



GET HANDS-ON Science Teaching TIPS & TOOLS

This come-and-go session provides teachers with the opportunity to experience and learn six fun, engaging, hands-on science projects that can be leveled for a large age range and easily replicated in the classroom. Activities are aligned to the 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 of the presented activities plus others! Surveys must be turned in from 2:00-2:30 p.m. at the EPSCoR table in the north lobby.

Experience These Fun Science Projects First-Hand & Learn How to Implement Them in Your Classroom:

- **Chopper Challenge**

Center of gravity and weight distribution are explored in this aerodynamic problem-solving challenge. Can you build a helicopter that flies at least ten feet in the air and stays up for five seconds while carrying one penny?

- **Cityscape Engineering & Design: Building Magnate**

Using assorted unusual cardboard shapes, build a structure limited only by your imagination. This engineering and design challenge will test whether you can build the biggest, longest, or tallest structure.

- **Creating Weather**

Create weather in a bottle by discovering which ingredients are necessary for the formation of clouds.

- **Electromagnet & Tiny Dancers**

Harness the power of the force (magnetic force, that is!) in this engineering and electricity challenge. Use a battery to make an ordinary nail magnetic. Then combine magnets and a battery to create motion in a wire sculpture you design.

- **Hack-Proof a Box**

Explore circuits in a unique and engaging way in this design challenge. Design a warning system for a box that includes an alarm that activates when the box is opened, but also has an alternate way for you to get inside undetected.

- **M&M Weather Versus Climate**

In this engaging hands-on investigation, we will explore the integral connection between time and atmospheric changes to discover the difference between climate and weather.

The Teachers' Lounge Session is sponsored and presented by Science Museum Oklahoma and the Oklahoma Museum Network.

ALSO IN THE TEACHERS' LOUNGE:

National Science Teachers Association - NSTA

K20 Center - Authentic Research Experiences for Teachers Summer Program Information

Adults are invited to visit the Teachers' Lounge Session during their scheduled time period.

The session is a come-and-go informal format. See your group's designated agenda for your scheduled Teachers' Lounge Session.