



Makerspace and STEM - Creating in the Classroom- Kelli

Math and STEM: Math is the challenge.
Tech is the easy one.

Getting the stuff is the entry point.
Community donations, service projects

District innovation lab, how to keep it going?
PTA, STEM Action Center, 100% for Kids, Toshiba America

Make a Boutique of 3D printed things to sell, teachers and students can order prints, Murray is making \$200/month on the "store." Print of the month.

Get the talented and gifted kids involved.
Curiosity class in Nebo, genius hour, wide variety of student projects
Resupply budget in part of the class.
Storage and location issues.

Grades: Are you working on your project? Are you failing enough? Show the portfolio of progress on their graded website.

Project ideas:
Shark tank proposal

How is this tied to curriculum?
Tying making to specific topics in math. Make it real world and relevant.
Design thinking process:
Empathize: research your users' needs.
Define: state your users' needs and problems.
Ideate: challenge assumptions and create ideas.
Prototype: start to create solutions.
Test: try your solutions out.

Everyone is a STEM teacher. Providing opportunities for students apply learning in the real world by making small shifts in their classroom process. Can the project reach into the community? It need not be big and require a lot of supplies. Paradigm shift into application.

STEM lending library in some districts. UVU and county libraries have create labs or makerspaces. Some for checkout.
Chomp saws

Edcamp UT 2025

Session 2D Notes - 10:15 am

UVU Makercon on October 10th.

How to assess making projects?

Connect to learning goal.

Have kids help develop rubrics tied to learning target and standards

Try a breaker space.

