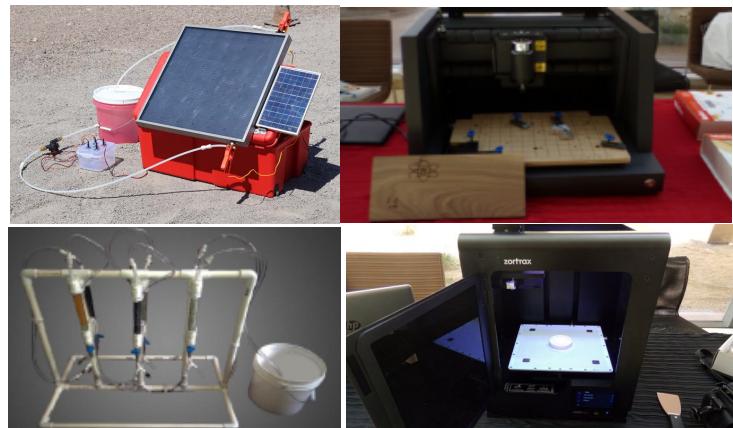


# Tech Trekker: Mobile STEM Lab



*Our primary mission* is to increase student exposure to and engagement in modern science and engineering tools in order to encourage students into high-demand STEM fields. We will accomplish this by bringing technology and standards-based science and engineering lessons directly to teachers' classrooms via the Tech Trekker Mobile STEM Lab.

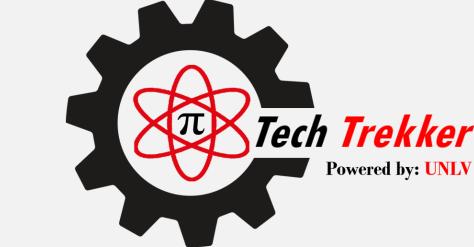
Interested in bringing Tech Trekker to your classroom(s)?  
Follow these steps!

- Look at the equipment and lesson plans available on our website.
- Fill out the Interest Form. You can find this under "Forms and Documents" on the homepage.
- Tech Trekker staff will respond and gather additional information, if needed.
- Get principal permission.
- Communicate with Tech Trekker staff to schedule the visit.

Beginning March 1, the "Tech Trekker" will be available throughout the school year.

Visit <http://techtrekker.egr.unlv.edu> or email [techtrekker@unlv.edu](mailto:techtrekker@unlv.edu).

Sponsored by:



*On the move... Bringing technology into classrooms*

What does the Tech Trekker offer?

- NGSS-aligned units for 3 items
  - 4<sup>th</sup> grade: Solar-powered Fan & Light kit (works great as an addition to the FOSS electricity unit)
  - 6<sup>th</sup> grade: Water Filtration system
  - 10-12<sup>th</sup> grade: Solar Thermal Water Heater (Human Sustainability lesson for Geoscience)
- Manufacturing equipment – could be used with engineering design projects
  - Mini-milling machine
  - 3-D printer
- Spectrophotometer – could be used for chemistry and biology lessons
- Off-grid solar energy system – energy generation from photovoltaic panel and battery storage