

# Library Tip Sheet 03/31/2020: 3D Printer-made Masks and Face Shields for High-Risk Health Care Workers

## 1 WHY THIS LIST

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More and more libraries are involved in applying 3D printers to helping the allied health workers with masks, shields, and/or component parts. This list is posted in the interest of sharing what libraries are actively helping produce PPEs using 3D printer technology. The list will be periodically updated and I am posting additions daily on my Linked In page. This list and postings includes names of libraries that I have identified on the Internet, March 25-31, 2020 and by word-of-mouth. Where applicable, it includes the relevant URL.

## 2 WHAT LIBRARIES ARE INVOLVED IN HELPING

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Tennessee Governor Bill Lee announced that eight higher education schools and universities are printing face shields. WTVF Tennessee reported: "The use of 3D printers has become critical to creating face masks for health care workers on the front lines of the COVID-19 outbreak." <https://www.newschannel5.com/news/3d-printers-used-to-create-masks-during-covid-19-outbreak> (March 24 posted)

Schools and universities in Tennessee.... Fayetteville Free Library, Fayetteville, NY is making component parts for masks destined for the VA Hospital in Buffalo.

<https://spectrumlocalnews.com/nys/central-ny/news/2020/03/23/community-creates-masks-for-hospitals-with-3-d-printers>

Los Angeles Public Library, CA: the Library's media lab team is partnered with a local organization and gearing up to print a number of face shields every week now.

Charlotte Mecklenburg Library is contributing to a community-wide effort to bridge the gap in masks.... <https://cmlibrary.org/blog/mask-mask-together>

Birmingham's Baldwin Library is producing face shields...

[https://www.theoaklandpress.com/news/baldwin-library-produces-face-shields-using-3d-printers-during-covid/article\\_6329a29c-72c6-11ea-acbb-13727686e73b.html](https://www.theoaklandpress.com/news/baldwin-library-produces-face-shields-using-3d-printers-during-covid/article_6329a29c-72c6-11ea-acbb-13727686e73b.html)

University of Montevallo. Alabama, the library is working with the Shelby Baptist Medical Center in Alabaster. <https://abc3340.com/news/local/group-from-university-of-montevallo-3d-printing-face-masks-for-hospital>



Amy Vecchione manages a makerspace at Boise State University; she and her team are ramping up now to make 500-1000 face shields.

University of Utah Libraries

<https://library.med.utah.edu/blog/eccles/2020/03/25/university-of-utah-libraries-are-3d-printing-personal-protective-equipment-for-university-hospitals-and-clinics/>

Also, staff members at the U's J. Willard Marriott Library, Spencer S. Eccles Health Sciences Library and Lassonde Entrepreneur Institute are working together to produce and distribute face shields desperately needed in the health care community while facing the COVID-19 pandemic.

<https://lib.utah.edu/services/covid19-3dprinting.php>

Suffolk County Library System and Stony Brook University Partnership In a project coordinated by the Suffolk County Library System (SCLS) and in partnership with Stony Brook University, Suffolk County Libraries have banded together to help create face shields for their hospitals.

<https://patch.com/new-york/threevillage/suffolk-county-libraries-help-create-face-masks-hospitals>

Courtesy Doug Daniels, UCLA Library. See <https://docs.library.ucla.edu/display/LSD/COVID-19+Response%3A+3D+Printing+PPE+Equipment#COVID-19Response:3DPrintingPPEEquipment-Overview>

Columbia University librarians creating 3D-printed protective face shields.

<https://blogs.cul.columbia.edu/spotlights/2020/03/23/columbia-university-librarians-provide-guide-and-design-for-3d-printable-face-shields/>

University of Oklahoma Technology Librarian, His Team Use 3D Printers to Create Masks to Send to Medical Centers <https://www.infodocket.com/2020/03/26/university-of-oklahoma-technology-librarian-his-team-use-3d-printers-to-create-masks-to-send-to-medical-centers/>

NATICK (MASS) – The Morse Institute Library is closed to the public, but two 3D printers whirl away on the second floor, breaking the silence.

<https://www.metrowestdailynews.com/news/20200325/natick-library-others-3d-print-face-shields-to-fight-coronavirus>

CEDAR VALLEY, in northeast IOWA. The Waterloo Public Library, which is shuttered to prevent coronavirus spread, is using its 3D printer to make the plastic visors as part of a crowdsourcing drive in the state to produce more face shields.

[https://wfcourier.com/news/local/cedar-valley-d-printers-help-plug-face-shield-shortage/article\\_c5cf8676-5587-5900-89d2-c981ff59a671.html](https://wfcourier.com/news/local/cedar-valley-d-printers-help-plug-face-shield-shortage/article_c5cf8676-5587-5900-89d2-c981ff59a671.html)