

## The Best Beak for the Job

### Group 1 (American Robin)

- Food: worms buried in soil
- Tools: chopsticks; turkey baster, nut cracker

### Group 2 (Northern Cardinal)

- Food: chenille stem pieces and sunflower seeds scattered on a cookie sheet
- Tools: pliers, chopsticks, tweezers

### Group 3 (Hummingbird)

- Food: colored water in a hummingbird feeder (1/group member)
- Tools: medicine dropper, straw, pliers

### Group 4 (Red-headed Woodpecker)

- Food: plastic ants placed in Styrofoam
- Tools: tweezers, clothes pin, medicine dropper

### Group 5 (Cedar Waxwing)

- Food: plastic berries and grass
- Tools: two rulers held together, chopsticks, spoon

### Group 6 (Great Egret)

- Food: toy fish
- Tools: chopsticks, long snapping hair clip, spoon

### Group 7 (Mallard Duck)

- Food: small twigs in a bowl of water
- Tools: slotted spoon, tweezers, hand strainer

### Group 8 (Red-tail Hawk)

- Food: marshmallows (skewered on a straw)
- Tools: chopsticks, tweezers, spoon

**Challenge #1**

You have been given worms as your food source. You have also been given sample beaks, one per person in your group. Your challenge is to obtain as many worms as you can that are buried in the soil within 20 seconds. Put your food in your stomach (cup).

**Challenge #2**

You have been given sunflower seeds as your food source. You have also been given sample beaks, one per person in your group. Your challenge is to use your beak to crack the shell and remove the seed inside within 20 seconds. Put your food in your stomach (cup).

**Challenge #3**

You have been given colored water in a hummingbird feeder. You have also been given sample beaks, one per person in your group. Your challenge is to use your beak to see how much water you can transfer to your stomach within 20 seconds.

**Challenge #4**

You have been given ants as your food source. You have also been given sample beaks, one per person in your group. Your challenge is to use your beak to transfer as many ants to your stomach within 20 seconds.

**Challenge #5**

You have been given small berries as your food source. You have also been given sample beaks, one per person in your group. Your challenge is to use your beak to transfer as many berries to your stomach within 20 seconds.

**Challenge #6**

You have been given fish as your food source. You have also been given sample beaks, one per person in your group. Your challenge is to use your beak to transfer as many fish to your stomach within 20 seconds.

**Challenge #7**

You have been given small twigs (to represent small invertebrates) in water as your food source. You have also been given sample beaks, one per person in your group. Your challenge is to use your beak to transfer as many twigs to your stomach within 20 seconds.

**Challenge #8**

You have been given marshmallows on a straw (to represent a small mammal) as your food source. You have also been given sample beaks, one per person in your group. Your challenge is to break apart the marshmallows and transfer as many marshmallows to your stomach within 20 seconds.