

$$\cos(A+B) = \cos A \cos B - \sin A \sin B$$
$$\sin(A+B) = \sin A \cos B + \cos A \sin B$$
$$\tan(A+B) = \frac{\tan A + \tan B}{1 - \tan A \tan B}$$

Return to School Confidently and Safely with personal protection!



As you make decisions about opening schools and keeping teachers and students safe, reduce the risk of infection with the **ASI Face Shield**, an effective, comfortable protective shield that easily accommodates teacher student interactions.

COVID-19 is mostly spread by respiratory droplets released when people talk, cough, or sneeze. The more a teacher, student, staff member or visitor interacts with each other, and the longer that interaction, the higher the risk of COVID-19 spread.¹

Face Shield Study

Face shields reduce inhalation exposure to airborne viral loads. In a simulation study from 18 inches, face shields²

- Reduced immediate viral exposure by 96% within 18 inches of a cough
- After 30 minutes, the protective effect exceeded 80%
- Face shields blocked 68% of small particle aerosols (*Small particle aerosols are not thought to be the dominant mode of transmission.*)

Simulation study using recommended 6' distance

- Reduced inhaled virus by 92%

1. <https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/schools.html>

2. <https://jamanetwork.com/journals/jama/fullarticle/2765525>

Face Shield Advantages

- Breathe easily and clearly communicate
- Allows for visible facial expression and lip movements for speech perception
- Comfortable to wear for long periods of time
- Reduce inhalation exposure
- Protect virus entry points (eyes, nose, mouth)
- Protects face from touch
- Optically clear, distortion-free
- Anti-fog coating, keeps your view clear
- Can be cleaned with a soft cloth, soap and water.
- Not made with natural rubber latex
- Full Shield 9" x 13"

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For a quote or to learn more contact:

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<http://www.arlingtonscientific.com/face-shield.html>

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