

# CHALLENGE 2: RECYCLE & REPURPOSE

Due to the nature of the COVID-19 virus, a lot of medical waste is thrown away with issues surrounding the safe recycling and repurposing of these materials.

However, there are ways that this waste can be made safe and/or recycled through various processes, allowing us to reuse the materials in innovative ways.

**GET STARTED:** Research, conceptualise and design a recycling process for disposable masks and how the material could be repurposed into new products.

1. RESEARCH CURRENT RECYCLING PROCESSES FOR MASKS
2. CONSIDER ANY CHANGES, MODIFICATIONS OR UPDATES YOU CAN MAKE
3. DESIGN YOUR OWN PROCESS FOR RECYCLING
4. SUGGEST WAYS TO USE THE NEW RECYCLED MATERIAL

Develop a 'Process and Product Portfolio' which should include your ideas for a process to recycle masks, including diagrams, technical drawings or explanations of how this would look. You should also consider how the product can be used, and suggest what could be made with your new material.

Your portfolio might include diagrams, flow-charts, descriptions and research to help explain your process idea. It can be presented as a digital file, or handwritten depending on your plans.

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



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

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