STEM Career Exploration Lab 2024

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](mailto:thomas.madura@sjsu.edu) 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***
* ***Learn about Moon phases and the inside of the Sun***
* ***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***

Complete surveys and interviews about your experience to help us improve the activities

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**](https://tactileuniverse.org/)

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

Room and Board 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!

When: June 24th through 28th 2024

Where: University of Connecticut

For Parental Consent Forms, Details, and to Register Visit:

**https://sjsu.qualtrics.com/jfe/form/SV\_e9idPooLE587702**