



# BUILD A BIRD FEEDER AND TINKERCAD

Grades K-3/4-8

## DESIGN AND CONSTRUCT A BIRD FEEDER: DAY 1

K-3 Your students will make a bird feeder out of recycled materials. Collect recyclable materials such as water bottles, milk jugs, toilet paper tubes and small boxes for the activity.

4-8 Your students will work on their Tinkercad lessons.

### AHOJ!

5 min

**Ahoj is Slovak for hello! (Pronounced Ah-hoy)**

Greet your students. Be friendly. Use their name, ask a question, give a high five, or thumbs-up! Take roll. Mark down which students took a snack and tally how many snacks were given out.

### SNACK/FREEPLAY

30 min

**Enjoy Free Play:**

Students will have their snack and enjoy time to free play.

### STORY TIME

15 min

**Read the story:**

Read the story of the day. Older students may choose to read their own books.

### STEM TIME

50 min

#### Materials:

- Recyclable materials (milk jugs, toilet paper tubes, small boxes, straws, chopsticks, string and more)
- Scissors
- Glue
- Tape
- Coloring utensils and paper for decorating

#### Grades K-3: Make a Bird Feeder- Day 1

Today, your students will begin designing and building a bird feeder. Let students be creative! Remind students they're building a bird feeder and not a bird house. A bird feeder is a place to put food so you can observe what types of birds come to your feeder. Help students wherever needed. You may have to help with cutting holes, tying knots etc.

1. Spread recycled craft materials out on the tables
2. Place glue scissors and tape on the tables
3. Allow your students STEM Time to create their own bird feeder

Note: This is a combined activity. Older and younger students can make their own bird feeders. Older students can help younger students if needed. Students may work in pairs if they prefer.

#### Materials:

- Chromebooks

#### Grades 4-8: Tinkercad

Students will continue to work through their Tinkercad lessons



**SPORTS / GAMES**

30 min

\*Older students may practice their sport if they don't want to play the game.

**Materials:**

- One container per team
- Cereal
- Bits of paper
- Wood marbles (or another type of small object such as pebbles or legos)
- String
- Tweezers
- Spoons
- Test tube caps

**HOMEWORK / FREE PLAY**

20 min

**CLEAN UP / DISMISSAL**

5 min

**Bird Beak Relay!**

This is a fun game where students will get to practice being birds by using tools that mimic bird beaks. Students will discover which types of beaks are best for eating different types of food.

1. Spread out large and small items on the ground to represent different types of bird food. Use materials such as cereal (seeds), ripped up paper (small bits of food), cut pieces of string (worms) and wood marbles from the Koa crate (large seeds or bits of food).
2. Place a few collection containers on a table. Each team will have a container to transfer their food into as they collect it.
3. Each student will have various "beaks" such as tweezers, spoons, test tube caps \*These are in your KEA the crate" on the shelf.
4. Set a time limit and let the food collecting fun begin.

Note: You can do multiple rounds with the game using only one beak tool at a time so that students can see how difficult or easy it is for a bird to use their specialized beak for eating specific materials. For example, it is easy to pick up string with tweezers while is it difficult to pick up string with a test tube cap or bottle cap.

**Instructions:**

Allow your students some homework time. If they need help let them know you can help them. If they do not have any homework they can have some reading time, or they can have free time to go outside and play.

**Clean up/pack up/dismissal**

Clean up, pack up and practice lining up.

