

TEACHERS' LOUNGE

Science Experiment Learning Lab

Teachers Only * Genius Room - 1st Fl./West * All Day/Come-&-Go Format



This come-and-go session gives teachers the opportunity to experience and learn five easily replicated fun and engaging hands-on STEM activities that explore biology, chemistry, botany, electrical engineering, plus environmental & physical science. The activities can be leveled for a large age range and are aligned to Oklahoma Academic Standards.

Teachers who turn in their event surveys at the end of the day will receive a take-home kit that includes activity sheets, materials, and curriculum for all five activities! Surveys must be turned in between 2:00-2:30 p.m. the day of the conference at the check-in table in the lobby to receive the materials.

Learn these Activities for Your Classroom:

Discover Hidden Prints

Build a device that will create a three-dimensional image or video that appears to be in midair.

Hologram Pyramid Projector

Use iodine fuming to reveal latent fingerprints on porous surfaces. This turn of the 20th Century forensic technique is still widely used today.

Build Your Own Speaker

Explore the inner workings of a speaker by constructing one from copper wire and neodymium magnets.

Electrolyte Challenge

Create a circuit tester and use it to compare the electrolyte levels in sports drinks and other liquids.

Dendrochronology and Climate

Analyze tree rings to draw conclusions about climate, pest infestations, and environmental disturbances.

Light refreshments are available to teachers in the Lounge Session throughout the day.