</u> a webinar with the American Federation of Teachers, teachers and educators from Brooklyn LAB, and members of the design team.
- Share the V1 Back to School Toolkit with leaders in your school community, reviewing the relevance of questions and ideas developed in relation to the Brooklyn LAB facility to your own context.
- Reach out to offer input or propose ways that we might work together to move this agenda forward in communities around the country.



