



STEM Career Exploration Lab 2023

3D Printing and Astronomy Camp



Calling all High School Students and Graduating Seniors!
Thinking about planning your education and career journey?
Interested in Science, Technology, Engineering, and Mathematics (STEM)?

Join a research study to help improve STEM for students with visual impairments



Funded by the National Science Foundation

Principal Investigator Dr. Thomas Madura of San José State University



As part of this study, use tactile models, sound, and hands-on activities designed for the visually impaired to:

- *Build a 3D printer and make objects using 3D printers*
- *Learn about the universe from actual scientists*
- *Hear the Sun and use sound to understand light and waves*
- *Build a constellation in 3D and trace the life cycles of stars*
- *Discover the shape and structure of star clusters and galaxies*
- *Learn about the Big Bang and the structure of the universe*



Meet and talk to STEM professionals with blindness/visual impairments like:

- *Kenneth Silberman of NASA, an Engineer, Programmer, and Patent Attorney*
- *Nicolas Bonne, an Astronomer and Project Lead for the [Tactile Universe](#)*

Go on free field trips to local museums and STEM businesses!

Room and Board available for participating students with visual impairments*

Twenty-four hour safety and supervision: camp assistants, social activities, and new friendships

**Only for students with visual impairments*



Limited to the first twenty applicants!
Sighted students also welcome!

When: July 31st through August 4th 2023
Where: The Maryland School for the Blind
3501 Taylor Avenue, Nottingham, MD 21236



Questions? Call or text Corita Stull @443-461-5283; OR email coritas@mdschblind.org
For Parental Consent Forms, Details, and to Register Visit:

https://sjsu.qualtrics.com/jfe/form/SV_e9idPoolE587702