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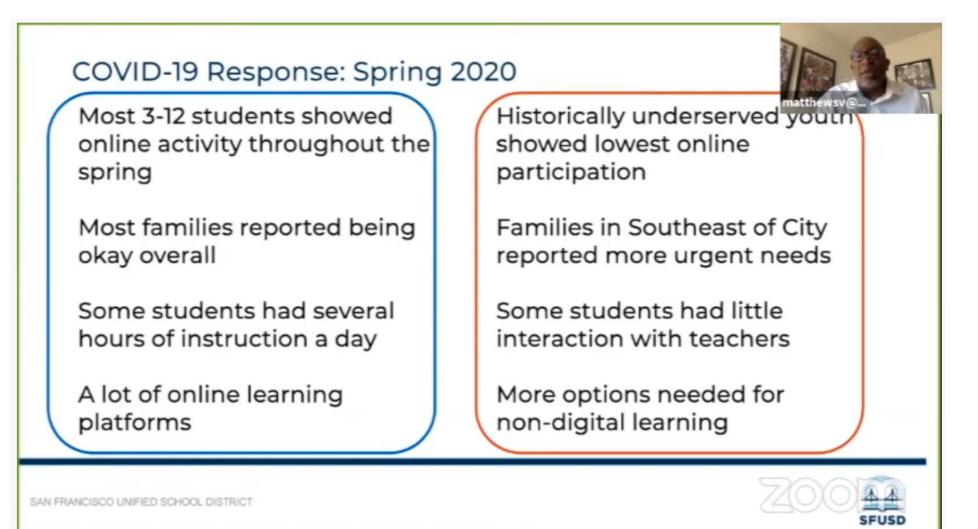
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Challenges

- The coronavirus pandemic makes it unsafe for school to continue as usual.
- But in the spring, we learned that distance learning does not work well for most learners, especially our youngest and most vulnerable students.
- Distance learning exacerbates inequities in our city by forcing parents to choose between co-teaching distance learning or working.



Solutions

- Outdoor education is a much safer way to go back to school studies have shown that viral loads are up to 20 times less and transmission rates are significantly lower.
- Outdoor cohorts is an already proven model. RecPark and YMCA have been helping families with childcare throughout the pandemic.
- If we can scale up, outdoor education is equitable. In-person instruction is critical for young learners and vulnerable populations and outdoor education can safely provide that.
- Outdoor education has been shown to deliver academic, social, and emotional benefits to students and teachers.



San Francisco Department of Public Health



Reopening TK-12 Schools for In-Person, On-Site Instruction Preliminary Guidance for School Year 2020-2021

Ventilation and Outdoor Spaces

Increasing outdoor air circulation lowers the risk of infection by "diluting" any infectious respiratory droplets with outdoor air. Being outside is even lower risk.

- Use outdoor space for instruction and meals/snacks as much as possible.
- Open windows and doors to increase circulation of outdoor air, if it is safe to do so and does not worsen individuals' allergies or asthma.
- Consider designating outdoor spaces for each cohort and marking boundaries to make sure that students stay in their cohort when outdoors.
- Limit use of shared playground equipment in favor of activities that have less contact with shared surfaces.
 - If used, outdoor playgrounds/natural play areas only need routine maintenance. Make sure the children wash or sanitize their hands before and after using these spaces. When hand hygiene is emphasized, cleaning and disinfection are not required between cohorts.









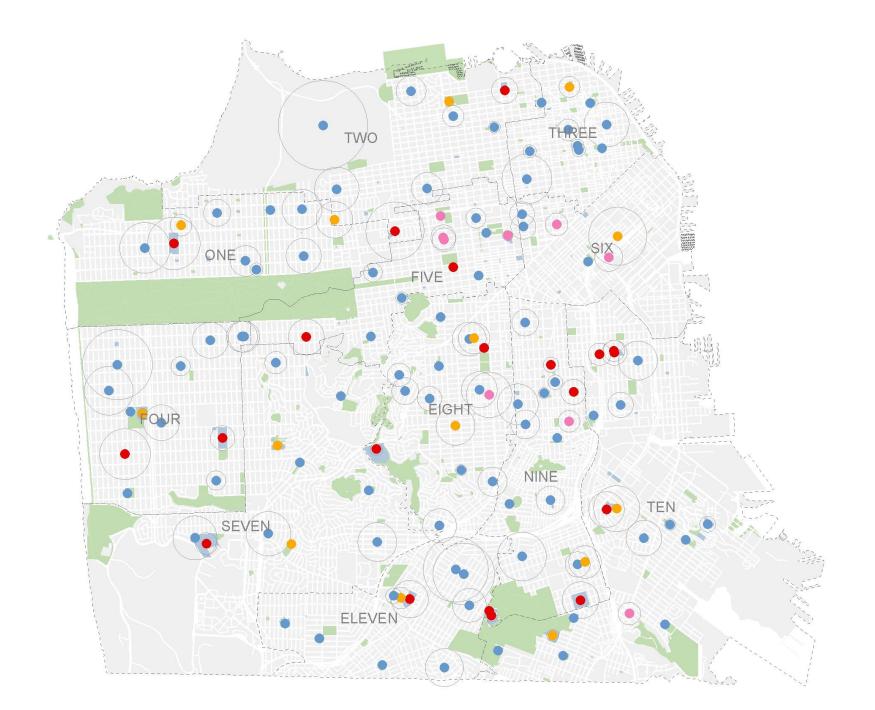
Resources

- San Francisco is rich in open space, especially close to elementary schools
- SFUSD has been investing in outdoor education for over a decade. There is some on-site infrastructure and some trained staff
- Organizations such as Green
 Schoolyards America can provide training, curriculum, cost estimates and case studies for teachers and administrators.
 <u>https://www.greenschoolyards.</u>
 <u>org/covid-learn-outside</u>



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Average distance to a park from PK, PK/K-5 or PK/K-8 is 700 Feet



Grades (average distance to park)

- PK, PK/K-5, or PK/K-8 (700 ft)
- 6-8 (**740 ft**)
- 6-12 or 9-12 (800 ft)
- Charter or County (680 ft)

Recreation & Parks

SFUSD

Distance to nearest park (0.25 mi shown here for reference)

116 out of 130 USD schools are within 0.25 mi of a park.

All 130 USD schools are within 0.5 mi of a park.

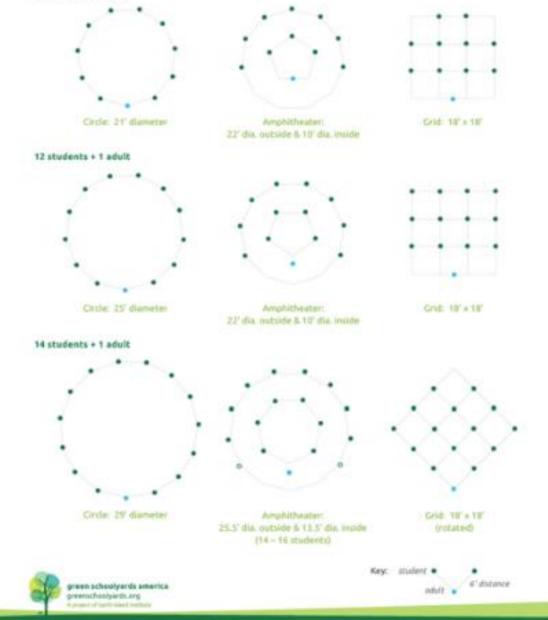
OUTDOOR EDUCATION

safe joyful connected equitable

POTENTIAL OUTDOOR CLASSROOM CONFIGURATIONS WITH 6' SOCIAL DISTANCING

SCALE MODELS BELOW ASSUME EACH OUTDOOR CLASSBOOM FITS PART OF A CLASS

10 students + 1 adult



ND-18 Parning Outdoor Charatoon billiamouture East Calculator

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Outdoor Classroom Configuration Options

Outdoor Infrastructure Cost Estimate Tool

Actions

- Establish that outdoor education is plan A for getting back to in-person instruction
- Choose a scale that is feasible and work on logistics and funding district-wide.
 - **Example**: all TK and K teachers get an outdoor educator partner to cut class size in half for manageable outdoor learning.
- Engage corporate and philanthropic partners to fund staff to partner with SFUSD teachers outdoors, employing young people who are passionate about outdoor education and have lost their jobs. Partners could include RecPark, YMCA, DCYF, and Academy of Sciences.
- Encourage SFUSD to set a strong framework but allow creativity at the school level so that we can test new models and share lessons learned.

Outcomes

- Low-risk, in-person learning
- Improved social-emotional learning for all students, teachers, and staff
- In-person education for all, not just those who can afford it
- Employment for San Francisco's outdoor educators
- Reduced stress and improved work capacity for San Francisco's working parents

Alternative if we don't act

Increased psychosocial and fiscal effects on all children and families, especially our most vulnerable. Family stress. Lower quality educational opportunities. Increase in the achievement gap. Lack of physical activity and all the negative impacts stemming from that. Less help for vulnerable students. Anxiety. Loneliness. Lack of motivation.

Recent Press on Outdoor Education

Schools Beat Earlier Plagues With Outdoor Classes. We Should, Too. <u>https://www.nytimes.com/2020/07/17/nyregion/coronavirus-nyc-schools-reopening-outdoors.html?referringSource=articleShare</u>

Pods, Microschools and Tutors: Can Parents Solve the Education Crisis on Their Own? (note: Rooftop ES featured) https://www-nytimes-com.cdn.ampproject.org/c/s/www.nytimes.com/2020/07/22/parenting/school-pods-coronavirus.amp.html

PBS News Hour piece on Green Schoolyards America work

https://www-pbs-org.cdn.ampproject.org/c/s/www.pbs.org/newshour/amp/show/a-california-collective-makes-the-case-for-outdoorschooling

Outdoors Covid Risk (media):

https://www.sfchronicle.com/news/article/Is-risk-of-coronavirus-transmission-lower-15287602.php

Philadelphia and outdoor learning:

https://whyy-org.cdn.ampproject.org/c/s/whyy.org/articles/some-philly-schools-to-use-outdoor-classrooms-when-irl-lessons-resume/amp/

The New England Journal of Medicine (peer-reviewed publication) on school reopening. https://www.nejm.org/doi/full/10.1056/NEJMms2024920

Brown University publication on negative impact of virtual schools https://edworkingpapers.com/sites/default/files/ai20-250.pdf

Public Policy Institute of California on challenges of detecting child abuse with online education https://www.ppic.org/blog/school-closures-hamper-monitoring-of-child-welfare/

Online education widens the economic gap <u>https://www.nytimes.com/2020/06/05/us/coronavirus-education-lost-learning.html</u>

NWEA brief on learning losses in COVID-19 (emphasis on younger children) https://www.nwea.org/content/uploads/2020/05/Collaborative-Brief_Covid19-Slide-APR20.pdf

Students with disabilities don't benefit from online learning

https://www.chalkbeat.org/2020/3/12/21178761/schools-that-go-remote-for-coronavirus-must-keep-serving-students-with-disabilitiescan-any-really-d

Special Ed in times of COVID-19

https://www.theatlantic.com/education/archive/2020/04/special-education-goes-remote-covid-19-pandemic/610231/

The Atlantic: on crucial role of socializing

https://www.theatlantic.com/family/archive/2020/06/how-quarantine-will-affect-kids-social-development/613381/