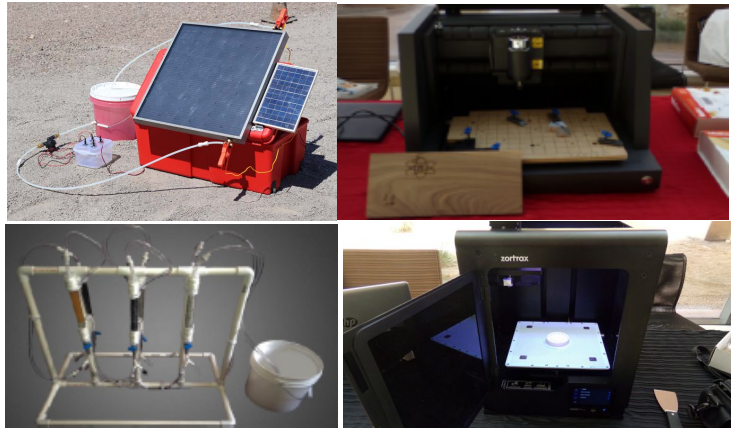


Tech Trekker: Mobile STEM Lab



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.



On the move.... Bringing technology into classrooms

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.

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What does the Tech Trekker offer?

- NGSS-aligned units for 3 items
 - 4th grade: Solar-powered Fan & Light kit (works great as an addition to the FOSS electricity unit)
 - 6th grade: Water Filtration system
 - 10-12th 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