

**Station #1**  
**Bird-Ae'o (Hawaiian Stilt)**  
**Food Source-Grubs buried in marshy soil (flour, water and dirt)**  
**Tools-Chopsticks, Turkey Baster, Tweezer**



Challenge #1 -You have been given grubs to represent worms as your food source. You have also been given sample beaks:

1. Chopsticks
2. Turkey Baster
3. Tweezer

Your challenge is to obtain as many fishing worms as you can that are buried in the 'soil' within 30 seconds. Put your food in your stomach (plastic cup). Repeat each trial 3 times and record the amount of food after each trial

## Station #2

### Bird-Akepa

Food Source-Rice spread out on a tray (to represent insects)

Tools- Tweezers, Clothespins, Test tube holder



**Challenge #4**- You have been given rice (to represent insects) as your food source.

You have also been given sample beaks:

1. Tweezer
2. Clothespins
3. Test Tube holder

Your challenge is to use each beak and transfer as many pieces of rice to your stomach (plastic cup) in 30 seconds. Repeat each trail 3 times an record the amount of food after each trial on your worksheet

**Station #3**  
**Bird-Palila**  
**Food Source-Sunflower Seeds**  
**scattered in a tray**  
**Tools-Chopsticks, Clothespin,**  
**Tweezer**



Challenge #2 -You have been sunflower seeds to represent seeds as your food source. You have also been given sample beaks:

1. Chopsticks
2. Clothespin
3. Tweezer

Your challenge is to use each beak to CRACK the shell and remove the seed inside within 30 seconds. Put your SHELLED seeds in your stomach (plastic cup). Repeat each trial 3 times and record the amount of food after each trial.

**Station #4**  
**Bird-I'iwi**  
**Food Source-Colored water (nectar)**  
**Tools-Medicine dropper, Straw, Pipette**



Challenge #3 –You have been given colored water to represent nectar as your food source. You have also been given sample beaks:

1. Medicine Dropper
2. Straw (use finger to keep liquid in the straw, NOT your mouth)
3. Pipette

Your challenge is to use each beak to see how much water you can transfer to your stomach (beaker) in 30 seconds. You will then measure the amount in the graduated cylinders. Repeat each trial 3 times and record the amount of liquid in milliliters after each trial.