

CHALLENGE 3: DESIGN REUSABLE MASKS

There is an increasing need to find sustain, reusable options for personal protective equipment such as face masks. As so many of us are spending more time at home, people are finding innovative ways to repurpose materials for new uses.

Can you make a safe, effective face mask from materials around your home? what sort of materials are needed to make a face mask? What materials do you have accessible?

GET STARTED:

Design and create a reusable face mask from materials you can find in your house.. You should be able to clean and disinfect it between uses so it can protect the wearer effectively every time. You can use the design steps below to start your thinking

1. RESEARCH EFFECTIVE DESIGNS, MATERIALS AND PRODUCTION METHODS
2. DESIGN YOUR FACE MASK, USING DIAGRAMS, LABELS AND TECHNICAL DRAWINGS
3. PROTOTYPE YOUR PRODUCT TO TEST OUT YOUR DESIGN
4. ADJUST YOUR DESIGN AS NEEDED TO PRODUCE YOUR FINAL FACE MASK

Share images of your effective face mask and a design statement that outlines the materials you have used and features of your mask design with the UOW Makerspace via email (makerspace@uow.edu.au) or using the hashtags #UOWmakerspace #UOWmakerspacechallenges.

SUBMISSION: <https://forms.gle/GWmLzHrMi36MTg5n8>

The winning teams will have their designs shared on UOW Makerspace social media and attend a UOW Makerspace excursion (virtual or face-to-face).

Winning designs will be used in future face mask workshops, with the products gifted to vulnerable members of our community.

ALL ENTRANTS WILL ALSO RECEIVE A CERTIFICATE OF PARTICIPATION FOR THEIR WORK ON THIS COMMUNITY-BASED CHALLENGE

