

Who We Are



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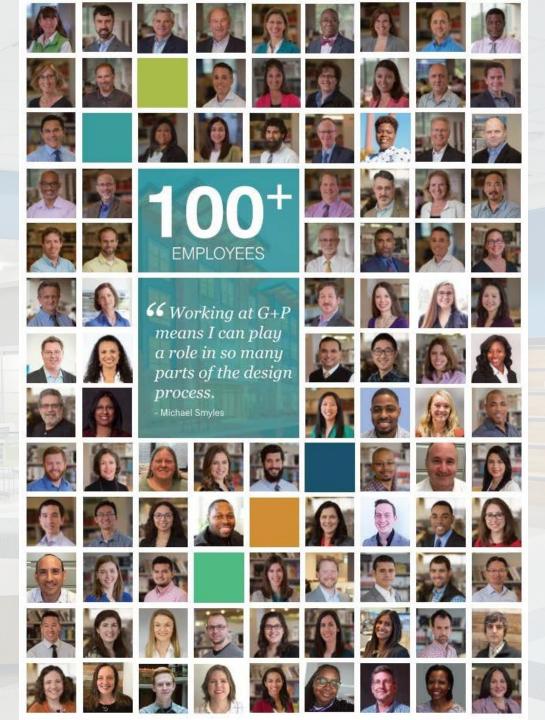


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Creative Collaboration Sustainable Solutions Engaging Environments

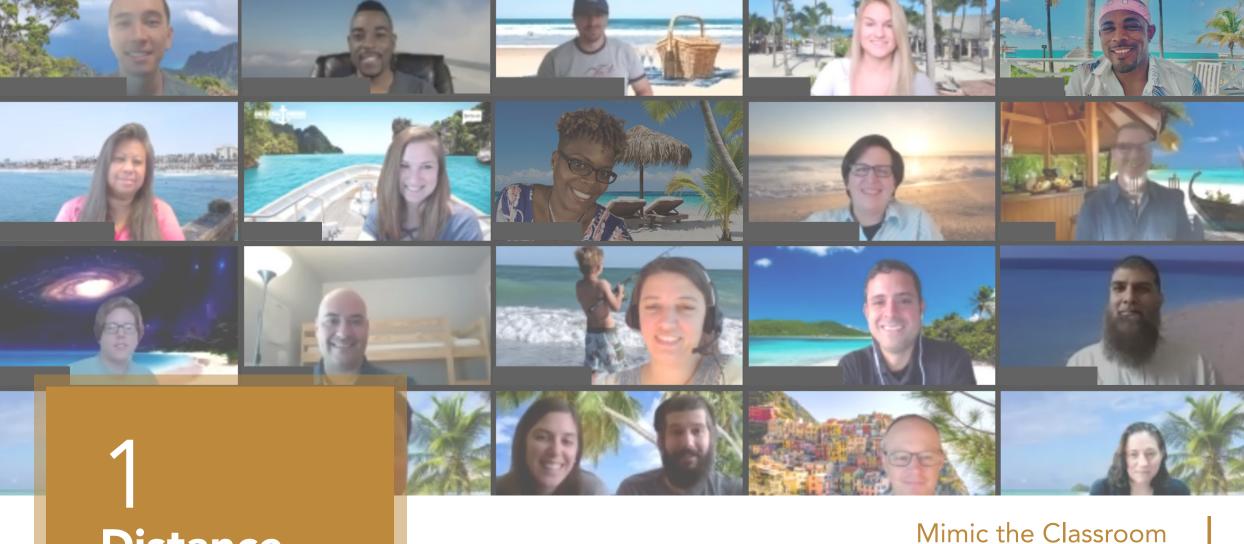




Creative Solutions Areas

- 1 Distance Learning
- 2 Play + Socialization
- 3 Social Distancing
- 4 Healthy Environments
- 5 Shared Objects and Spaces
- 6 Water Fountains + Food Service
- 7 Ventilation | Enclosed Spaces
- 8 Potential Long-term Solutions

In response to the concerns of our clients, G+P assembled a series of resources.



Distance Learning Mimic the Classroom Reward Collaboration Encourage Movement Get Creative with Technology Remain Mindful



To the best of your ability, mimic the classroom.



Reward students for discovering safe ways to collaborate.





- Limit excess noise
- Keep a consistent lunch hour
- Set up your remote classroom away from the TV and other distractions
- Mimic recess with a mid-day walk







Most creative mask competition¹



aged children report
very or somewhat
likely to switch to

at-home learning²

Grab a seat that allows for some movement.

It can increase attention span and concentration.

Get creative with **teaching technology**.







VS Hokki stool³



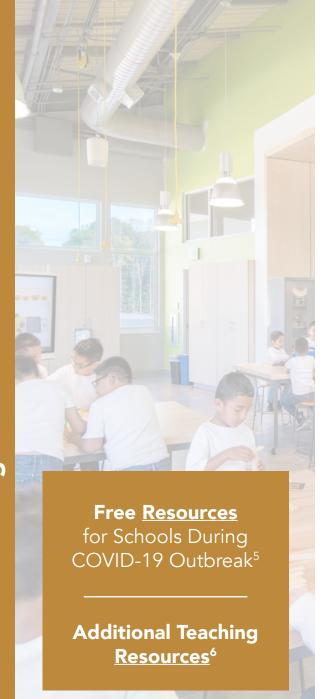
Virtual Whiteboard



Smart Pen⁸



Go Pro⁷



Remain Mindful.

Everyone's teaching and learning situation might look different right now.







The Science of COVID-19



#SameHere

A mental health awareness initiative bringing together the education community, for the community and by the community when we all need it the most.

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- 1. Mask competitions.
 - https://www.lockhaven.com/news/local-news/2020/04/winning-masks-unveiled-in-express-maskerade/
- 2. Ipsos poll. https://www.ipsos.com/en-us/news-polls/usa-today-teachersparentscovid
- 3. VS Hokki stool.
 - https://vsamerica.com/hokki
 - https://vsamerica.app.box.com/s/3zhpqkajvdnqjnqy7w5chlrbrt6u6w7i
 - https://www.youtube.com/playlist?list=PLrkY6b90lghfTx4tbUY-k_TXAzurRaaRA
- 4. Jumper Air Active.
 - https://vsamerica.com/kataloge/gesamtkatalog/details/50005/jumper-air-active
- 5. Free Resources for Schools During COVID-19 Outbreak.
 - https://thejournal.com/articles/2020/03/13/free-resources-ed-tech-companies-step-up-during-coronavirus-outbreak.aspx
- 6. Corona Virus Free Teaching Resources, District Administration.
 - https://districtadministration.com/coronavirus-free-teaching-resources-free-education-services-covid-19/
- 7. Teacher: How a GoPro Got My Students Excited to Learn.
 - https://www.educationworld.com/a_news/teacher-how-gopro-got-my-students-excited-learn-1937487050
- 8. Education Stylus.

https://educationstylus.com/2015/01/04/on-the-eleventh-day-of-christmas-my-true-love-gave-to-me-a-gopro-to-film-class-widely/



2
Play +
Socialization

Addressing Students' Social Needs Fostering Engagement Rewarding Students for Doing Good Deeds

Addressing Students' **Social Needs**

"It's important to our health, well-being and stress levels that we don't confuse the necessary physical distancing with social isolation...

We all need each other and maintaining our social connections as much as we can is a must to functioning well through this crisis."1

develop ways
to cope with
stress, emotions,
feelings, and
behaviors
in different
situations
are likely to
do better
academically.

Students who



Fostering **Engagement**



Shadow lag



Courtesy of Calgary Herald



Rewarding students for doing **good deeds.**







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De-densify Communal Spaces Re-thinking Outdoor Learning Re-configuring Learning Spaces
Potential Investments

Generally, classroom distancing was found to be a top concern for public education professionals.

De-densify communal spaces.

Areas to consider:

- Dining Areas
- Gymnasium and Recreation Areas
- Collaborative Learning Zones
- Media Centers
- Circulation Space
- Vestibules







"Of course, reconfiguring non-instructional spaces for learning will be much simpler if schools have flexible, agile furniture that is designed for easy manipulation, such as tables and desks on casters and other furnishings that can be moved around and set up in various arrangements."

- Rethinking School Spaces¹



using visual cues to demonstrate physical spacing."2

Rethink **outdoor learning spaces.**





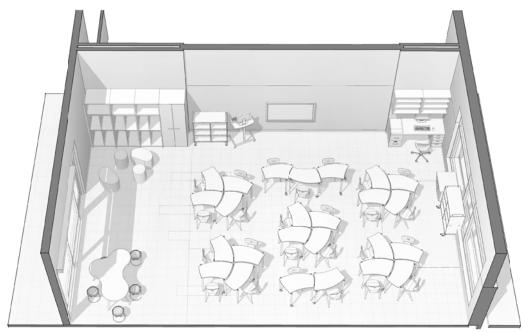


Reconfiguring Learning Spaces

Transitioning to physically distant classrooms.

BEFORE

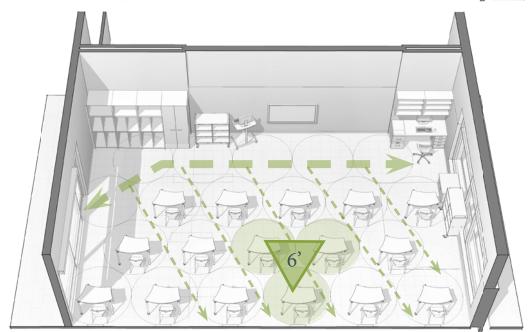
25 Students individual desks 9 stools



AFTER

16 Students individual desks

Hybrid approach where some students are remote learning and some students are in the classroom.

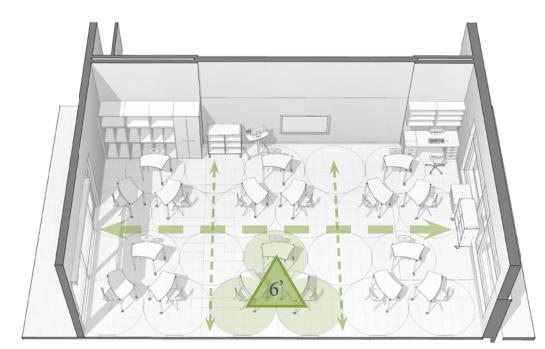


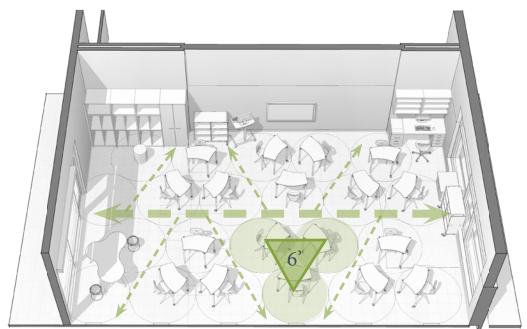
Reconfiguring Learning Spaces

Physical distance allowing small group collaboration.

18 Students individual desks

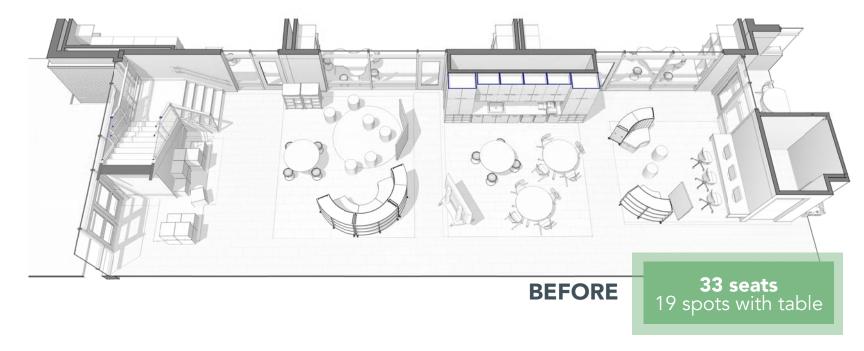
18 Students individual desks 3 stools

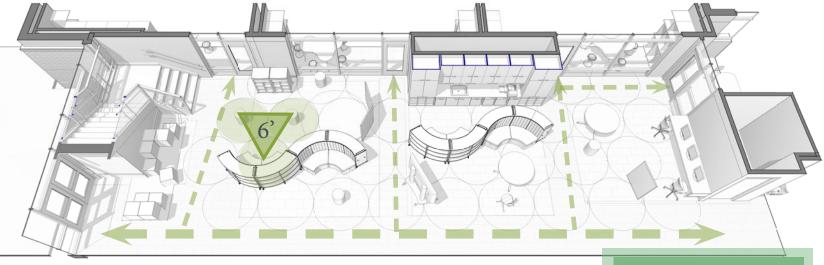




Reconfiguring Learning Spaces

Utilizing collaborative learning zones adjacent to classrooms.





AFTER

12 seats 5 spots with table

Reconfiguring Learning Spaces

Collaborative Learning Zone **layout options**.



AFTER

14 seats 8 spots with table

68% of parents say their child would find it difficult to follow

social distancing guidelines at school.⁷

Potential **Investments**

Self-study Areas and Tutoring Cubicles



Agati Nook study carrels⁴



Agati Pod study carrels⁴





Vanerum Privacy pod⁶



OFS Agile⁵

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For a more cost effective solution, use **mobile storage** and mobile marker boards to temporarily divide space.

Potential **Investments**

Screening devices and other furniture solutions can provide a protective barrier to allow collaboration.







VS America
Serie 2000 Mobile Room Dividers¹²



Screenflex dividers⁸

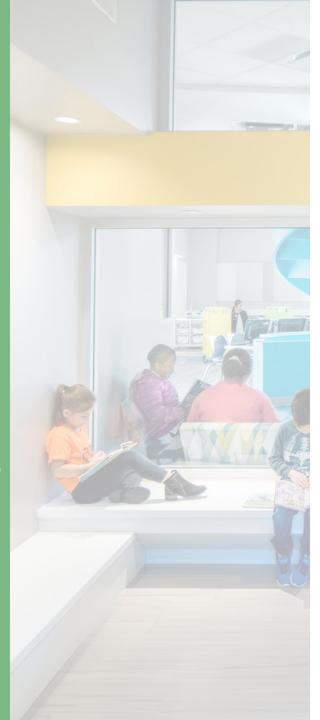


<u>Steelcase</u> Separation Screens¹¹



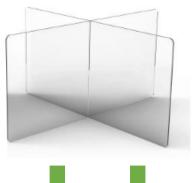
Mooreco Essentials
Mobile Clear Divider9

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Potential **Investments**

Screening devices and other furniture solutions can provide a protective barrier to allow collaboration.





<u>Interstate</u> plastics table dividers¹⁶





Openingthebook¹⁴

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All Terrain Screens
Universal HeightAdjustable Screens
Tattoo Screens
Connection Zone Marker
Surface Screens¹⁵





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Potential **Investments**

Graphics can be friendly, visual cues to effect behavior.

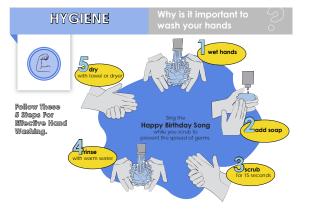
They can also be used to promote student understanding.













Social Distancing - References

1. Rethinking School Spaces and Structures to Maintain Proper Distancing Amid COVID-19

Spaces4Learning.com

2. Social Distance.

https://www.health.state.mn.us/diseases/coronavirus/schools/socialdistance.pdf

3. Danish Children Are Heading Back to School – Here's What it Looks Like. https://www.weareteachers.com/denmark-reopening-schools/

4. Agati Pod study carrels + Nook study carrels.

5. OFS Agile.

https://ofs.com/products/open-plan/workstations/agile

6. Vanerum pod privacy.

https://vanerumna.com/product/privacy-pod/

- 7. USA Today | Ipsos Poll to parents of K-12 children in the U.S.
- 8. Screenflex dividers.

https://www.screenflex.com/markets/healthcare/

9. Mooreco Essentials Mobile Clear Divider.

https://moorecoinc.com/product/essentials-mobile-clear-divider/

10. Takeform Adjoin Freestanding Partitions.

11. Steelcase Separation Screens.

https://www.steelcase.com/products/screens/separation-screens/

12. VS America Serie 2000 Mobile Room Dividers.

https://vsamerica.com/kataloge/gesamtkatalog/7058/screens/

13. SI Spacesaver Interiors.

https://ss-usa.s3.amazonaws.com/c/308479411/media/ 16215ed56d21285cb07289126240587/SpacesaverInteriors-Acrlyic-Dividers.pdf

14. Opening the Book.

openingthebook.com

15. KI.

https://www.ki.com/products/category/accessories/screens/

16. Interstate plastics table divider.

https://www.interstateplastics.com/Portable-Divider-Wall-Sneeze-Guard-Office-Table-Dividers-Sheet-MSCEADIVIDERWSLT.php

17. Print Resources.

https://www.cdc.gov/coronavirus/2019-ncov/communication/print-resources.html?Sort=Date%3A%3Adesc

18. Social Media Toolkit.

https://www.cdc.gov/coronavirus/2019-ncov/communication/mental-health.html



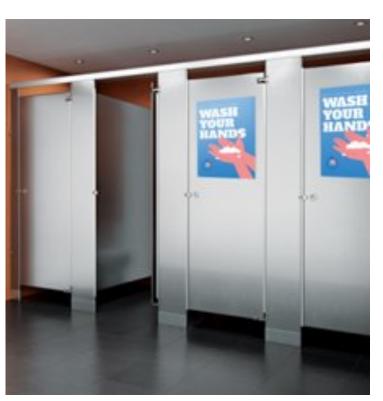
4
Healthy
Environments

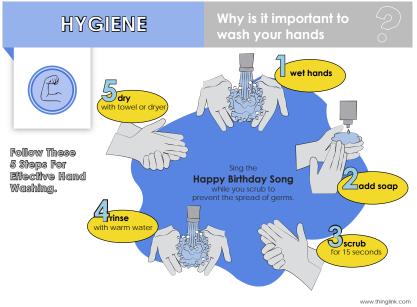
Reinforcing Healthy Habits
The Built Environment



Reinforcing **Healthy Habits**







Hand washing educational signage (From Discovery STEM Academy)² Link for download

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The **Built Environment**



Snowden Farm Elementary School



Tarkett Microtone Rubber Tile³

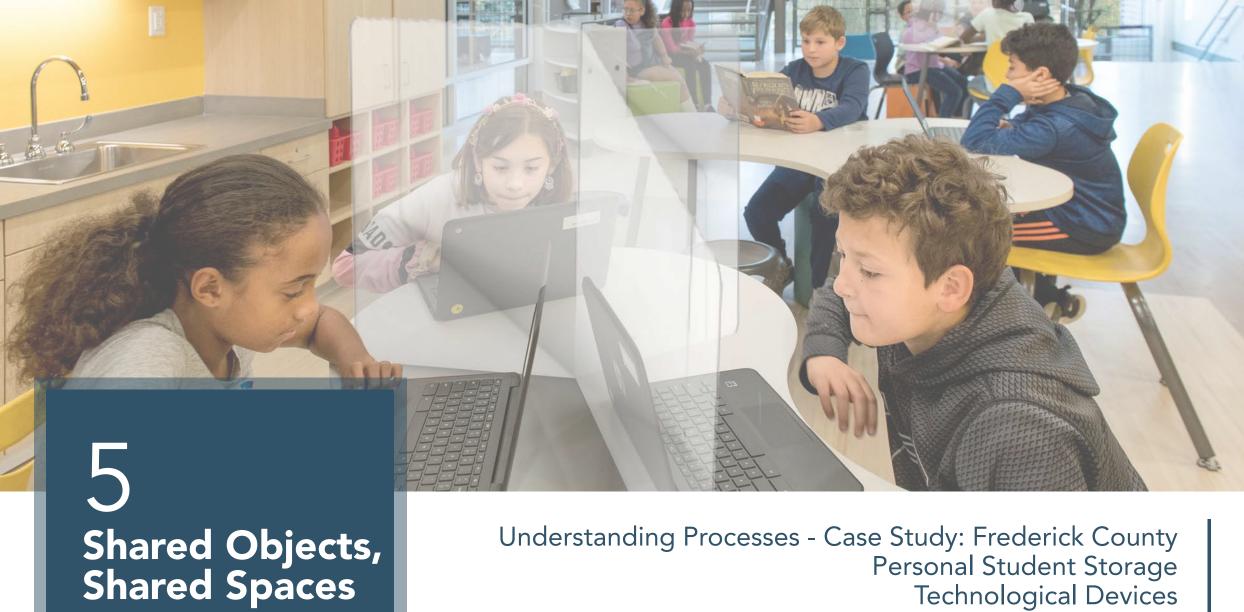


FlashCove Prefabricated Base⁴



Aquaterior 5" Auto Sensor Faucet⁵





Understanding Processes - Case Study: Frederick County Personal Student Storage Technological Devices Flexible Dining **Emergency Protocol**

Personal **Student Storage**





<u>Desks</u> with hooks¹

<u>Cubbies</u> with closed fronts²





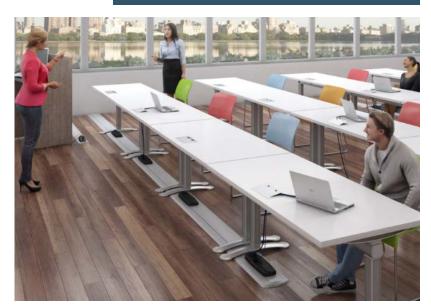


<u>MooreCo</u> hooks³

Technological Devices



<u>Hamilton</u> LTT-10 Hamilton 10 Port USB Charging Station⁴



Wire Management <u>ConnecTrac</u> On-floor wireway⁵



<u>ChargeTech</u>Floor Stand Charging Station⁶



Flexible Dining







Emergency Protocol





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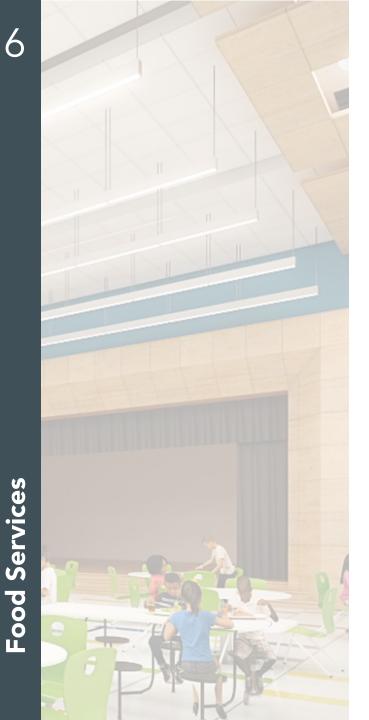
Shared Objects, Shared Spaces - References





6 Food Services

Food Hygiene Food Distribution Wraparound Services



Food Hygiene



Sneeze guard <u>Star</u> Manufacturing¹



Single Deck Classic Cafeteria <u>Breath Guard</u> Vollrath N37312 Nsf2 (2011)²

Food Distribution



Courtesy of Dennis Express



delivery <u>cart</u>³

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Wraparound Services



Read on:

How to get meals for kids and families while Oregon schools are closed due to corona-virus concerns⁴





Images
courtesy of:
npr.org,
Schools Race
To Feed
Students Amid
Coronavirus
Closures⁵



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- 1. Sneeze Guard
 Star-mfg.com
- 2. Breath Guard

Https://www.kitchenrestock.com/Vollrath-N37312-Sneeze-Guard-Stationary_p_12041.html

3. Hot and Cold Delivery Cart

Https://unifiedbrands.net/products/dual-temp-120-cart/

- 4. How to get meals for kids and families while Oregon schools are closed due to corona-virus concerns
 Oregonlive.com
- 5. Schools Race To Feed Students Amid Coronavirus Closures
 Npr.org,



Ventilation and Enclosed Spaces

Improved Ventilation Disinfecting with UV-C Light

"...We can enlist buildings to help us in this fight... when classrooms used portable air purifiers to supplement the building systems, there was a 50 per cent reduction in the relative risk of transmission (of measles)."

Improved **Ventilation**

HEPA filtration, as used in hospitals, can filter out a COVID particle.



More on this topic from ASHRAE²

- Can HEPA Air Purifiers Capture the Corona-virus? 7 April 2020 Tim Heffernan
- Joe Snider, Could indoor air quality become part of the post corona-virus play-book?
- GreenBiz
- Ventilation is key to reducing Covid-19 spread Cooling Post
- COVID-19 Outbreak Associated with Air Condition in Restaurant, Guangzhou, China, 2020
- Centers for Disease Control and Prevention
- MFM, Five Ways to Improve Building Ventilation



Disinfecting with **UV-C Light**

UV-C light can be generated via filtered excimer lamps.

It has proven to act as a powerful germicide (ultraviolet germicidal irradiation).



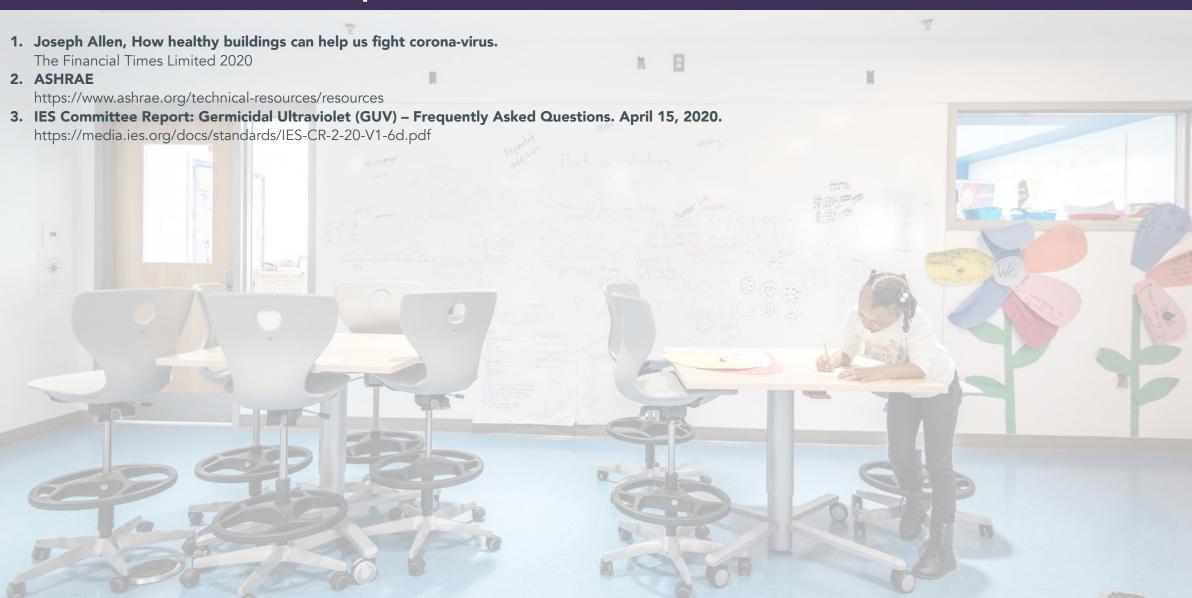
www.buddgroup.com



www.spec-net.com.au

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Ventilation and Enclosed Spaces - References





Building Solutions Interiors Solutions



Building Design

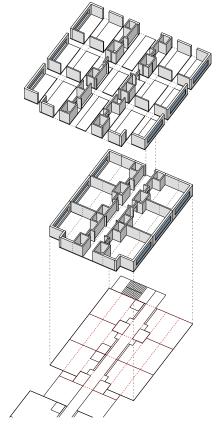
Flexible Building Design

Adaptive Reuse

Promoting **INNATURE** experiences

Modular Construction

Lightweight Architecture









Interior Design

Space planning, Circulation and Programming

Larger Learning Spaces

Antimicrobial Interior finishes

Color Trends Design solutions that positively impact socio-emotional learning & provide stimulating colors and textures in finishes and surface materials.

Biophilic Design – connections to the natural environment

Scaling of Spaces















