University and Industry Unite

Tapping the resources of both Colorado State University Extension and leading local and national agricultural businesses, we will provide your students a unique view of the practical uses of the science, engineering, technology and mathematics that you teach every day.

Exploring the Science of Food Production

For 5th and 6th grade students: an exciting hands-on journey into the science behind agriculture.

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The Plan

Because we know that in these tough economic times it is often difficult to get approval for field trips, AgFest is coming to a community near you.

By placing AgFest locations near your school, you will be in a better position to get this activity approved for your classes.

Tentative locations for the 2010 AgFest are:
- April 19 - Brush (Morgan County Fairgrounds)
- April 21 - Seibert (Community Building)
- April 22 - Lamar (Sand & Sage Fairgrounds)

At each location we will have a teacher resource center where you can pick up lesson plans and classroom activities to use with your students when you get back to the classroom.

These resources will relate to appropriate state educational standards. We will also have ten, 15-minute interactive stations which your students are sure to enjoy. These stations will teach a particular aspect of the production of livestock and crops such as range science, embryology, germination, bio-fuels, biosecurity, ecology, technology and weights & measures.

Each station will relate to an agricultural topic, with the emphasis of the station the underlying science, mathematics, physics, technology or engineering principals that makes that particular aspect of agriculture productive.

STEM
Science, Technology, Engineering & Mathematics

As the outreach arm of Colorado’s land grant university, Colorado State University Extension and the 4-H Youth Development program have a vested interest in developing the potential of our youth. With only 18 percent of U.S. high school seniors proficient in science, we must act now to prepare the next generation of science, engineering, and technology leaders.

The opportunity to truly transform a field of science happens, at best, once a generation.

-Tom Vilsack, U.S. Secretary of Agriculture
October 2009