



4th Grade Offerings:

- **Cotton Production**

- Students will understand how cotton is grown, processed, and practice processing cotton lint and seed from real cotton bolls!

- **Soil and play-doh core samples**

- This lesson is a fun, interactive way to teach students about the different layers of the soil profile and introduce important concepts related to soil conservation, particularly erosion.

- **Dancing Popcorn**

- Students will conduct a vinegar-and-baking soda reaction with popcorn kernels to explore chemical reactions, density, buoyancy, and the scientific method. This hands-on activity inspires curiosity as the kernels dance—rising and sinking in water—while sparking discussion on why different items behave differently in mixtures like this.

- **Tassel to Table**

- Students will learn about the path corn takes from the field into food products we use every day. This lesson explores careers throughout the process, as well supply issues that can affect the food supply chain.

- **Investigate Illinois**

- Illinois is known for famous figures like Abraham Lincoln and features like expansive fields of corn. However, Illinois is home to many lesser known but equally interesting features as well. In this lesson, students will investigate Illinois agriculture, famous people, historical tidbits, and sites.

- **Agriculture Measures Up**

- Students will need to use problem-solving methods and everyday math to make a common decision of how much fertilizer to purchase to nourish their lawn. By calculating the area of the lot, driveway, patio, house and garage, each student will determine the number of bags of fertilizer needed to cover only the space left for grass.

- **Plant Parts Logic Puzzle**

- Students identify the functions of roots, stems, leaves, flowers, fruits, and seeds by solving a logic puzzle, strengthening plant science knowledge and critical thinking.

