# Going the Extra Degree Produces STEAM

Tennessee Foundation for Agriculture in the Classroom

Jennifer Bates

This session will highlight samples of exemplary work that connects STEAM to all parts of the curriculum, using the backdrop of a school garden. Community collaboration will be highlighted and discussed. Each of the activities presented will provoke thinking and problem solving. Several inquiry-based lessons will be shared and linked to an educational standard. This session will raise one's enthusiasm and show how a school garden will enhance the STEAM focus at any school. The many partnerships and resources that will be discussed will be applicable to any size school or district.



Develops a bond between the community and the school





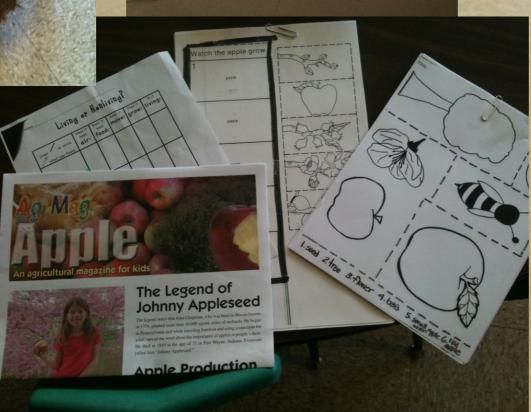




High School Readers

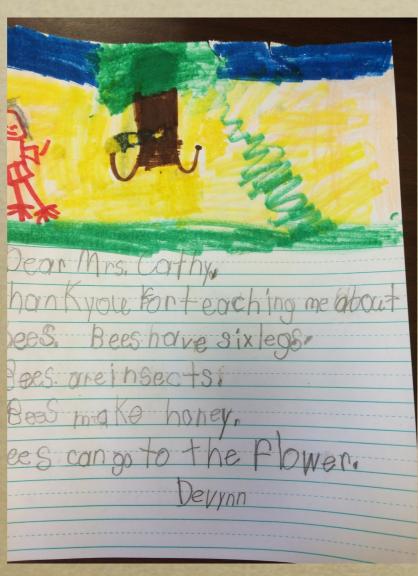


Apples









Bees
A local Bee Keeper,
Guest Speaker







Chris Allen, Meteorologist

Kelly Cox, Meteorologist



Encourages the student to try new things and change his/her schema







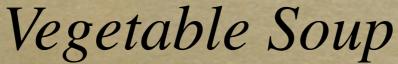


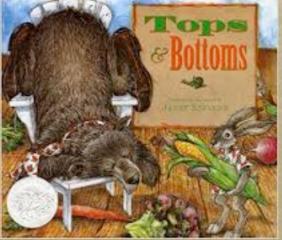


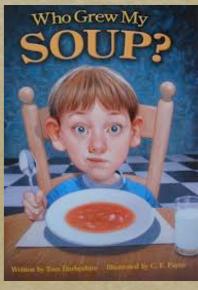
Pancakes/Muffins







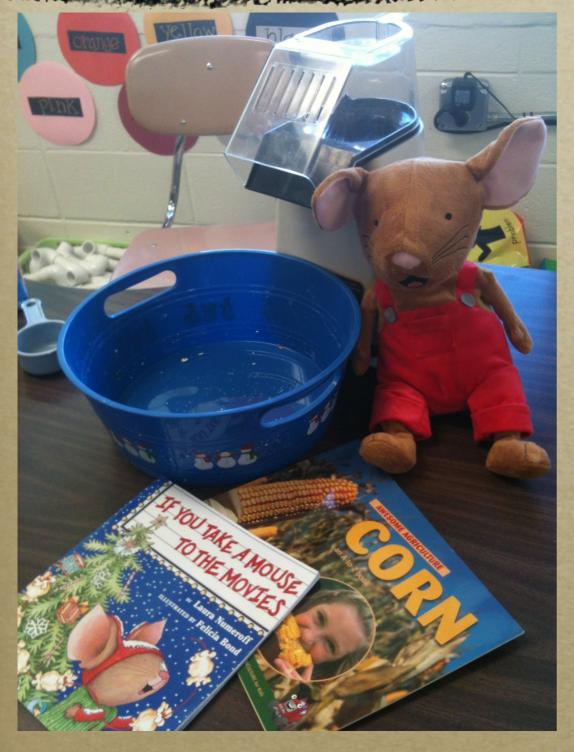




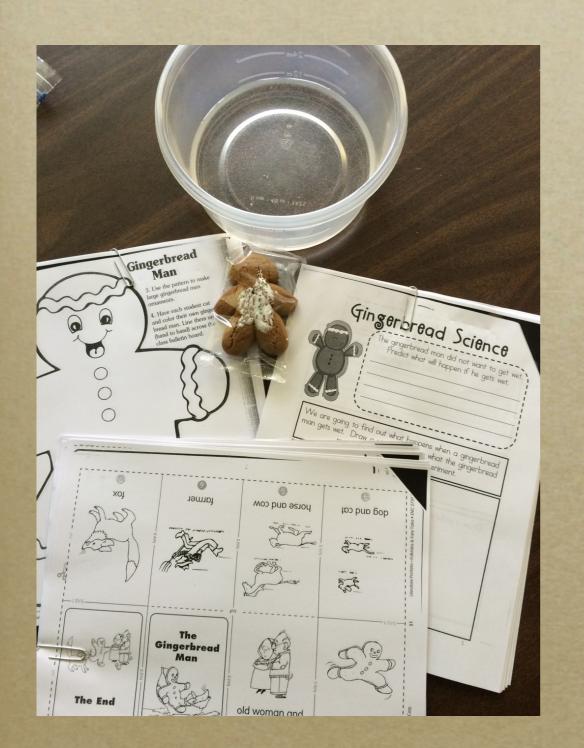




Cooking with Corn







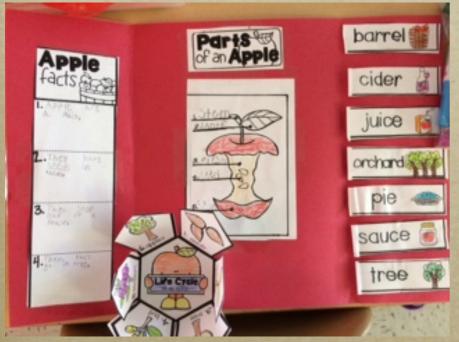
Gingerbread Experiment





100 Circle Farms

Potatoes
into
fries

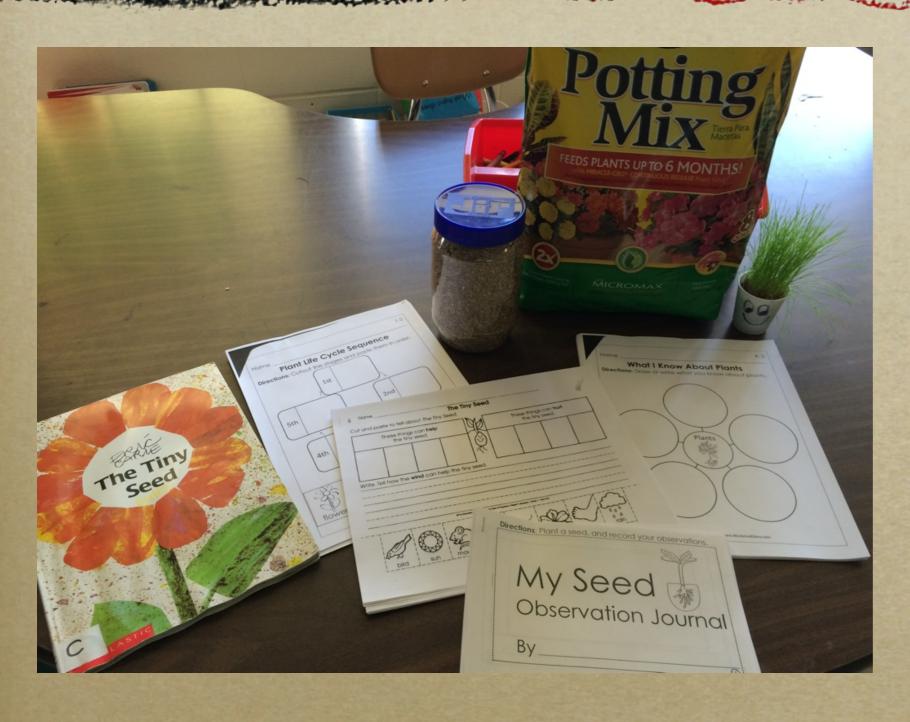








Apple Experiments

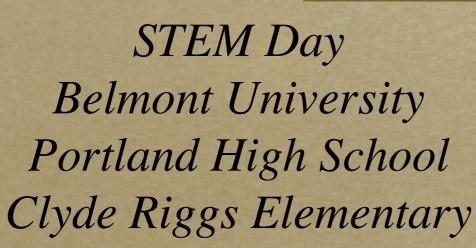


Develops
questioning and
investigating



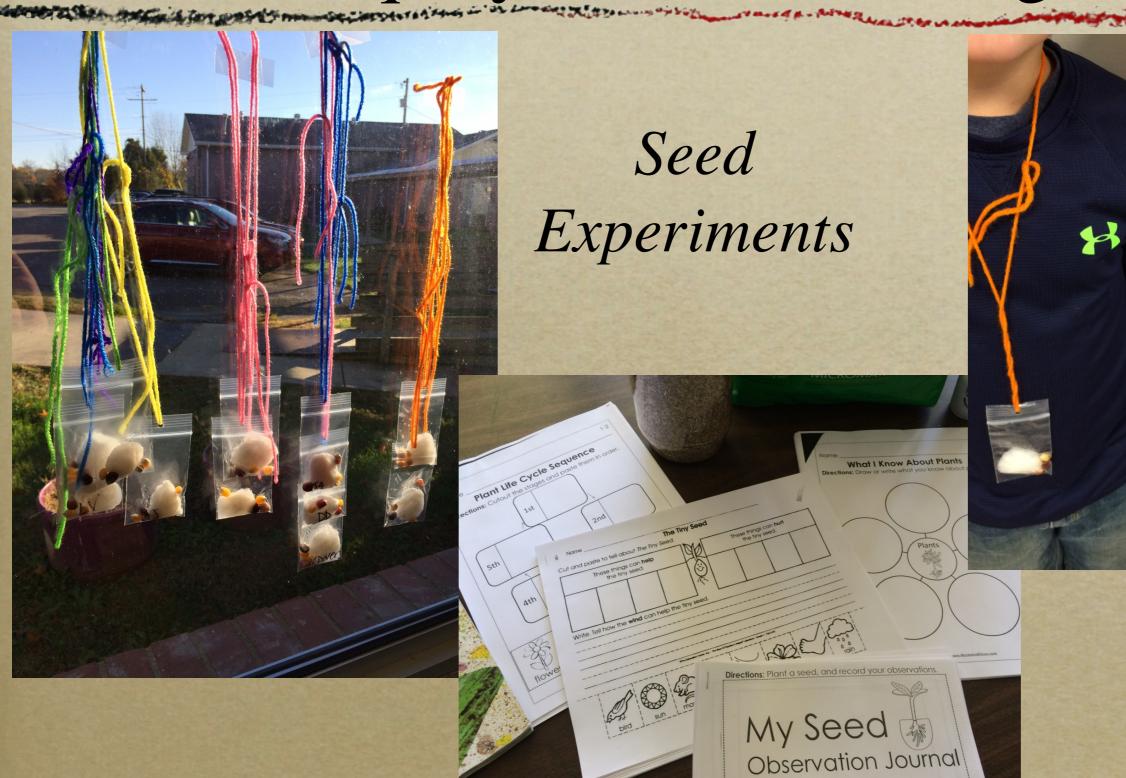












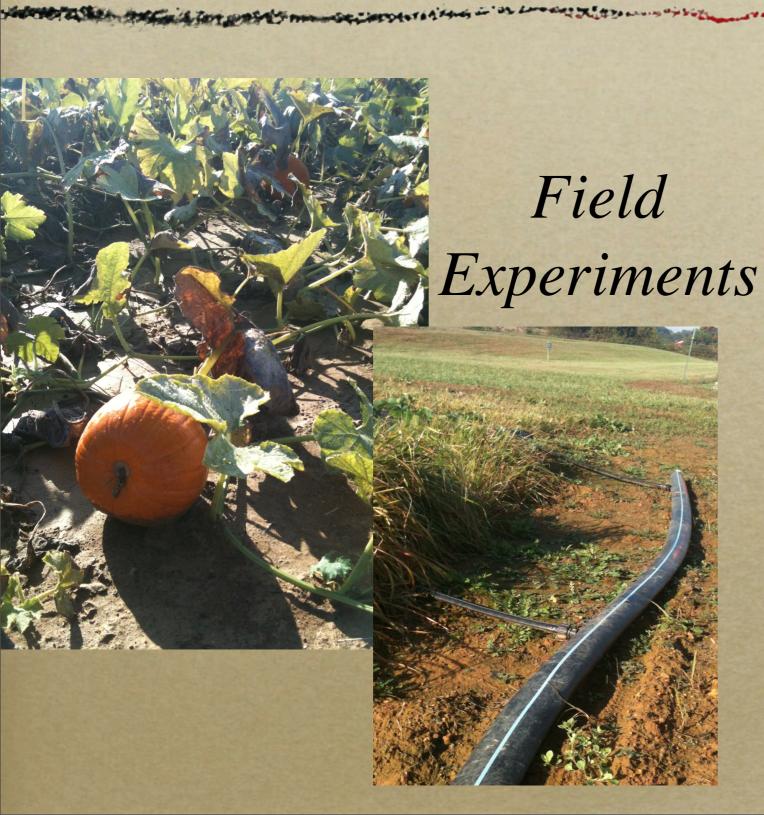


























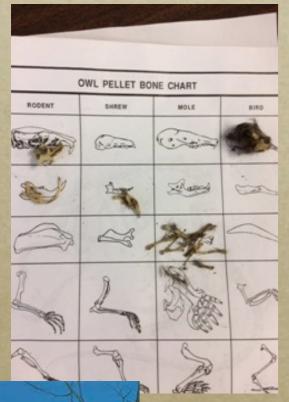
Nursery

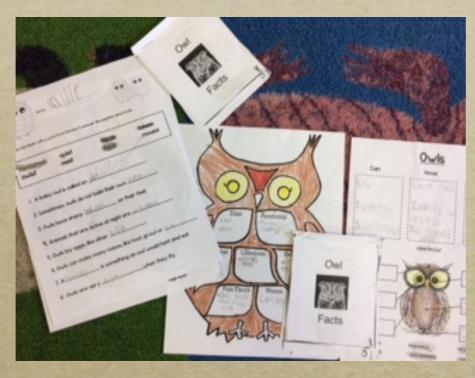


#### Ag Simulator

Cotton
Hay/Forage
Corn
Wheat/Grains
Timber

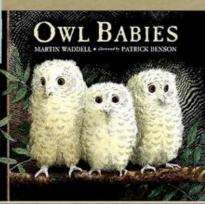


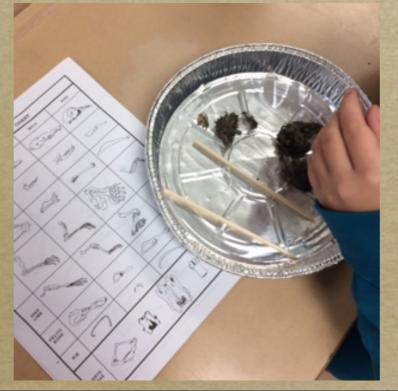








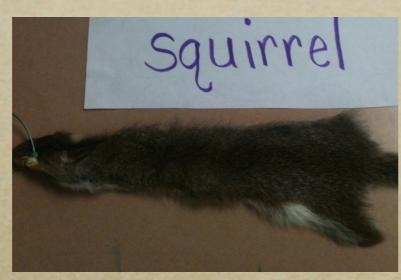




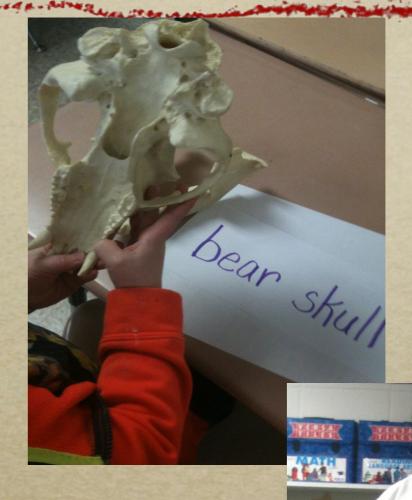


Owl Pellets









UT Extension Agent



Develops
the connection
between
'seed and supper'





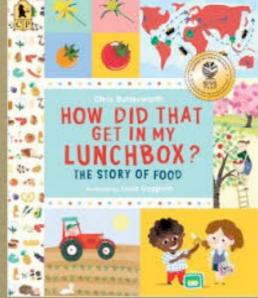


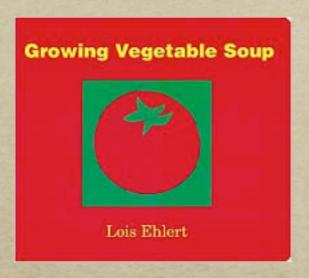


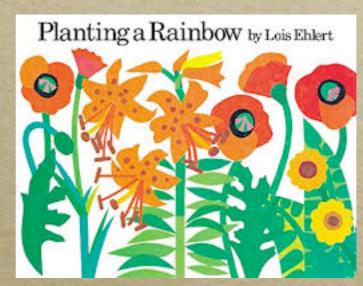
Garden Club



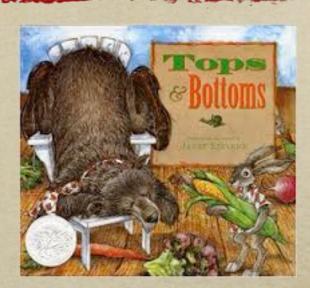
Ag Literacy

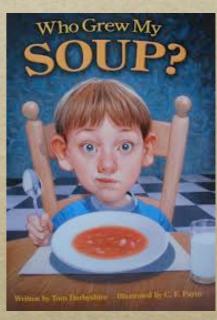




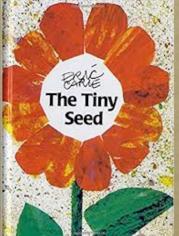








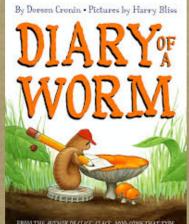


















Local Nursery





Pizza Garden-High School Greenhouse







Tennessee Garden





First Graders and High School Art Students





Tennessee Symbols and Native Plants





