**Iowa in a Bag**

**Grade Level(s)**

1st-2nd

**Estimated Time**

30 minutes

**Purpose**

Students will be introduced to the word agriculture and will begin to understand what plants and animals are raised here in Iowa for our food, fiber and fuel.

**Materials**

* Kit supplies (if you don’t have a classroom kit, feel free to gather your own Iowa charms or watch our Iowa in a bag video)
	+ Small jewelry bag
	+ Yellow bead- sun
	+ Blue bead- water
	+ Green bead- plant
	+ Brown bead or pom pop- livestock
	+ Corn
	+ Soybean
	+ Soil or coffee grounds
	+ Small Iowa in a bag label
* Iowa in a Bag video link <https://www.youtube.com/watch?v=Zr4ebrhSukY>
* Intro activity PDF available on website <https://www.linncoag.com/september>
* Iowa Farm Charm worksheets available on website <https://www.linncoag.com/september>
* Livestock worksheet available on website <https://www.linncoag.com/september>

**Links:**

Website with worksheets: <https://www.linncoag.com/september>

Iowa in a Bag video link <https://www.youtube.com/watch?v=Zr4ebrhSukY>

**Vocabulary**

**Agriculture:** **science, art, or practice of cultivating the soil, producing crops, and raising livestock (farm animals).**

**Livestock:** animals raised on farms for products, food and fiber.

**Crops:** plants grown for food.

**Interest Approach – Engagement**

Intro activity: Agriculture riddles available to download

**Background - Agricultural Connections**

Iowa ranks in the top five for many agriculture commodities including corn, soybeans, pigs, eggs, and beef. Students will be introduced to the word agriculture through this fun and hands-on farm charm lesson. Students will learn about the crops and animals raised in Iowa for our food, fiber and fuel.

**Procedures**

1. Ask: “what is agriculture?”
	* 1. What might you find on a farm? Livestock are animals found on a farm and crops are plants grown for food.
		2. What are some examples of animals and crops found in Iowa?
		3. Review the livestock handout if time
2. Create Farm Charm (ask students to place each charm into their Ziploc bag)
	* Small jewelry bag
	* Yellow bead- sun
	* Blue bead- water
	* Green bead- plant
	* Brown bead or pom pop- livestock
	* Corn
	* Soybean
	* Soil or coffee grounds
	* Small Iowa in a bag label
3. Ask the students to complete their Iowa Farm Charm packet individually or as a class
4. Review

**Organization Affiliation**

Siouxland Ag in the Classroom

**Agriculture Literacy Outcomes**

 T1.K-2.c Identify natural resources

T2.K-2.a Explain how farmers/ranchers work with the lifecycle of plants and animals to harvest a crop.

T2.K-2.e Identify the importance of natural resources in farming

**Iowa/ Common Core** **Standards**

2-LS2-1 Plan and conduct and investigation to determine if plants need sunlight and water to grow

2-LS4-1 Make observations of plants and animals to compare the diversity of life in different habitats.