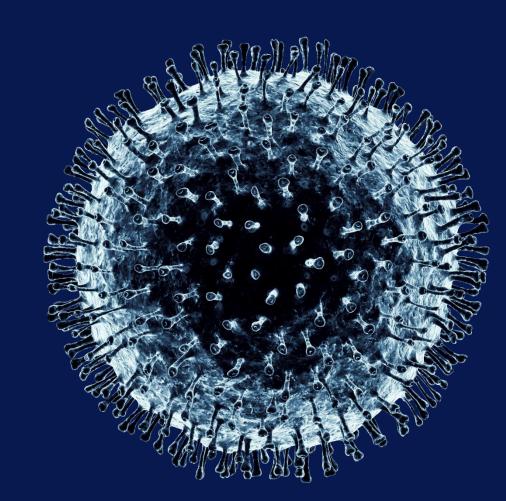


Practical planning for Fall re-opening

This Document is current only as of June 25, 2020

This Document is Solely Intended to Provide Insights and Best Practices for the Client – This Document does not Constitute Client Advice





Agenda

Topic and description			
1	Introduction and overview of the 3 webinars	5 mins	
2	Lessons learned from international school re-openings	20 mins	
	 Takeaways on health and safety protocol, resurgence, and case studies on Israel and Denmark 		
3	Solving capacity constraints and building a schedule for the "new normal"	35 mins	
	 Revisiting CFC's 100 day workplan 		
	 Reviewing constraints to in-person learning, with options to expand physical capacity, teaching and scheduling 		



Today's presenters



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Today is the first in a series of webinars on Fall re-opening

Today's webinar

Practical planning for Fall re-opening

Discussion of operational planning for a successful fall re-opening, with a focus on:

- Lessons learned from the first few months of reopening in international school systems
- "How to reopen" physical capacity constraints and scheduling practicalities for the Fall

Thursday, July 9 4.30 – 5.30p ET

Testing your re-opening preparedness

Guidance on critical academic and operational questions to solve for successful fall re-opening, including how to stress-test your own planning to identify key potential constraints or failure points

Thursday, July 23 4.30 – 5.30p ET

How to monitor and evaluate

Overview of organizational structures and operating processes needed to respond nimbly to changing conditions and the needs of students, teachers and broader system over the next 6 – 18 months



Contents

Lessons learned from international school re-openings

Solving capacity constraints and building a schedule for the "new normal"



Overview: lessons learned from international school re-openings

1

Many countries are now starting to re-open their schools, in addition to other social venues 2

In all re-opening cases, schools have had to adjust to new norms and settings

3

Most countries are maintaining their previous case-count trends, even after school reopening

4

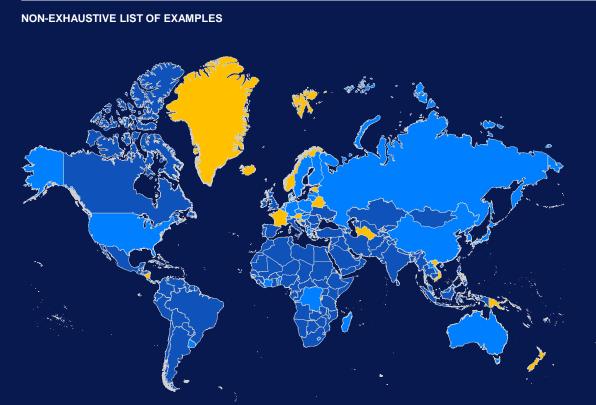
Broad stakeholder engagement and on-going early communications on guidelines are critical for successful reopen 5

Identifying and planning for future scenarios (e.g., localized outbreak) also form an essential part of re-open planning



1. Many countries are beginning to reopen K-12 schools

Many countries are using a staged approach to reopening schools, and providing specific health guidelines



144

Country-wide school closures

1.2bn

Children affected

Schools that stayed open

- Belarus
- **X** Burundi
- Cabo Verde
- Kiribati
- Nauru

- Nicaragua■ Sweden²
- Taiwan¹
- Taiwan

National closure

- Tajikistan
- Turkmenistan

Schools³ that recently reopened (fully or partially)

- Japan (Localized from 1st wk of April)
- Cook Islands (April 2)
- Marshall Islands (Apr 6)
- Greenland (April 14)
- Tonga (April 14)
- ➤ Vanuatu (April 14-20)
- Denmark
 (Primary from Apr 15)
- Faroe Island (April 20)
- E Norway (Primary Apr 20)

- Vietnam⁸ (April 20)
- Madagascar (April 22)
- China⁴ (April 27)
- Svalbard (April 27)
- Germany
 (Last wk. of April)
- New-Zealand (Apr end)
- Austria⁶ (May 4)
- Papua New Guinea (May 5)

- Australia (May 11)
- France (May 11)

Localized closure/reopen

- Eleland (May 11)
- Netherlands (May 11)

(Re)-Open

- Seychelles (May 11)
- Switzerland (May 11)
- South Korea (May 20)
- Cyprus (May 21)
- Cyprus (May 21)
- United Kingdom (June 1)

Source: UNESCO; UNICEF; press search

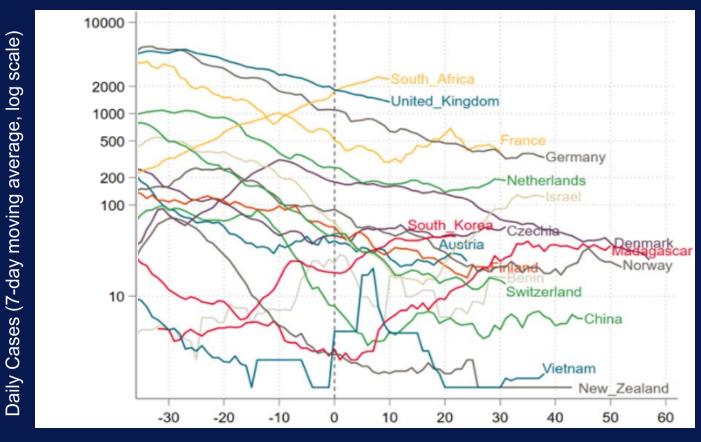
^{1.} Holidays extended by a few weeks but no formal closure 2. Primary/ secondary schools opened as of April 16; yet, closed for students >16y, 3. At least one level at the national scale 4. Although very few schools in selected regions opened March end 5. Special education schools reopened on April 21 6. For graduating classes only, all compulsory classes May 18th

2. Where schools are re-opening for in-person learning, the school setting has been modified for safety

		Denmark	*: China	Norway	** Taiwan	South Africa	İsrael
	Headline	Opened schools April 15 for children to age 12	China has gradually reopened since March	Opened April 27 for grades 1-4	Never fully closed, with local and temporary closures as needed	Reopening schools in June with phased approach starting with 7 th and 12 th graders	Phased reopening after a new wave of cases, starting with grades 1-3 then 11 and 12.
Health procedures	Temp checks		Twice a day				Temperature checks either at home or at entry
	Staggered arrival		Ø				
	Handwashing guidance				✓	Gloves provided to students and teachers	
	Mask requirement				✓		
Capacity and operational changes	Reduction in Classroom size	50%	60%	Maximum class size 15 for Grades 1-4, 20 for Grades 5-7.			Initially enforced limits on class sizes and staggering of classes. Limitations were lifted on May 17, 100% return
	Physical dividers		Not all schools				
	Reduced school bus capacity		✓		Increased cleaning of buses	Increased cleaning of buses	Increased cleaning of buses
	100% student return in phase 1						



3. Most countries are maintaining their previous case-count trends after school re-opening

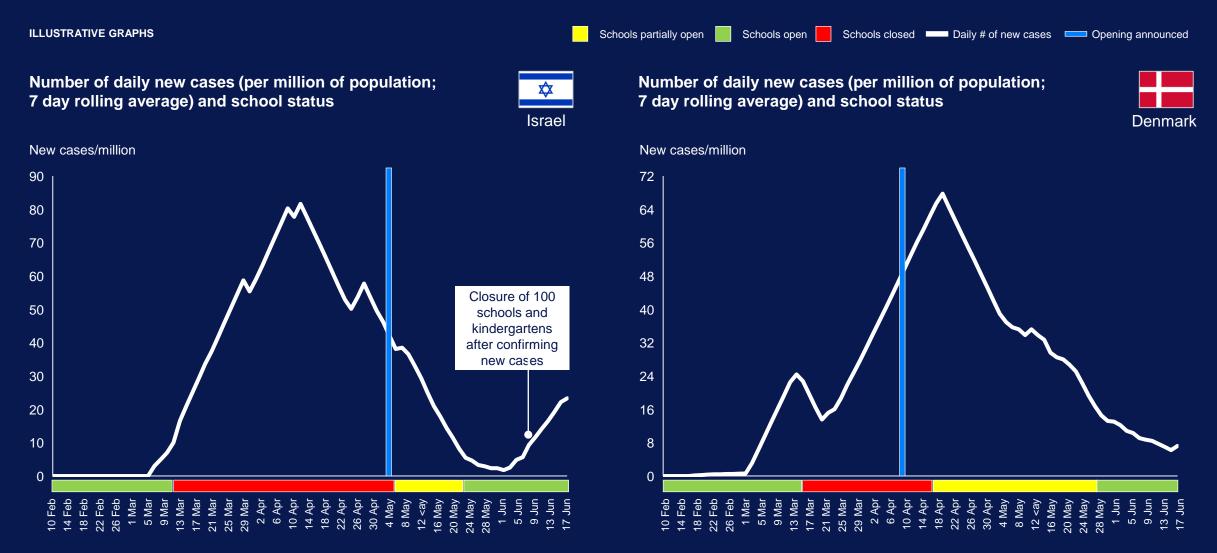


For many countries that have reopened schools, there has not been a significant resurgence in cases and trend prereopening has mirrored trend post-reopening. However, there have been a few notable exceptions such as Madagascar, South Korea, and Israel.

It is difficult to isolate the effects of school reopening and there may be other confounding variables on a local level. Further, more time is needed to fully assess these effects given time and reporting lags in the data.

Days since school reopened

4. A case of two countries: Israel and Denmark



4. As Israel reopened schools, there were challenges with policy changes and limited comms

Dimension	Description of Israel's reopening				
Guideline strategy and	Education department released macro level guidance (mandatory masks, 15 students per class)				
timeline	Re-opening was rushed (days notice), began with younger grades, but quickly expanded				
	Guidelines were changed frequently, with no time to adjust or implement (e.g. masks mandatory in class, masks only mandatory in hallway, masks not mandatory)				
Capacity and resources	No support or guidelines were given on how to adjust physical infrastructure or staffing needs. Schools were left to seek out extra classrooms or decide independently to shift to staggered school schedule to accommodate				
	Large schools found it harder to maintain majority of distancing guidelines				
Responsibility	Government guidelines felt difficult to enforce; each principal determined rules for their school				
and enforcement	Students admitted to school with slip from parents confirming temperature, symptom, and exposure check completed at home, removing responsibility from schools				
	Mandatory education law not enforced in scenario where parents chose not send children to school, and were not provided with alternative options				
Additional factors	Extreme heat led to country-wide relaxation for limited period of mask requirement; schools then faced difficulty re-enforcing these policies				
	Social guidelines contradicted school guidelines, e.g. public buses with 50 people, large social events allowed				



"Underlying it all is that there was no policy – the government wanted the economy to go back to work so they just opened schools at a two-day notice and let us figure it out"

- Principal of small size secondary school



4. Denmark has a clearly designated and communicated elementary school routine to protect students and teachers

EXAMPLE JOURNEY

Step 1 Drop off



Students are dropped off at staggered times by their class group

Students wash their hands in newly installed outside sinks, before entering the school

Step 2

School time

Hygiene precautions are taken throughout the day:

Classrooms are divided so that desks could be at the recommended two-meter distance

Students wash their hands every two hours

Surfaces are cleaned twice a day

Morning is spent doing math or science, where students who are still at home are included, via Zoom

Playtime includes a playground marked into sections, to keep students in the same, small groups. Only easily cleanable toys are permitted

Afternoons have a focus on outside play and learning (e.g., digging in the school garden, exploring nature, riding bikes)



Step 3 Pick-up



Step 4 Home



Parents line up outside on socially distant marks

Students are brought to their parents outside

Students wash their hands before going home with parents

Students change clothes once they get home

Students rewash their hands after changing clothes

Note: Denmark and several other countries that initially enforced 6 ft distancing measure have since decreased the distancing guidance to 3ft



4. These two cases shine a light on some potential actions to learn from moving forward

Dimension	Considerations for schools re-opening
Guideline strategy,	Engage and communicate in advance to all stakeholders: students, families, teachers, unions
communication and timeline	Consider a phased reopening over the course of several weeks to enable trial-and-error learnings with a small number of students
	Consider coordinating guidance with local health and other government agencies
Capacity and	Consider addressing capacity constraints in initial plan to determine
resources	New space available
	Who should return to school, so that spare classrooms will be available for distancing
Responsibility and enforcement	Consider implementing clear protocols and processes for unexpected events (e.g., what to do when student arrives with no mask, does not maintain distancing guidelines, or handwashing)
	Consider limitations on next phase roll-out if current guidelines are not upheld
Additional factors	Consider alignment with other elements of society and broader re-opening, and reassess when country-level guidelines change (e.g., sports leagues, transportation, and large social gatherings)

NOT EVILLIATIVE

5. Recent outbreaks in schools have emphasized the importance of a comprehensive resurgence plan

NOT EXHAUSTIVE Context		Public and teachers' reaction to	Deep dive on protocols to follow	
		outbreaks	Government response	
	70 cases detected in the 40,000 schools that reopened	Unions criticized some municipalities for being unprepared to face outbreaks	protocols (e.g., class, grade,	
France	50 schools closed or postponed their reopening	Rationale behind reopening timing remains unclear for many teachers however, many feel the return went "better than expected"	or school decided by the sanitary and academic authorities)	
		and retain went botter than expected	Released communications to inform and reassure parents	
**	80+ school outbreaks caused closure of entire schools	Parents and teachers asked for testing for all students and educators in schools experiencing outbreaks	Enforced a targeted closure protocol following outbreak investigation	
Israel	rael 116 students and 4 teachers were infected in one school		3	
		Attendance remained high following initial outbreaks (e.g., 89% for students in grades 1-3) in cases where schools didn't close	Tested all students and teachers in schools that had an outbreak	
	Isolated incidents of single cases resulted in closure and quarantine for all students, but no reported significant clusters to date	Some teachers filed lawsuits over discomfort with returning due to COVID	Handled issues at a regional level	
Germany		Parent associations criticized the logistics of alternating school time with home-based learning and the different approaches by the various federal states ¹	Revealed potential lack of alignment between national and regional governments	
	13 children in Kitakyushu infected, 5 of which were in	Some parents chose to withdraw children from schools nearby the outbreaks	declare state of emergency in	
Japan	same class	Five schools in the city forced to close down	early April until the end of May	
	In 9 days 97 new infections	after being open for less than a month		

Well-received resurgence plans have included

- Public acknowledgement that outbreaks may occur in schools
- Frequent communication with families and teachers
- A robust tracking and tracing process
- Targeted closure protocols for schools
- Responsive and proactive testing



5. Deep-dive: Response and protocols to new cases or symptoms

France



School protocol for appearance of symptoms:

- (1) Immediate isolation of the student (with a mask for children of appropriate age) in a dedicated room where they can be supervised until they return home or are medically treated.
- (2) Immediately call the parent(s) / guardian(s) to come and pick up the student
- (3) Complete cleaning of the room where the student was isolated, after allowing increased ventilation in the room for a few hours
- (4) Students are directed to visit a doctor. If the student is confirmed to not have COVID-19 and the doctor says the student may return to school, the student may return.
- (5) If the student tests positive and is confirmed to have COVID-19:

Schools must notify health authorities as soon as possible. The identification and testing methods for identifying contact cases will be defined by the health authorities in cooperation with the academic authorities. Decisions of quarantine, class or school closure may be taken by the authorities.

Germany



General protocol for safety (not specific to schools):

- When someone tests positively: All direct contacts (any direct physical contact or person who spent >1.5h together in a closed room within the last 14 days) will be put on 2 weeks quarantine and have to undergo testing.
- School specific:
 - If a student is confirmed with a positive test, the whole class will be put on quarantine.
 - In a setting where they had contacts across the school, the whole school is closed for 2 weeks.
 - In one city with a major outbreak (>50 kids suspected cases) all schools where closed as a precautionary measure until test results confirmed



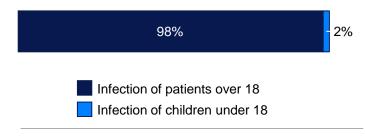
Why are schools adopting a "new normal"?

Impact of COVID-19 on children

Children are less prone to infection and experiencing severe (symptoms...

Approx. 2% of national confirmed cases of COVID-19 were among persons aged <18 years in the USA, China and Italy

Infection by age group



A Chinese study found children are 1/3 as susceptible to COVID-19 infection as adults were

The # of COVID-related deaths in the US in the age groups <15 years; most of patients already had a serious medical condition

...but have more contacts, especially when in school, increasing risk of being infected

When schools were open, **children had ~3X as many contacts** as adults, essentially evening out the risk of infection

This is mostly attributed to the greater physical activity and closer social engagement of children

There is also ever-changing data on the virus and its effect on children

For example, there is very early evidence of a new inflammatory syndrome that may be associated with COVID-19, called MIS-C (CDC research)

MIS-C impacts children, and leads to serious heart problems weeks after COVID-19 infection; however, the causes of MIS-C are not yet fully understood

As of May 12, 2020, the New York State Department of Health identified **102 patients** with MIS-C

However, research offers mixed results on transmission by children

- 1 Some studies find that children may be as infectious as adults:
 - A study by the head German virologist, Christian Drosten, found that there is no statistical evidence for a different viral load profile in children than adults
 - Another study from Wuhan found that school closures could reduce the surge of COVID-19 cases by 40-60% and decrease R by 0.3
- Other studies conclude that transmission from children is insignificant:
 - One study traced a 9 year old British child who displayed mild symptoms, and came into contact with around ~172 people but did not infect anyone
 - Another study of 239 Dutch participants (including 116 children) indicated that children <12 years were never the first in the family to be infected



Contents

Lessons learned from international school re-openings

Solving capacity constraints and building a schedule for the "new normal"

100-day workplan for school reopening: high level activities

Note: This page represents a summarized workplan for this webinar

Download full **CFC-GIG created 100-Day workplan** for districts HERE.

100 days Until students arrive		90 days Until students arrive		days ents arrive		days dents arrive	
~	May 2020	~June 2020	~July	2020	~Aug	ust 2020	Students arrive
	Operations	Finalize the sch operations plan		Implement ope (e.g., procure a retrofit facilities	ıll items,	Run simulations dry runs to fore remaining issue	see any
	Staffing	Determine scho needs and deve plan	•	Assign all staff plan, conduct to		Engage teache understand rea return; adjust be feedback if nec	diness to ased on
Ţ	Academics	Develop high le plan	vel academic	Finalize and ro	ll out academic	plan to schools	
	Special populations	Ensure academ plans account for special population	or needs of	Hold ESY, new	comer, and spe	cial needs programs	3
	Stakeholder engage	Survey students teachers to unde comfort with Fall	erstand			amilies and broader ation, academics)	community

Download full CFC-GIG created 100-Day workplan for districts HERE.

Pulse check: where is your team in the 100-day workplan?

Deep dive to follow

Activity Create high level public health guidance		Goals for activities completed so far (goals by 90 day mark)	"Upcoming" actions (goals for 60-day mark)
		Draft public health guidelines for schools based on CDC guidance; include feedback from district staff and leadership	Share public health guidelines with key stakeholders (state education and health officials/agencies) for approval
Use guidance to create detailed	Operations	Draft scenarios for school operations (facility, transportation, enrollment, scheduling) given constraints	Finalize the school operations plan
school action plans		Create high level backup/continency plans in case public health guidance shifts	
	Staffing	Conduct ongoing communications with current school staff about status of school-year planning	Determine school staffing needs and develop coverage plan to match those needs, based on school operations
			Create contingency plans for staff leave (e.g. build / expand pool of substitutes)
			Develop and implement staff support systems (e.g., move HR online, increase flexibility in contracts, create socio-emotional support programs)
	Academics	Identify team to lead academic planning	Develop high level academic plan based on school operations
		Outline topics/questions to be included in academic plan	Determine adaptations, resources required to execute academic plan
		Meet with instructional vendors / partners to understand their capabilities across school operations scenarios	Work with teachers, vendors / partners, and other stakeholders to create necessary adaptations and procure resources
	Special populations	Ensure school operations plan accounts for needs of special populations (e.g., students with disabilities, multi-lingual learners, students who are transitioning from non-district schools, etc.)	Ensure academic, staffing plans account for needs of special populations
Implement school operations plan		Begin tracker of all materials, resources to procure and tag whether	Purchase necessary materials, equipment, services
		the materials are already part of Master Pricing Agreements	Retrofit facilities as needed
Conduct ongoing comms with key stakeholders		Launch advisory groups with key stakeholders (e.g., union, staff, students/families, business leaders, etc.)	Conduct regular check-ins with advisory group, state education and public health officials, other key stakeholders
		Determine community engagement plan for updating the general public (e.g. communications channels, systems, approaches)	CHIEFS



Schools may face a number of constraints when developing reopening action plans

		x Deep dive on how schools might address this constraint to follow
Activity	Constraints to consider	How schools might address this constraint
Creating a school action plan: operations	Transport capacity: Number of students who can be transported to school	To be calculated based on state guidelines on social distancing (e.g., 50% bus capacity, plus alternate methods like staggered schedules, multiple bus loops, bus management services, kids in same seats each route, etc.)
	Classroom capacity: Number of students who can fit into a single classroom	To be calculated based on state guidelines on social distancing (e.g., 6ft between students)
	Space availability: Total available space to use as "classrooms" for the school	To be further explored – look into other options for "classrooms" within and outside the school campus
	Student forecast: Number of students & families who choose to come back (in face-to-face environment)	To be tested through survey – each district must run its own survey to test enrollment for Fall
Creating a school action plan:	Teacher forecast: Number of teachers willing to come back (in face-to-face environment)	To be further explored – surveys could give a first indication into staffing, but districts could evaluate other teaching models
staffing	Time flexibility: Number of total available days for school to be open in face-to-face environment	To be further explored – evaluate local guidelines and regulations on school timing, and flexibility with district school calendar

A. Discussion: Potential ways to expand space availability

ILLUSTRATIVE ONLY

Option	Potential examples
Increasing capacity in	Place desks in rows with physical dividers (e.g. plastic shields) between each desk
existing classrooms, while meeting	Place desks in multiple semi-circles or "U" shapes facing the board; each desk spaced 6 feet apart
health protocols	Place desks in large circle (or concentric circles) around the room; each desk spaced 6 feet apart; teacher in middle
Using other school space as classrooms	Use gyms, auditoriums, cafeterias ¹ , lobbies, large hallways or other large indoor spaces as additional classroom space – can be used for large class sizes (e.g., core classes for high school) or can be repurposed with physical dividers to form modules
	Set up "wedding tents" (modules) in school fields and/or parking lots, weather permitting
Finding new, additional	Use community centers, houses of worship, concert venues, YMCAs, movie theaters, as additional classroom space
spaces	Set up "wedding tents" in public parks, outdoor sports stadiums, or other outdoor public spaces
	Utilize universities that are likely to remain closed
	Rent corporate office space and conference centers that are not in use

International examples



Schools have installed plastic shields around students' desks to protect teachers and other students²



Schools repurposed bigger spaces, like libraries, into classrooms to fit more students while maintaining social distancing³



Considering utilizing vacant business centers and venues for additional class space 4

^{1.} Assume that students would eat meals in their classrooms

^{2. &}quot;Plastic shields in place, Dutch schools to reopen amid coronavirus", May 8 2020

^{3. &}quot;How Schools in Other Countries Have Reopened," Ed Week, June 10, 2020

^{4. &}quot;Coronavirus: What is a blended model of learning?" May 22 2020

B. Discussion: Options to increase teaching pool and reach

ILLUSTRATIVE ONLY

Option	Potential examples
Extend reach of certified	Group teachers who may not return to school into "Micro school" formats - teaching small groups within a neighborhood
teachers	Provide synchronous content through live recording of classes, or asynchronous through pre- recorded classes
	Prepare supporting materials for remote students
Adjust responsibilities of	Extend responsibilities of single subject teachers (e.g., art, PE), teaching assistants, and other staff to assist with non direct teaching roles, such as:
existing teachers	 Supervising student who attend streamed classes and facilitate with teachers
and staff	Support study groups or small group project-based work
	 Oversee transitions in exit/entry hallway and individual safety (e.g., hand washing)
	1:1 or small group supports and daily student check-ins
Increase total	Recruit retired teachers for assistance with remote, micro school, or face-to-face environment
pool of teachers	Redirect unemployed staff from other industries through state unemployment offices
and staff	Utilize extended federal/state programs:
	 "Corona Corps"^{2,4}, 18- to 24-year-olds who take time from school to help contact tracing
	 Increase City Year and other AmeriCorps staffing to support classroom teaching environments
	Peace Corps volunteers ³

More information on flexible staffing models in CFC's paper "The Return"

1. Ynet, Mako (May 7 2020); 2. Washington Post (May 29 2020); 3. Politico (June 16 2020); 4 WBIR, "Tennessee Tutoring Corps receives hundreds of applications" (May 27 2020); 5 "How Denmark sent children safely back to school" ITV May 20, 2020

Examples



Israel

Suggested program to expand pool of teachers with 450 new recruits by initiating 4-month training to provide to recently unemployed educated adults¹



Schools have recruited extra teachers and staff, including recruiting recent high school graduates who were on "gap years" traveling internationally and had to return to Denmark⁵



C. Scheduling options can be adjusted based on preferred model for in-person and virtual learning

Deep dive to follow

Option	Description
Default remote learning	Allow face-to-face activity only for certain grades, special populations, or subjects
	Prioritize K-6 for in-person learning, with middle-high school populations majority remote, pending subjects that require in-person equipment (e.g., lab classes for STEM, music / art electives)
Stable groups	Divide cohorts and classes into "stable groups" that are maintained throughout classes, lunch, breaks, and ideally transportation groups
	Keep exposure outside of group to a minimum, with schedule minimizing movement across campus
"Back to normal" scheduling with increased precautions	Re-open schools with mostly normal scheduling with some decreased capacity (at-risk populations) Keep class size same as pre-COVID-19 Increase cleaning measures in place

Examples



Children of essential workers prioritized in the first phase of reopening



Germany

During first phase of reopening, classes were divided in two with half of the students attending one day, the other half the next day and limited to 2 – 3 hours. Students in older grades returned first to finish exams with elementary school students last



Taiwan

Taiwan never fully closed schools but has implemented strict hygiene and increased sanitizing measures (e.g., lunchrooms have plastic dividers)



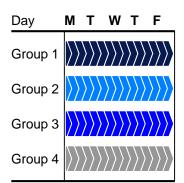
C. Schools can consider adjusting schedules based on need for inperson learning and safety guidelines

NOT-EXHAUSTIVE - ILLUSTRATIVE

Pre-COVID-19

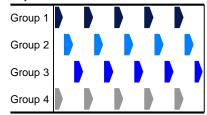
Full time x 5 day model

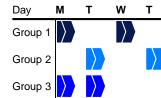
Students from all grades come to school



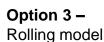
Post COVID-19

Option 1 – Day M T V Group 1 Group 2





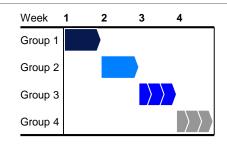
Group 4



Option 2 -

Staggered

model



Description

All students have a "block" (e.g., 4 hrs) per day Schools can have between 2 and 4 blocks

Where model works best:

Daily touchpoints are necessary, younger cohorts/special needs

Students go to school every other day - the rest of the time would be spent learning at home

Students can change schedule every week

Where model works best:

 Courses and grades where core curriculum is potent part of schedule; elementary/middle school cohorts

An entire group comes to school full-time for a week (e.g. week 1, grade 1; week 2, grade 2, etc.)

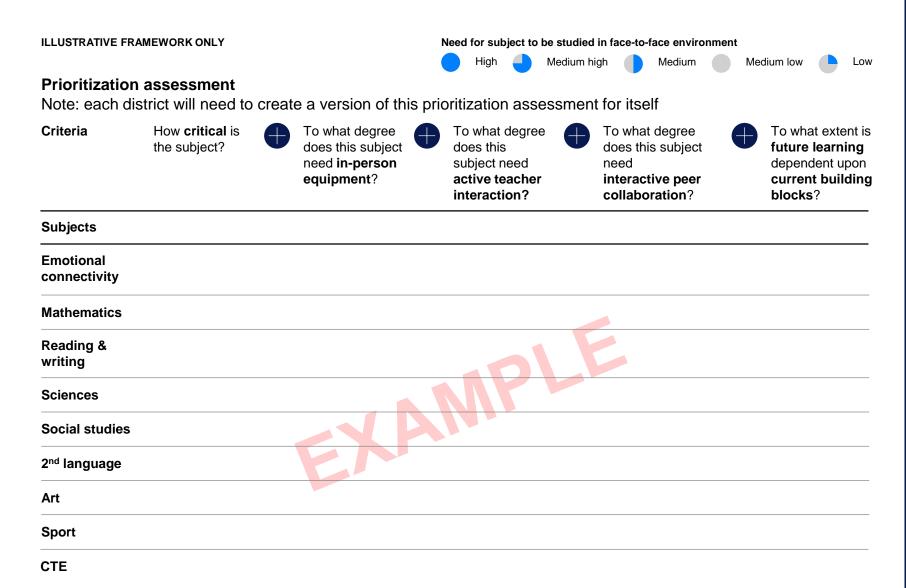
Where model works best:

Project based classes; Middle/high school cohorts

- These models consider fixed face-to-face learning hours per month; additional flexibility can be introduced by:
- Increasing days per week (e.g., Saturday classes)
- Increasing weeks per year (winter/spring break classes)
- Increasing number of semesters (add summer semester for certain cohorts)
- More information on ending the agrarian school calendar in CFC's paper "The Return"



C. Districts can consider prioritizing classes for face-to-face learning based on a number of factors



Implications

Districts must decide which criteria to weigh more heavily for each class.

For instance, for CTE classes:

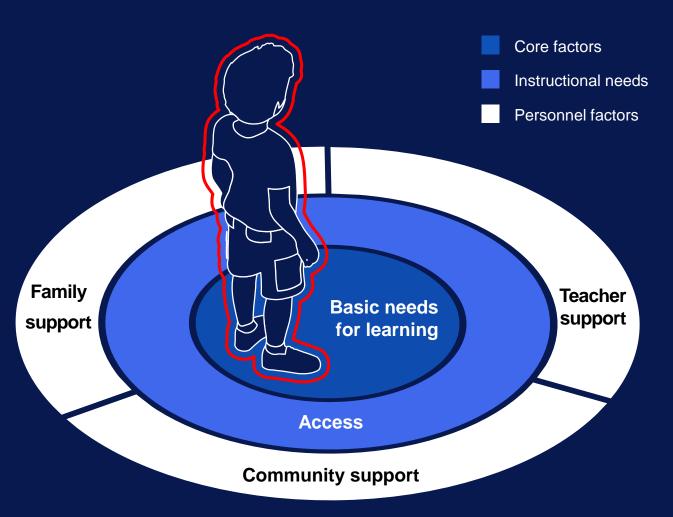
 Districts might weigh the "need for in-person equipment" heavily, and decide to hold classes in person

OR

 Districts might weigh the "subject criticality" heavily, and decide to hold classes remotely. Denmark has taken this approach in its reopening.



Schools may further want to consider vulnerable student groups in their prioritization for in-person learning



Many international schools prioritized vulnerable student groups to return in first wave of reopening



Denmark

Along with kindergarten and primary schools, schools reopened for students with special needs from all grades (where the individual local councils consider it safe)¹



Netherlands

The government reopened special needs education time for 100% of normal school time, while keeping primary and daycare centers still at only 50% of normal school time²



Israel

Reopened special education classes first, along with pre-schools; they are prioritizing special education children to ease pressure off parents who have had to work with children out of school for a significant amount of time³



Wrap up & discussion questions

1

What topics did you find most helpful during this session?

2

Which areas should we cover in more depth during our next session?