

CLOVERBUD READING ADVENTURES

The Beeman

By Laurie Krebs, Illustrations by Valeria Cis

This book takes the reader through a year of beekeeping from the point of view of a little girl helping her grandpa, who's known in town as the Beeman.



ACTIVITIES AND CRAFTS

Honeycomb Craft

Materials: Paper towel roll, yellow paper, black marker, glue, scissors

**What to do:**

1. Cut the paper towel roll into 1/2-inch-thick sections. Bend them in half, then bend them in half the other way to make a diamond shape.
2. Arrange the honeycombs in a beehive shape on the yellow paper. When you like the design, glue them in place and let dry.
3. When the honeycomb is dry, draw little bees around the paper with the black marker.

Bee Hummer



Materials: Large Craft Stick, double-sided tape/ foam tape, yarn, large elastic band, craft paper, office tape/glue, scissors

What to do:

1. Cut the craft paper in a rectangular shape with the longer side 2" less than the length of the craft stick.
2. Trim off the two corners from the longer side of the rectangle.
3. Paste the craft sheet on the popsicle stick, leaving an inch off each side and covering half of its width.
4. Tie the yarn on one side of the craft stick. Leave the other end of yarn free and long enough to swirl the popsicle stick away from your face.

5. Secure double-sided tape on both the corners covering both sides of the corners. Remember to use only one side of the double-sided tape.
6. Stretch the elastic band over the double-sided tape along the length of the stick. Make sure the elastic band is in the center of the popsicle stick.
7. Spin to hear the buzzing sound of insect's wings.

GAMES

Siblings by Scent

From scholastic.com

This group game helps Cloverbuds understand how honeybees of the same colony recognize each other.

Supplies: cotton swabs, 3 scents of clear food flavoring (peppermint, lemon, coconut)

How to play:

1. First, gather a class supply of cotton swabs and three clear food flavorings, such as peppermint, coconut, and lemon. Divide the cotton swabs into three groups, dip each group into a different flavoring, and randomly arrange the swabs on waxed paper.
2. Explain that honeybees of the same colony recognize their siblings by scent. When an unrelated bee tries to enter the hive, guard bees detect its foreign scent and sting it to death.
3. Divide Cloverbuds into groups. Have children pick a cotton swab and form colonies (groups) by finding other "bees" with matching scented swabs.
4. After the children have identified their "bee siblings," invite them to share their experiences.

Flower Pollination

This activity makes understanding pollination and how bees help in pollination easier.

Supplies: Bag of cheese nachos, cheese curls or salted cheese popcorn, a bowl, piece of white copy paper or construction paper, crayons, or colored pencils

How to play:

1. Have each Cloverbud draw a flower on the piece of paper.
2. Empty the nachos or other selected snack in a bowl.



3. Touch a few chips and take a couple bites.
4. After a few bites, have the Cloverbuds touch their fingers to the flowers they drew. Ask "What do you see?"
5. Explain that pollen sticks to bees' bodies in the same way some of the seasonings stick to your hands when you eat with your fingers.

ACTIVITIES AND CRAFTS



Peanut Butter Balls

Ingredients: 1/4 cup oats, 1/2 cup natural unsweetened peanut butter, 1/4 cup honey (you can use 3 tbsp for a less sweet flavor), 1/2 tsp vanilla, 2-3 tbsp dried shredded coconut (or something else like sesame seeds, chopped peanuts).

What to do:

1. Pulse the oats in a blender for 30-45 seconds till they become a powdery flour.
2. In a mixing bowl, stir together peanut butter, honey, vanilla, salt and oat flour.
3. Roll the peanut butter mixture into 1-inch balls.
4. Roll each ball in dried coconut to coat. Place peanut butter balls in the refrigerator. Chill for at least 30 minutes.

Honey Kiwi Raspberry Fruit Dip

From the National Honey Board

Ingredients: one ripe kiwi, peeled and diced; 1/2 cup - unsweetened frozen raspberries; 1/2 cup - honey; 8 oz. - low-fat vanilla yogurt; Fresh fruit, for dipping

What to do: In the bowl of a food processor, combine kiwi, raspberries, and honey; puree. Stir in yogurt. Serve with sliced fresh fruit (strawberries, pineapple, watermelon, cantaloupe, honeydew melon, grapes, bananas, etc.)



OTHER BOOKS TO READ ALOUD

Bailee the Bumblebee, by Karen Benedict

Give Bees a Chance, by Bethany Barton

The Honeybee, by Kirsten Hall

The Beekeeper Mystery (The Boxcar Children Mysteries), by Gertrude Chandler Warner

RESOURCES

<https://www.123homeschool4me.com/honeycomb-craft-55/>

<https://kidpillar.com/bees-honey-fun-facts-for-kids/>

Ohio State University Bee Lab: <https://u.osu.edu/beelab/>

Whole Kid Foundation—See Bees up close in these short You Tube videos:

<https://www.youtube.com/playlist?list=PLkXAEYJtK76oE66d6y23QbiXIP2wzGY3e>

EVALUATION

We value your input! After completing a Reading Adventure with your Cloverbuds, please tell us what you think. Your feedback will be used to improve the Reading Adventure program. Type the link in your browser and navigate to the evaluation site:

<https://go.osu.edu/evaladventures>

4-H CLOVERBUD READING ADVENTURES

Reading Adventures are part of the Ohio 4-H Cloverbud Program. This adventure was developed by Christy Millhouse, Extension Educator, 4-H Youth Development, Ohio State University Extension. It contains well-known activities, games, and snacks. Sources are indicated where appropriate. Find more reading adventures online at ohio4h.org/cloverbudresources.

TIP:

This 4-H Cloverbud Reading Adventure works well with Chapter 48 ‘*Bugs, Butterflies, Worms, and Spiders*’ in *The Big Book of 4-H Cloverbud Activities* available through OSU Extension offices or online at extensionpubs.osu.edu. Ohio residents get the best price when they order and pick up their purchases through local Extension offices.

