## **Elementary Bioenergy 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:
Soybean Flowers	Students will learn about the process of plant reproduction, including pollination, by creating models of soybean flowers.	1 - 50 minute class period	OklahomaScience:
AeroGarden Lesson	Students will grow soybeans using an AeroGarden® and keep accurate data and records related to the stages of soybean growth.	1 - 50 minute class period In addition, students will observe and take notes over the duration of soybean growth (small increments over a couple of months)	Oklahoma Science:  PK.S.3 N  K.LS1.1  K.ESS3.1  S.LS1.1  Oklahoma English: Critical Reading and Writing: K.3.W  1.3.W.2

,	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:  • 2.PS1.1  • 2.PS1.2
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