This infographic presents the first iteration of the Project Clean Access toolkit which seeks to contribute to a safe transition out of lockdown and adaptation to life with coronavirus. Workstreams are either DMF Lab-led or Teaching-led. Teaching-led activities are supported by the DMF lab PCA team. All outputs are categorised below according to the five pillars of Project Clean Access.

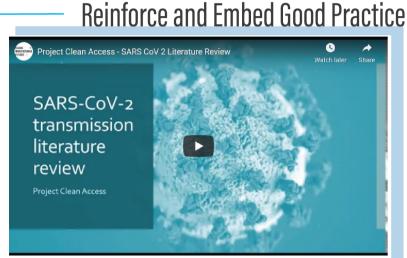
> Text in black indicates DMF-led activities Text in blue indicates teaching led activities

Reducing Contact Points CLEAN KIT CLEAN LIGHT USER 1.2 La Tadeo - Challenge 3 Contact free cash Project Clean Access 1.1 La Tadeo - Challenge 1 Moving safely to and from home 3D Print in 10 minutes Contain contact point within cap Ergonomic opening angle Tool-less and screw fit models Low Profile **1.3 DMF Lab** design and release various 3D printed products

to reduce contact with surfaces and prevent transmission.

2

2.1 DMF Lab Sprint: A review of current literature on different modes of transmission and the success of various interventions summarised into this 3 minute clip!



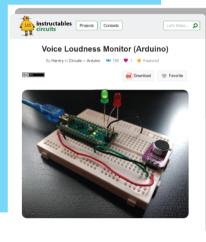
Sars-Cov-2 Literature review

3 Mitigate Airborne Spread

these low cost stickers offer a

simple solution to social distancing.





app to monitor voice volumes in social settings.

3.1 DMF Lab release 'small talk' android

- 3.2 DMF Lab develop and publish an open source loudness monitor to use in commercial and education settings.
- 3.3 Whilst students at **Uniandes** University develop new mask designs for rapid manufacture.

Encourage Physical Distancing

4

FUTURES 4.1 DMF Lab Sprint: Distancing Glasses Brainchild of professor Ben Hicks



5

Make an Enjoyable Experience for all





DMF Lab: Occupancy Counters

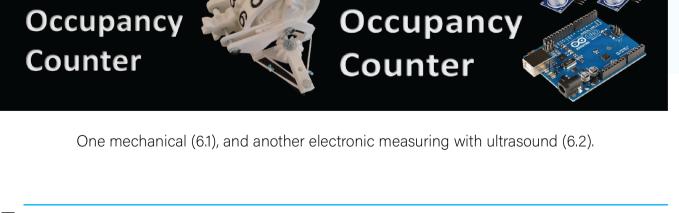
6

Two low-cost, open-source solutions were generated to automatically measure occupancy

Occupancy Counters

in shops and businesses.

Ultrasonic Mechanical



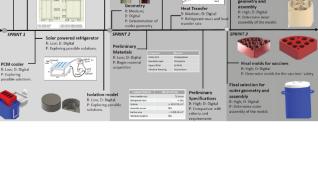
Students at Uniandes are developing low-cost vaccine distribution solutions for rural,

hard to access areas of Colombia.

Vaccination Distribution

Left: Development of a prototype thermoelectric Peltier cooling container by group SolVaCov.





Project Clean Access (PCA) is an initiative from the Design and Manufacturing Futures lab at the University of Bristol, funded by the Royal Academy of Engineering. In addition to the creation of the toolkit, PCA seeks to build community both nationally and around the world. Partners involved in the first iteration included La Universidad de Los Andes and La Universidad de Bogota Jorge Tadeo Lozano both in Colombia. For more information or to get involved with PCA please contact project-clean-access@bristol.ac.uk or one of the team directly.