



## PRE-K EXPERIENCES

Thank you for visiting us at County Line Orchard. Below you will find educational resources to conclude your learning adventure at County Line Orchard. While at the Orchard, our tour guides focused on the “P” words: Pollination, Packing, Press, Photosynthesis, and Picker People Picker Upper.

The Post-Learning Lessons below will focus on the Common Core standards. The goal of this curriculum is to follow up on what the students learned about the inner workings of our apple production, bees, and apple and pumpkin growing.

Helpful Websites:

- [Education.com](http://Education.com)
- [Pinterest](https://www.pinterest.com)

Please feel to contact us at [orchardtours@countlylineorchard.com](mailto:orchardtours@countlylineorchard.com) if you have any feedback regarding this curriculum. Thank you for allowing us at County Line Orchard to bring our passion of growing to your classrooms!

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## PRE-K LESSON #1: GROWING TREES

Objective: Students will be able to correctly order process of growing apples trees that they learned about in the Photosynthesis lesson at County Line Orchard.

### Standards

K.LS.2 Describe and compare the physical features of common living plants and animals.

K.RF.1 Understand and apply knowledge of print concepts, phonics, phonemic awareness, vocabulary, and fluency and comprehension as a foundation for developing reading skills.

### Materials:

- Apple Story

### Procedures:

- Review the process of Photosynthesis that was demonstrated at County Line Orchard
- Hand out the Apple Story worksheets and ask students to correctly number each step of how an apple tree grows.

### Assessment:

- Students will correctly label each step of the growing process that it takes an apple to grow that they learned about in the Photosynthesis lesson at County Line Orchard.



# GROWING APPLES

**Directions:** Number the following blanks 1 to 6 to tell the story of what an apple tree needs to grow.

- \_\_\_\_\_ The rain fell on my seed.
- \_\_\_\_\_ I patted the dirt all around.
- \_\_\_\_\_ Now my tiny apple seed is a big apple tree.
- \_\_\_\_\_ The sun shown down.
- \_\_\_\_\_ I covered it with soft, brown dirt.
- \_\_\_\_\_ I put a tiny apple seed underneath the ground.





## PRE-K LESSON #2: MEASURING UNITS

Objective: Students will be able to count the number of apples they picked at County Line Orchard and sort them according to size like they learned watching the packing machine.

MS. 2- Understand measurement through description and comparison. Materials:

- Apple Tree Craft
- Apple Tree Graph worksheet
- Construction Paper
- Red cotton balls or a red dot marker

Procedures:

- Review what the packing machine does at the Orchard with a focus on sorting small, medium, and large apples.
- Have students color the graph of how many small, medium, and large apples they had in their peck bags.
- Then have students add up the total number of apples they brought back from the Orchard.
- Have them cut out the parts of the apple tree they learned about.
- Ask them to use cotton balls or a red, dot marker to place the total number of apples they brought back from the Orchard on their tree.

Assessment:

- Students will be able to sort the apples they brought back from County Line Orchard according to size like they saw the packing machine do.
- Students will be able to construct the parts of the apple tree: tree, leaves, and fruit.
- Students will be able add the total number of apples they brought back and place that number of apples on their own apple trees.



# SIZE MATTERS




1. How many small apples did you have in your bag? \_\_\_\_\_

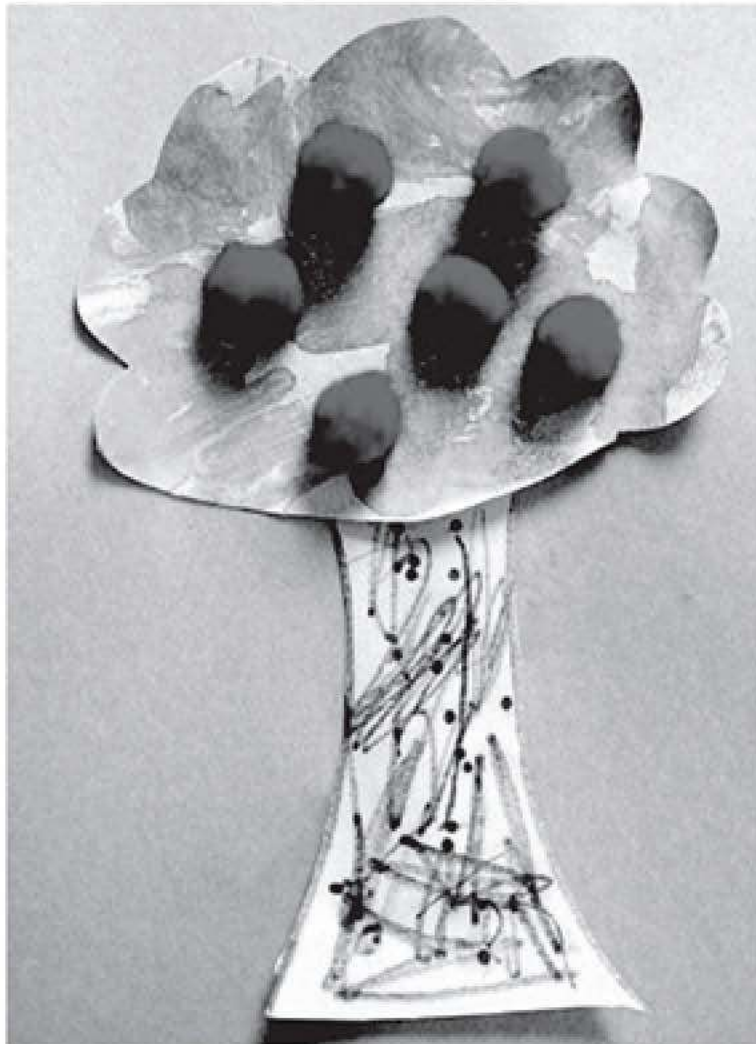
2. How many medium apples did you have in your bag? \_\_\_\_\_

3. How many large apples did you have in your bag? \_\_\_\_\_

4. How many apples in all did you have in your bag? \_\_\_\_\_



# APPLE TREE CRAFT





## PRE-K LESSON #3: WAGGLE MAZE

Objective: Students will be able to find to help the bee find its way to the flower to demonstrate how Pollination happens as they learned about at County Line Orchard.

K.RL.2.1 With support, ask and answer questions about main topics and key details in a text heard or read.

Materials:

- Waggle Dance Worksheet

Procedures:

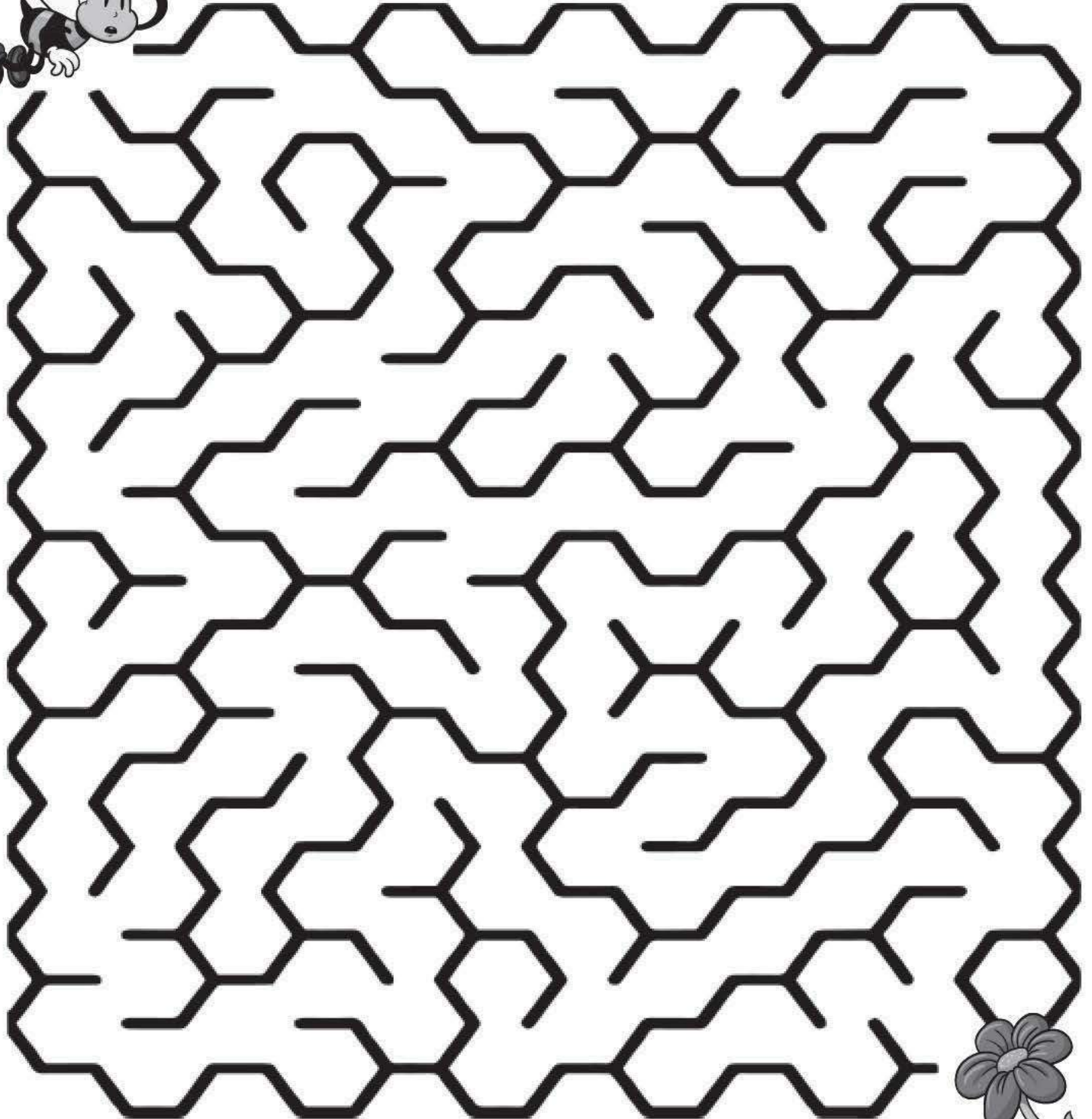
- Review what your students learned about how bees find flowers at the Orchard.
- Hand out the worksheet Waggle Dance worksheet.
- Review the two types of dances the bees do in order to find flowers.
- Ask students to help the bee find its way through the maze.

Assessment:

- Students will be able to recall the two types of dances bees do to communicate with each other they learned about at County Line Orchard.
- Students will be able to find the bee's way through the maze.



# HELP THE BEE GET TO THE FLOWER







## PRE-K LESSON #4: BEE REAL!

Objective: Students will be able to recall facts that they learned about bees and Pollination at County Line

Orchard and demonstrate their knowledge of bees by recreating bee activities. Reading Standards: K.RL.2.1 With support, ask and answer questions about main topics and key details in a text heard or read. Materials:

- Bee Headbands made from template
- Circles of “pollen” in different colors
- Queen Bee Headband

Procedures:

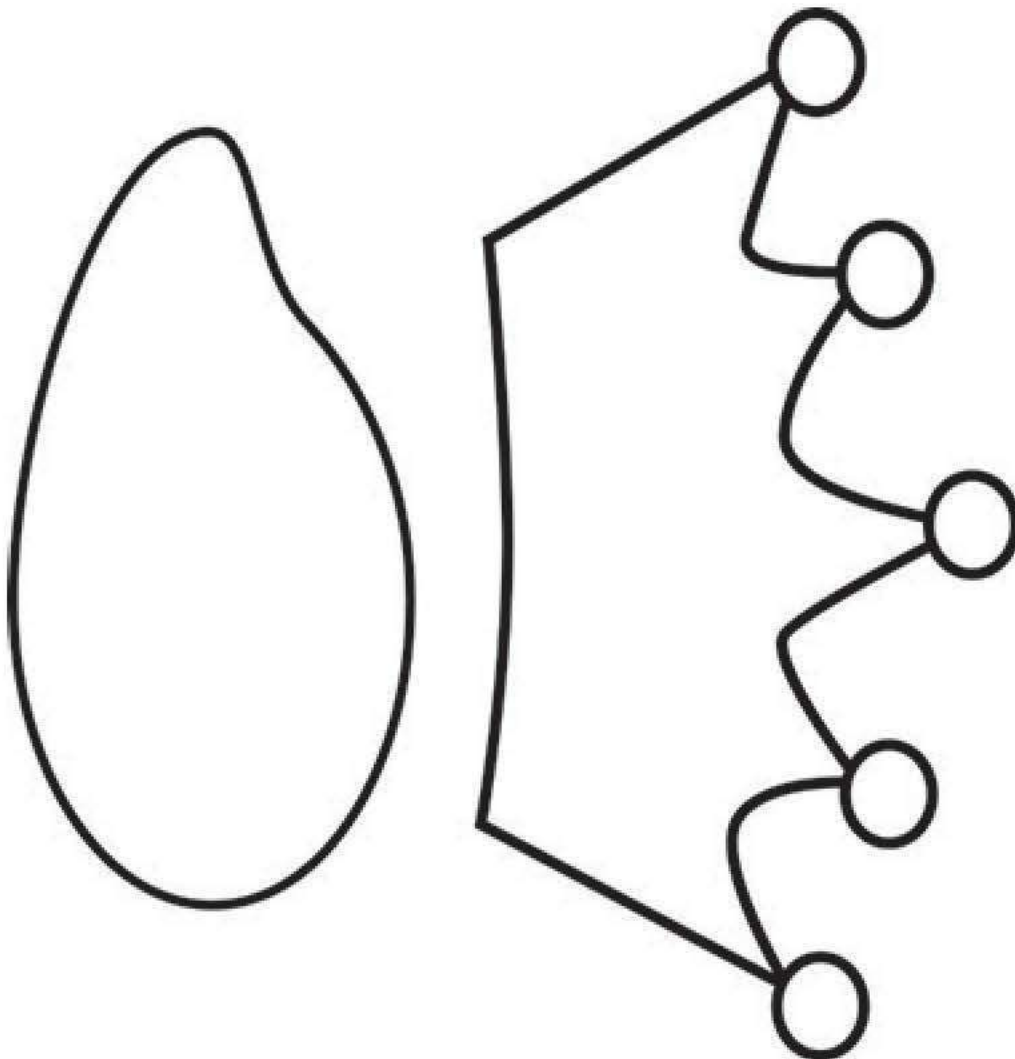
- Have students create their own bee headbands using the template.
- Make a queen bee headband for yourself.
- Review the 3 types of bees: drones, queen, worker bees
- Hide circles in pairs of 2 around the room.
- Review the 2 dances of bees.
- Place students in groups of two. One will stay in the “hive” while the other one will search for “food”.
- Once one finds the cotton ball and brings it back, the other one in the group should do the waggle dance to let them know where to find the second cotton ball. They can only bring one back at a time. Do this for a few minutes and then regroup.
- The pair that collects the most cotton balls wins.

Assessment:

- Students will correctly identify like colors.
- Students will work in pairs to complete a task,
- Students will demonstrate their knowledge of what they learned about bees at County Line Orchard.



# BEE HEADBAND





## PRE - K EXPERIENCES

Thank you for booking a School Tour with us at County Line Orchard. Below you will find educational resources to prepare your students for their adventure at County Line Orchard. While at the Orchard, our tour guides will focus on the “P” words: Pollination, Packing, Press, Photosynthesis, and Picker People Picker Upper.

The Pre-Learning Lessons below will focus on the Common Core standards. The goal of this curriculum is to engage as they learn the inner workings of our apple production, bees, and apple and pumpkin growing.

### Helpful Websites:

- [Education.com](http://Education.com)
- <https://www.youtube.com/watch?v=FJqy967xs1c>
- <https://www.youtube.com/watch?v=ta154f5Rp5Y>

Please feel to contact us at [orchardtours@countlylineorchard.com](mailto:orchardtours@countlylineorchard.com) if you have any feedback regarding this curriculum. Thank you for allowing us at County Line Orchard to bring our passion of growing to your classrooms!

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## PRE - K LESSON #1: “B”TASTIC!

Objective: Students will identify “B” and “b”. Students will follow directions and color the correct object. This lesson will set the context when students learn about (b)ees at County Line Orchard and their role in the Pollination process.

Standards:

English Standards:

K.RF.1 Understand and apply knowledge of print concepts, phonics, phonemic awareness, vocabulary, and fluency and comprehension as a foundation for developing reading skills.

Materials:

- Learn the letter “Bb” Worksheet

Procedures:

- Write the letter “B” “b” on the board. Explain Bb is for “Bee”.
- Review the alphabet with your students both lower and upper case letters.
- Explain “Bb” stands for bee.
- Tell students that Bees love flowers.
- Have students color the corresponding flowers for the letter “Bb”.

Assessment:

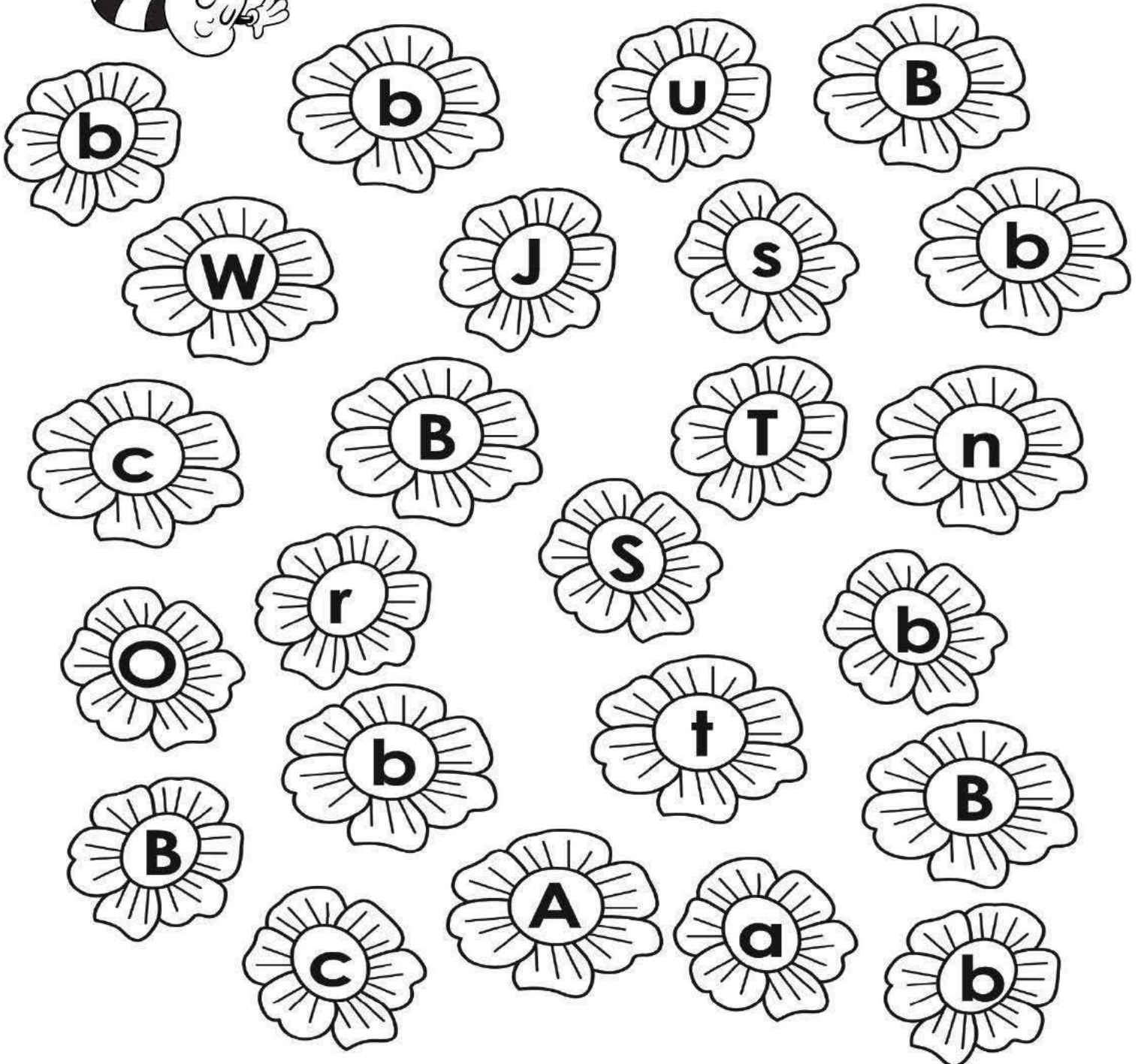
- Identify the letter “Bb” correctly by coloring the corresponding pictures.
- Students will follow up this lesson at the Orchard by learning the Bee Dance as the bees search for flowers.



# HELP BILLY!



Help Billy Bee find the flowers with the best nectar. Color all the flowers with the uppercase letter b red and all the flowers with the lowercase letter b yellow.





## PRE-K LESSON #2: BUSY BEE BODIES

Objective: Students will learn and identify basic concepts about bees including vocabulary words and definitions associated with bees. This lesson will set the context when students learn about the three different types of bees and their role in Pollination at County Line Orchard.

### Standards

K.LS.2 Describe and compare the physical features of common living plants and animals.

K.RF.1 Understand and apply knowledge of print concepts, phonics, phonemic awareness, vocabulary, and fluency and comprehension as a foundation for developing reading skills.

- Busy Bee Bodies Worksheet

### Procedures:

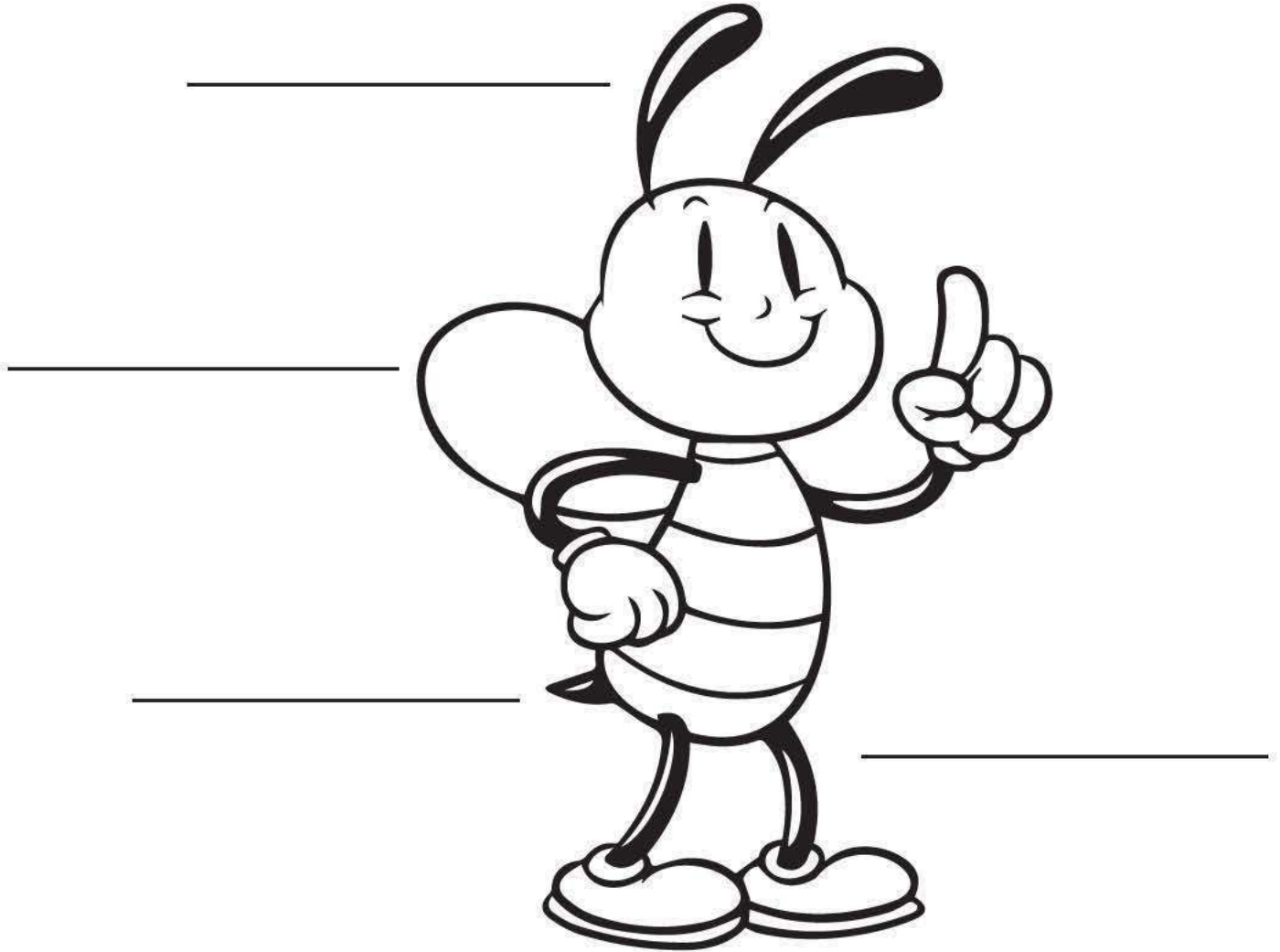
- For an explanation on the different parts of the bee's body watch the short youtube.com clip. <https://www.youtube.com/watch?v=ta154f5Rp5Y>. Then have students complete the worksheet "Learn the parts of the bee".
- After watching the video review the definitions and terms of "wings, stinger antennae, pollen, and leg".
- Have students complete the worksheet "Busy Bee Bodies".
- Review the correct answers with them after they complete the diagram on their own.

### Assessment:

- Students will understand and correctly identify the different parts of a bee.
- Students will follow up this lesson at County Line Orchard by learning about and seeing the three types of bees in our hives.



# BUSY BEE BODIES



## Word Bank

- Wings
- Stinger
- Antennae
- Leg



## PRE - K LESSON #3: SIZE MATTERS

Objective: Students will learn to compare objects of different sizes. This lesson will set the context for learning about Packing apples at County Line Orchard.

Math Standards:

MS. 2- Understand measurement through description and comparison. Materials:

- Size Matters Worksheet

Procedures:

- Explain the difference between small, medium, and large.
- Show students two objects and ask them to point to the larger object in your hands.
- Hand out the Size Matters worksheet.
- Have students underline the large picture and circle the small picture in each box.
- Then, have students color the pictures in the boxes.

Assessment:

- Students will identify large and small objects in a series of problems.
- Students will follow up with size comparisons at the Orchard by watching the Packing machine sort apples based on their size: small, medium, and large.





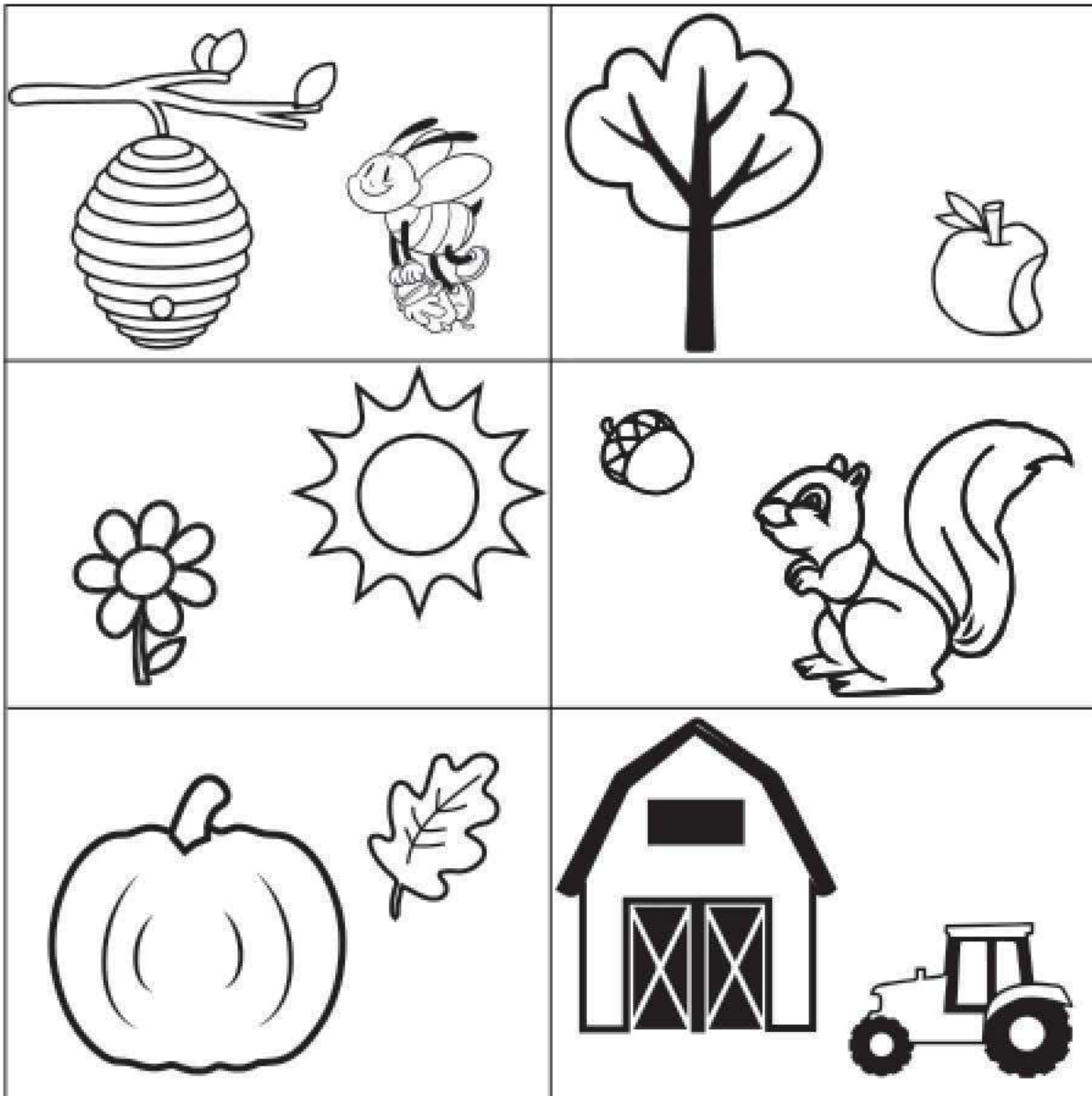
# SIZE MATTERS

## Directions:

Underline the big picture.

Circle the small picture.

Color all the pictures.





## PRE-K LESSON #4: APPLE PARTS

Objective: Students will demonstrate their knowledge of apples by coloring each part according to the directions. This lesson will set the context when students learn about Picking apples at County Line Orchard.

English Standards:

K.RF.1 Understand and apply knowledge of print concepts, phonics, phonemic awareness, vocabulary, and fluency and comprehension as a foundation for developing reading skills.

Materials:

- Apple Parts Worksheet

Procedures:

- Write the letter “A” “a” on the board. Explain Aa is for “Apple”.
- Review what students learned at the Orchard about apples: leaf, stem, seeds, flesh, and skin.
- Hand out the Apple Parts Worksheet.
- Have them color each part of the apple a different color according to the directions on the worksheet.

Assessment:

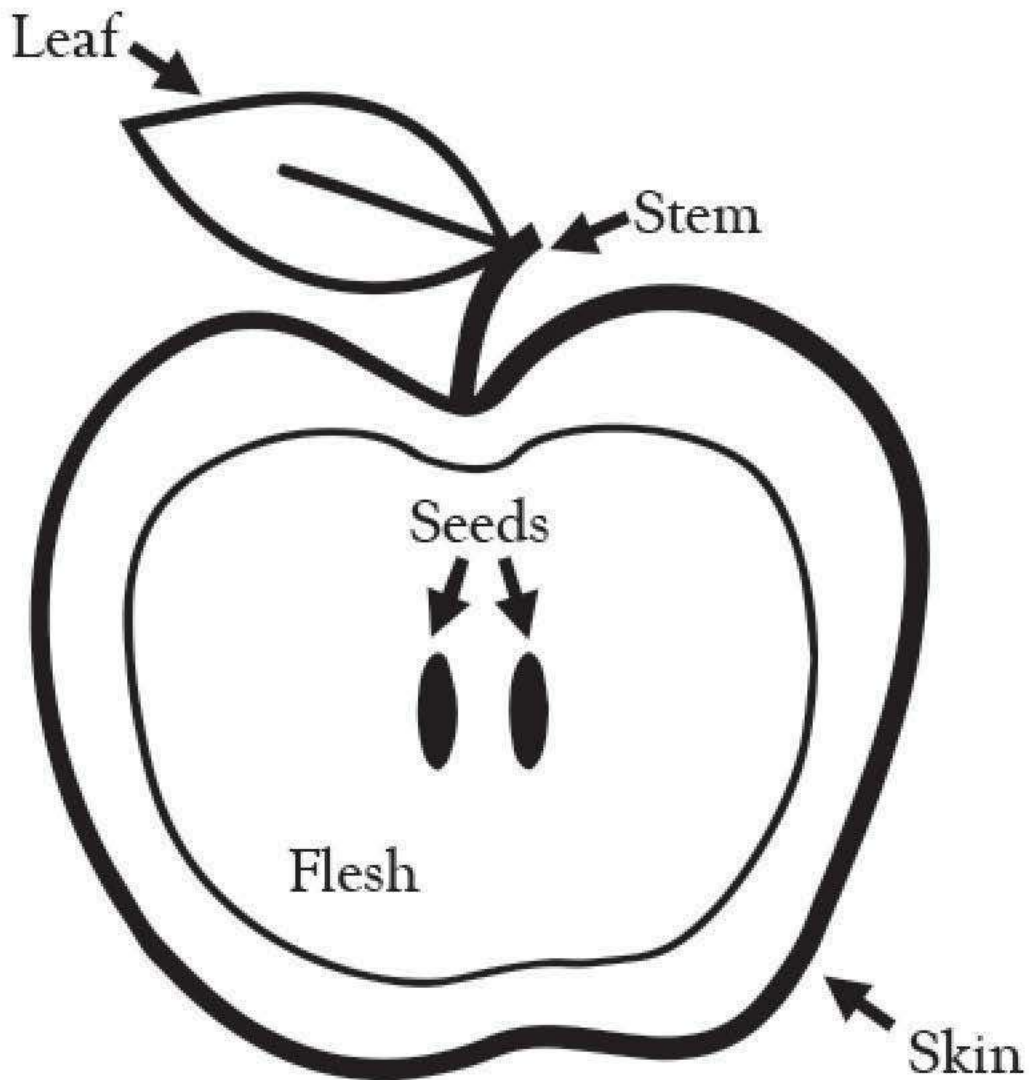
- Students will correctly identify the parts of an apple by coloring each part according to the directions.

Students will follow up this lesson at County Line Orchard by learning about Picking apples.



# APPLE PARTS

Color the leaf **GREEN**  
Color the seeds **BROWN**  
Color the flesh **YELLOW**  
Color the skin **RED**.





## PRE - K LESSON #5: APPLE TREE PARTS

Objective: Students will learn and identify basic concepts about plants including vocabulary words and definitions associated with plants. This lesson will set the context when students learn about the process of Photosynthesis at County Line Orchard.

### Science

K.LS.2 Describe and compare the physical features of common living plants and animals.

K.RF.1 Understand and apply knowledge of print concepts, phonics, phonemic awareness, vocabulary, and fluency and comprehension as a foundation for developing reading skills

- Plant Parts Worksheet

### Procedures:

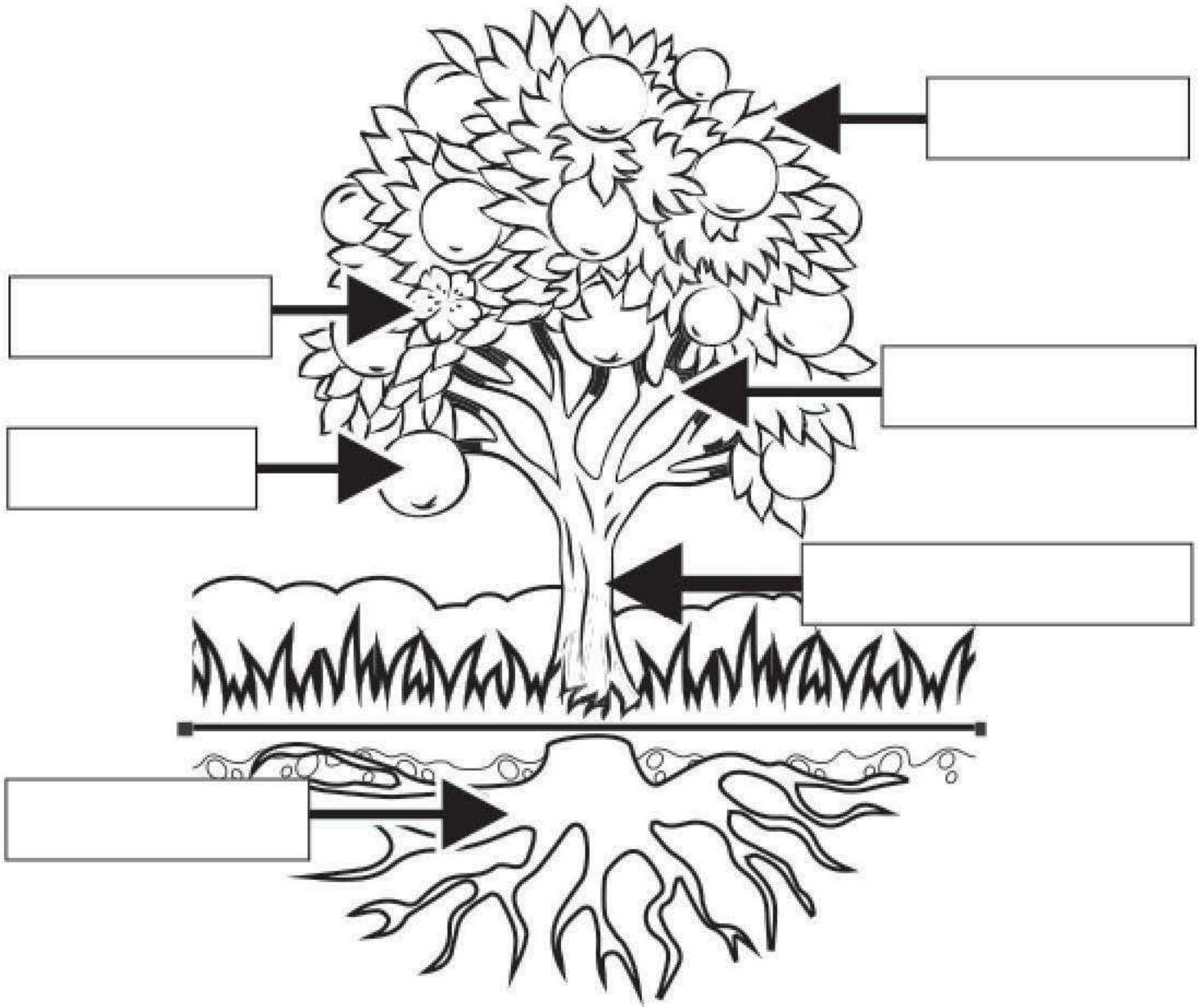
- For an explanation on the different parts of the plant watch the short youtube.com clip.  
<https://www.youtube.com/watch?v=FJqy967xs1c>.
- After watching the video review the definitions and terms of “stem, petal, roots, and leaf”.
- Have students complete the worksheet “Plant Parts”.
- Review the correct answers with them after they complete the diagram on their own.

### Assessment:

- Students will understand and correctly identify the different parts of an apple tree.
- Students will follow up with this lesson at County Line Orchard by learning about the process =of Photosynthesis.



# APPLE TREE PARTS



## Word Bank

- Fruit
- Blossom
- Leaves
- Trunk
- Branch
- Roots