

# Putting Engineering into Practice

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*in collaboration with CPSC370 and numerous other Chapman undergraduates*



# How do we engage students to solve problems in the moment?

Use the principles of **design thinking** to evaluate problems, identify creative solutions, test, evaluate and bring to scale.

-Shortage of personal protective equipment for frontline healthcare workers.

-Open source designs that can be rapidly turned into reality using 3D printers.

The New York Times

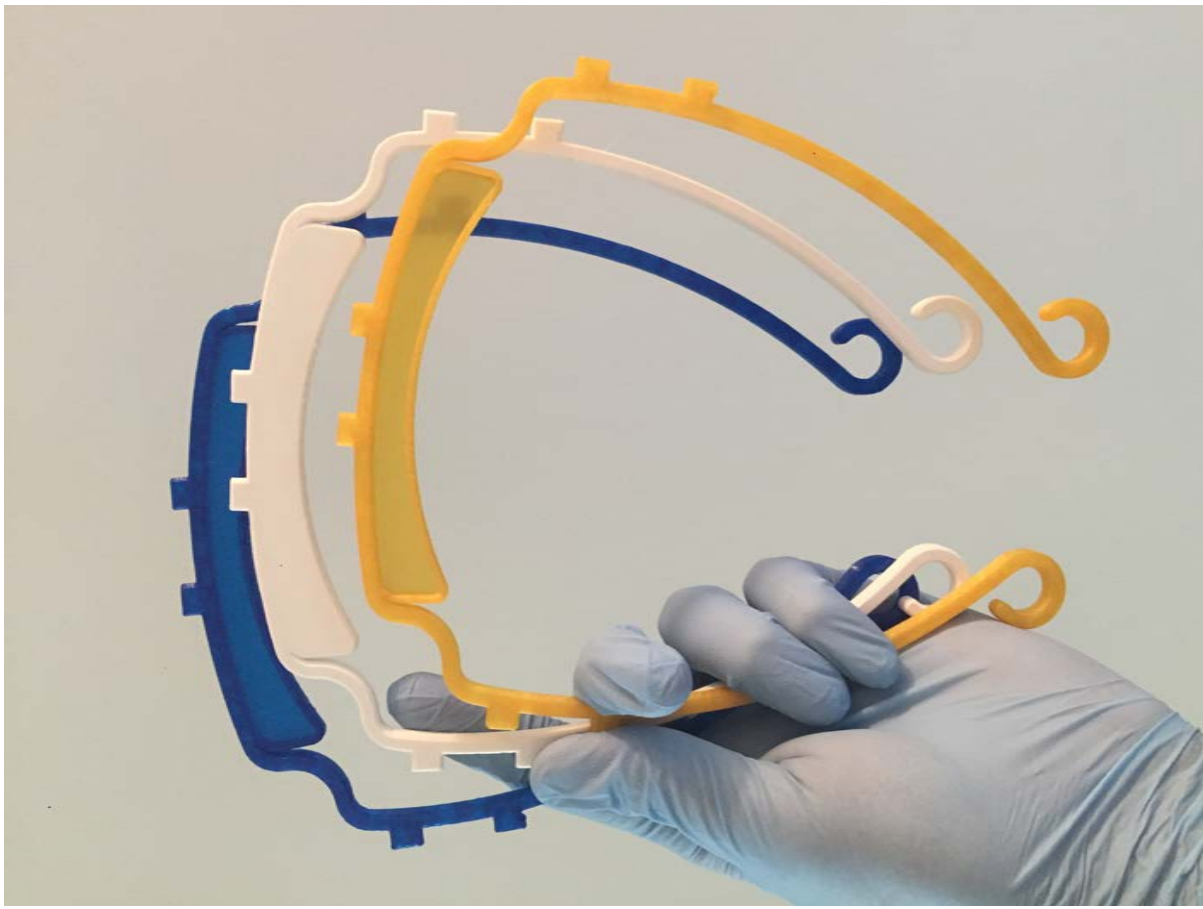
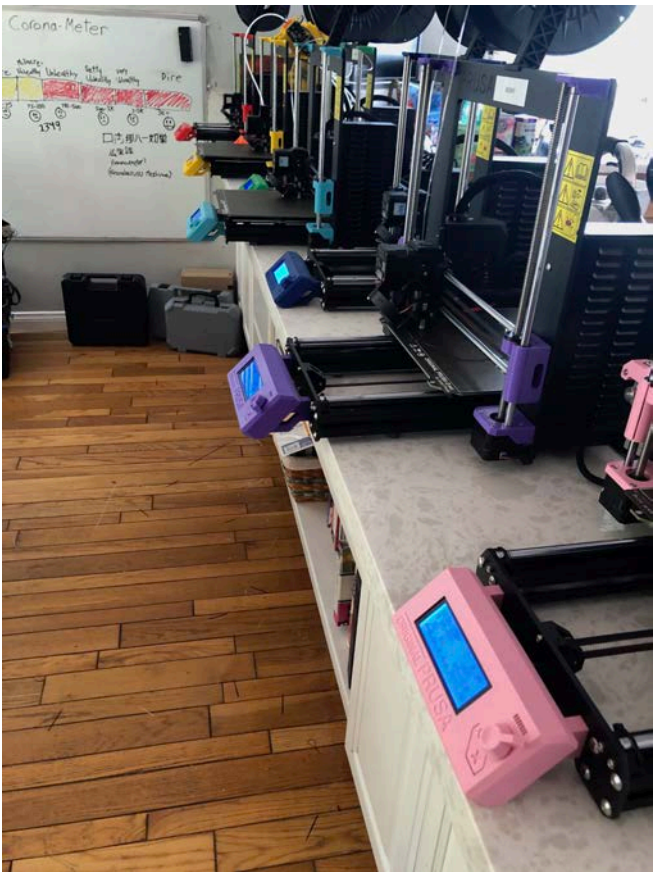
The Coronavirus Outbreak > | [• Latest Updates](#) [Maps and Tracker](#) [Life at Home](#) [How to Help](#) [Newsletter](#)

## *Nurses Battling Coronavirus Beg for Protective Gear and Better Planning*

Health care workers are among the most at risk of contracting the virus, but many say they lack protective gear and protocols to keep themselves and their patients safe.



# 3D Printed Face Shields - Design Vetted by National Institutes of Health



# Faculty and Students Have Provided More Than 4000 Face Shields

