



INS AND OUTS

Grade Level

K-6

Length of Lesson

30 minutes

Objective

By the end of this lesson, students will have a better understanding of plant parts, and which parts of plants we eat.

Materials Needed

- Scissors
- Glue or tape
- Copies of Ins and Outs cards

Standards

NGSS

1-LS3-1; 2-LS4-1; 3-LS3-1

Lesson Summary

This lesson is a fun, hands-on activity designed to help students recognize the differences in physical appearance between the plant, the outside of the fruit or vegetable, and the inside of the fruit or vegetable.

Suggested Sequence of Events:

1. Set Up: Print and cut enough copies of the cards so that each student or group has one complete set. Mix each set up and place each mixed set in bags or containers for easy distribution. Laminate for multiple uses.
2. Read through the IAITC Seasons Ag Mag to learn more about the different specialty crop grown here in Illinois.
3. Complete the activity following the procedures:
 - We might know the name of what fruit or vegetable we're eating, but do we know what the plant looks like that it comes from? What about the inside of that fruit or vegetable?
 - Have students work individually or with a partner.
 - Hand out a complete set of pre-cut and mixed cards to each student or pair.
 - Have students try to match the four plant cards together. For each fruit or vegetable, there will be one card that shows the common name, a second card that shows the plant, a third card that shows the fruit/vegetable, and fourth card that shows the inside of that fruit/vegetable.
4. Whole class discussion and reflection of activity.

TEACHER RESOURCES

Extension Ideas:

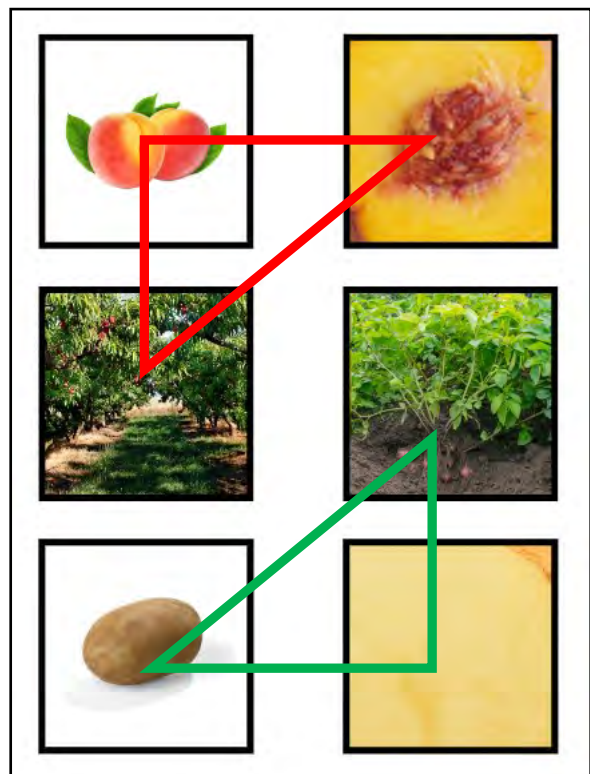
- Show a diagram of a plant and talk about all the different parts. Compare different plants to see that various plants have the same parts, but are unique to those individual plants.
- Talk about their favorite fruits and vegetables. Where are those crops grown? Are any of them grown in Illinois? Which state produces the most of those various crops?
- Invite a local specialty crop farmer who grows vegetables into your classroom to talk about growing food.
- Learn about locally grown foods and farmers markets. Challenge students to complete the AITC Farmers Market Scavenger Hunt worksheet.
 - What other commodities besides fruits and vegetables can be found at a farmers market?
- Learn more about gardening and grow vegetables or flowers in your classroom.
- Have students design their own garden. What would the dimensions be? What would they plant in their gardens?
- Learn more about pollinators and their role in agriculture.
- Go to agintheclassroom.org to contact your County Literacy Coordinator for free classroom sets of our Ag Mags!

ANSWER KEY

Each sheet has six images. The top two images and the middle-left image will all go together. The middle-right image and the bottom two images go together.

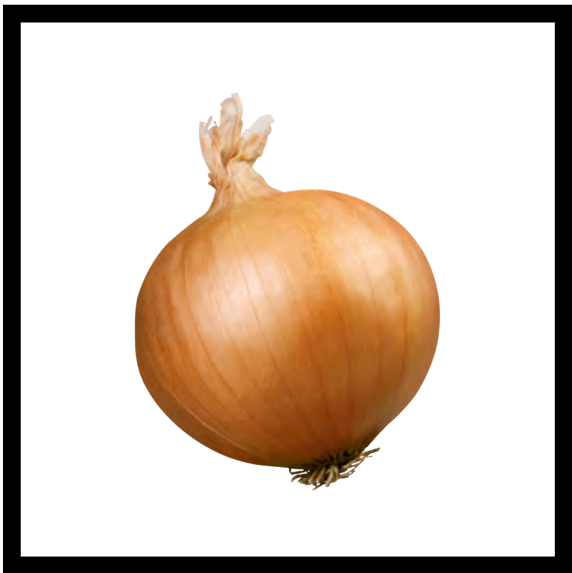
Each sheet is designed the same way. You will find all the cards with the common names at the very end of the document.

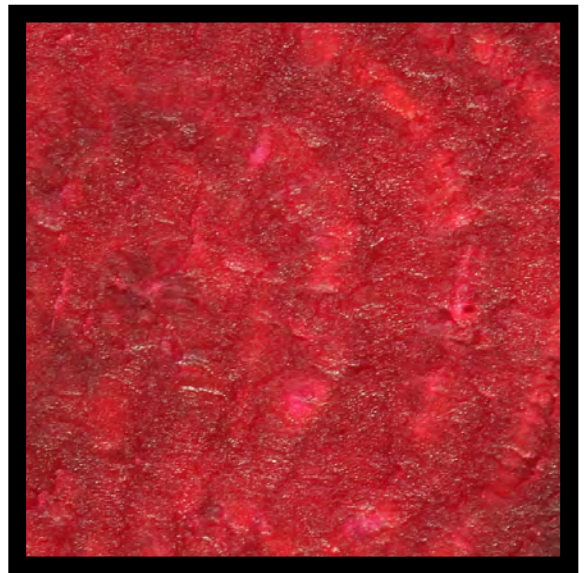
Project the **full answer key** on the board! This is a separate PDF that can be found on our website.

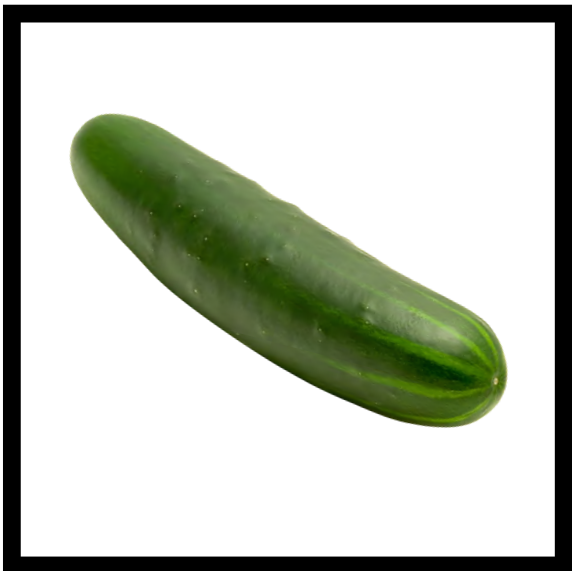




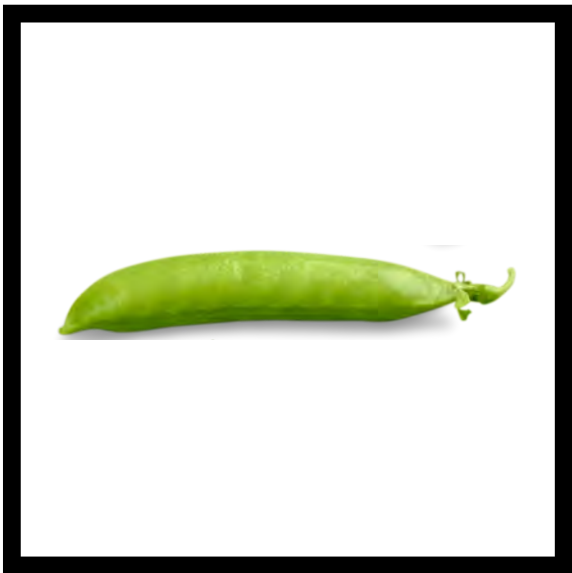




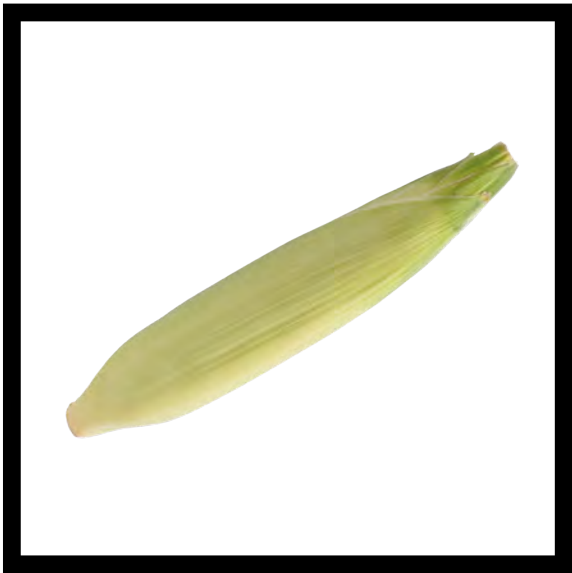


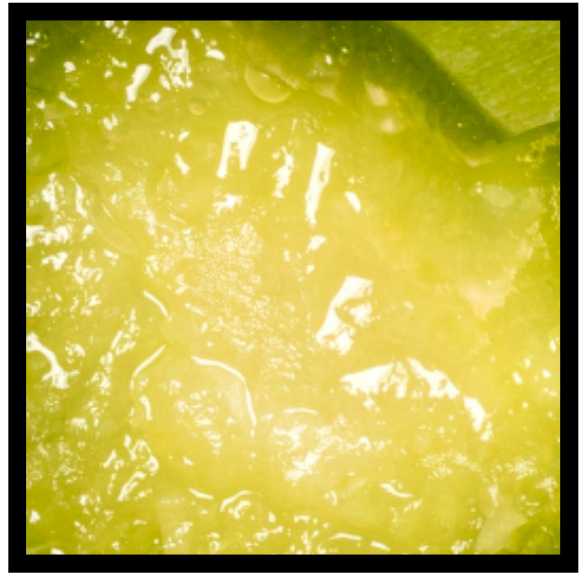
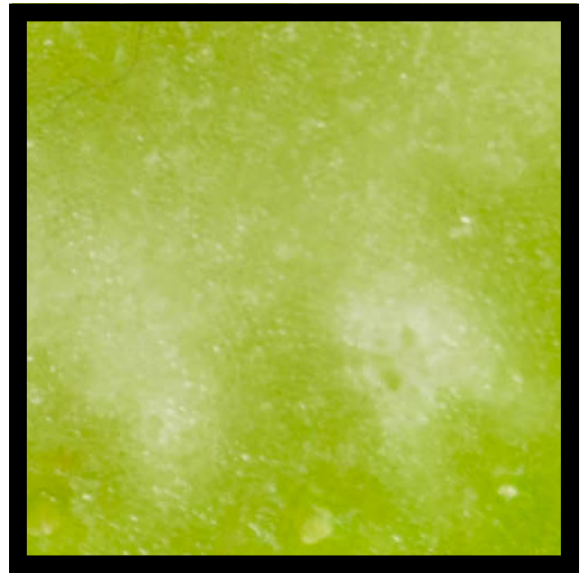




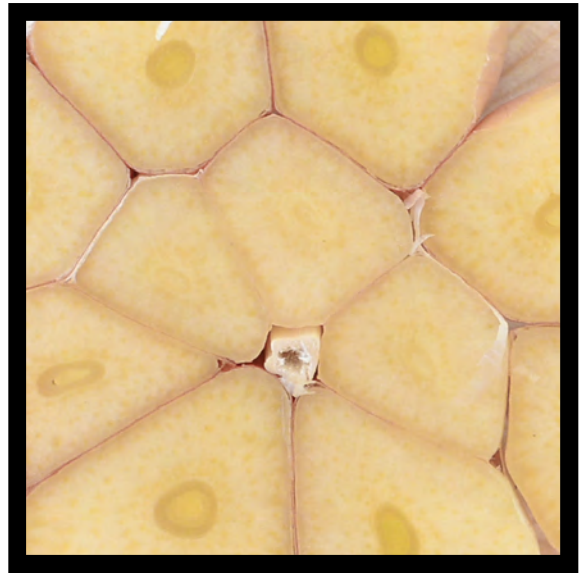












PEACH

POTATO

**BRUSSELS
SPROUT**

PEPPERS

APPLE

ONION

PUMPKIN

BEET

STRAWBERRY

CUCUMBER

RADISH

CARROT

TOMATO

PEAS

LETTUCE

ARTICHOKE

**SWEET
CORN**

WHEAT

CELERY

ASPARAGUS

BROCCOLI

CAULIFLOWER

HORSERADISH

GARLIC