Secondary Activity Summary

Suggested Order:	Activity Summary:	Pacing Estimate:	Standards Addressed:
The History of Bioenergy	Students will recognize the sources of bioenergy and be able to explain the evolution of bioenergy over time.	1- 50 minute class period	Oklahoma Science:
Modeling Life Stages	Students will learn about the life cycle of a soybean plant and exhibit their knowledge through the creation of Interlocking Brick models of each life stage.	1- 50 minute class period	Oklahoma Science: • 8.LS1.5 • 8.LS3.2
AeroGarden Growth Lesson	Students will utilize the scientific method to design an experiment using an AeroGarden® to grow soybeans and keep accurate data and records.	3 - 50 minute class periods In addition, students will observe and take notes over the duration of soybean growth (small increments over a couple of months)	Oklahoma Science:
Brick Genetics	Students will learn about inherited traits, calculate genotypes and phenotypes of soybean plants, and create models using interlocking bricks to exhibit their knowledge.	2 - 50 minute class periods	Oklahoma Science:

			Oklahoma Math:
Soybean Smash	Students will learn about the nutrient content of a soybean and how we utilize these products in society through an activity called: Soybean Smash.	1- 50 minute class period	Oklahoma Science: • 7.PS1.2 • 7.PS1.3



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