



WOMEN IN SCIENCE CONFERENCE

TEACHERS' LOUNGE: STEM LEARNING LAB



Teachers Only * Flight Deck, 1st Floor/Aviation Area * All Day/Come-&-Go Format
Light refreshments are available to teachers in the Lounge throughout the day

This come-and-go session gives teachers the opportunity to experience and learn four easily replicated fun and engaging hands-on STEM activities. The activities can be leveled for a large age range and are aligned to Oklahoma Academic Standards. Also learn about computer science curriculum from Code.org!

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 four 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 (along with another fun gift).

STEM Activities & Opportunities for Your Classroom

Code.org Computer Science Curriculum

Code.org offers completely free computer science curriculum to all Oklahoma teachers that meets state CS standards. Learn how you can integrate computer science into your classroom and meet the requirements of Senate Bill 252, which requires OK public schools to offer CS to all students by the 2024-2025 school year.

Composting 101: Project-Based Learning

Composting in the classroom is a low-cost endeavor that is rich in science and relevant to today's recycling efforts. Learn how you and your students can implement your own compost bin project and begin exploring chemical, mechanical and biological breakdowns of organic matter first-hand!

Organic Architecture

Organic architecture is a design process that focuses on natural surroundings and sustainability. The concept was coined and made famous by Frank Lloyd Wright. Learn about the design's ecological benefits and take on a challenge to build your own structure while being respectful of the natural environment that already exists.

Permeable Pavement

Roads and sidewalks are generally made with impervious materials, which means water cannot pass through them. This causes runoff to pick up pollutants off the surfaces and deliver them to main water sources which causes a negative impact on the ecosystem. Explore different materials to develop a more porous cement.

Solar Heated Water

Design and build a solar hot water heater and see how little changes can impact big swings in temperature. Evaluate, design and redesign to efficiently increase temperature and learn how it can have real-world benefits.