



Social Studies



Science

# AG-VENTURE WITH PUMPKINS

Use the IAITC Pumpkin Ag Mag to help you work through this worksheet!

Some Native American nations developed a way to grow pumpkins call the "Three Sisters." In your own words, explain the benefits of this growing technique.

Use the data given in the Ag Mag to create a bar graph!

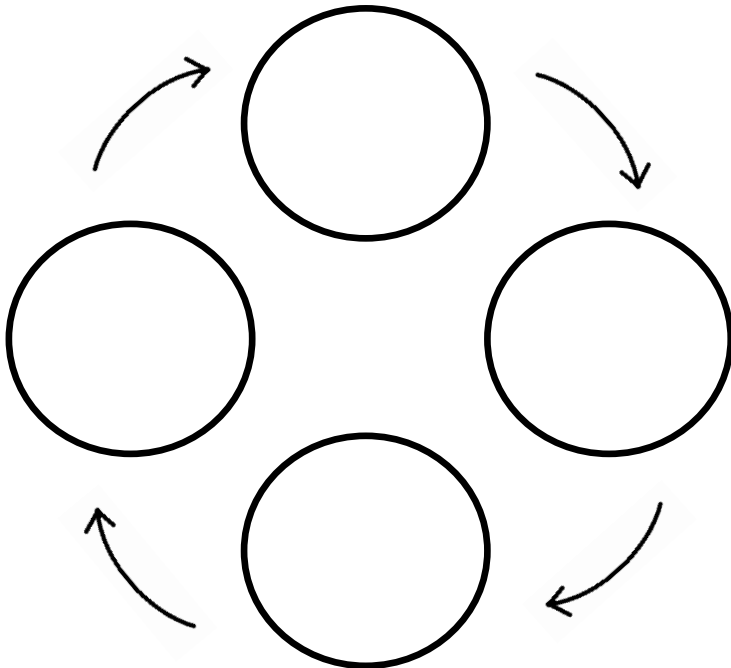
Y-Axis: \_\_\_\_\_

X-Axis: \_\_\_\_\_

Top 5 IL Counties for Pumpkin Harvest, 2012



Draw and label the 4 stages in the pumpkin life cycle!



Using the data below, calculate the differences of yield between each year. Make sure to include the measurement in your answer!

Yield	37,000	2017
Measured in	47,000	2018
Pounds/Acre	38,500	2019

2017-2018: \_\_\_\_\_

2018-2019: \_\_\_\_\_

# TEACHER RESOURCES

## ANSWER KEY

The Native Americans developed a way to grow pumpkins call the "Three Sisters." In your own words, explain the benefits of this growing technique.

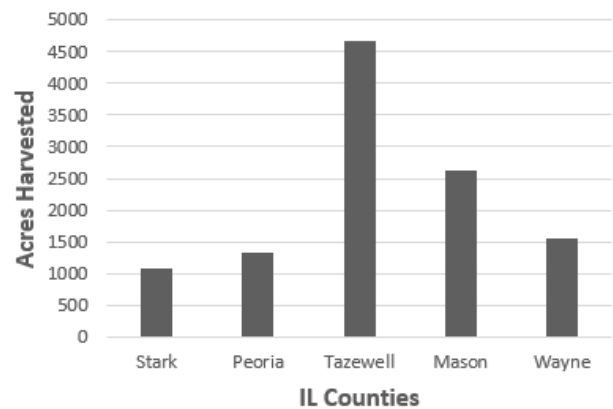
*Answers should focus on how Native Americans grew corn, beans, and pumpkins together because each crop helps the other crop grow. The beans leave nutrients in the soil that are beneficial to corn growth. The pumpkins cover the ground and protect the soil, keeping it moist and decreased weed growth. The corn has sturdy stalks that helped the bean plants grow.*

Use the data given in the Ag Mag to create a bar graph!

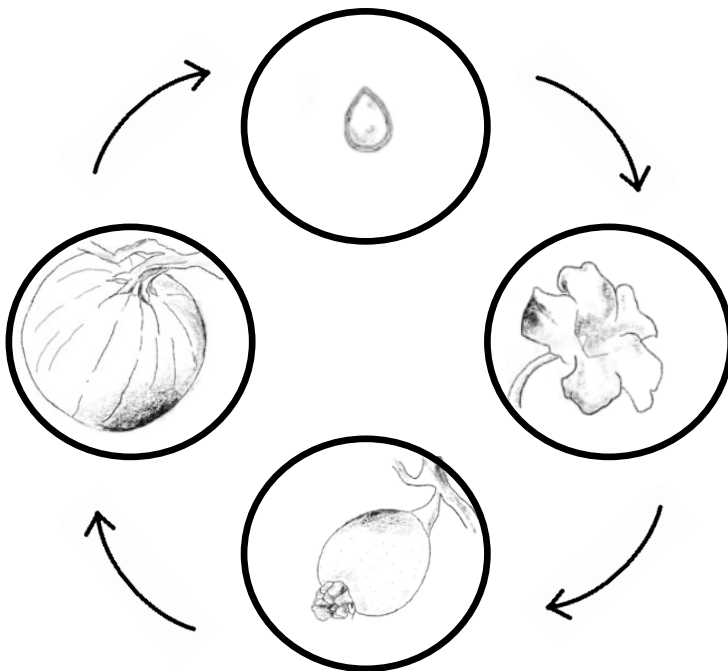
Y-Axis: Acres Harvested

X-Axis: IL Counties

Top 5 IL Counties for Pumpkin Harvest, 2012



Draw and label the 4 stages in the pumpkin life cycle!



Using the data below, calculate the differences of yield between each year. Make sure to include the measurement in your answer!

Yield Measured in Pounds/Acre	2017	2018	2019
	37,000	47,000	38,500

$$47,000 - 37,000 = 10,000$$

$$47,000 - 38,500 = 8,500$$

$$2017-2018: \underline{10,000 \text{ pounds/acre}}$$

$$2018-2019: \underline{8,500 \text{ pounds/acre}}$$