



# Going Batty



## Activity #1

### Sound Waves Tray

This activity introduces the concept of *echolocation*\* by observing how objects can interrupt the direction a wave is travelling in. Explain to the children that sound waves travel through air similarly to how waves travel through water. To set up your tray, simply fill it with water and place a few floating objects on top. When the water is still, drop a sinking object into the water and watch the waves spread or use your finger to "poke" the water. Pay attention to what happens when a wave hits one of the floating objects!

**\*Note:** refer to the *Bat Fact* sheet for more information on echolocation!

### Materials

- Tray or bowl, small floating objects (twigs, leaves, flowers, etc.), small sinking object (rock or coin), water



## Activity #2

### Bat and Moth Game

This game also explores the concept of *echolocation*. Have the class get into a circle and hold hands. Have two students volunteer to become the predator and prey (in this case a bat and a moth). Blindfold the predator (bat) and place



both children in the middle of the circle. Explain that they will be a bat and a moth at night. Since it's dark, they won't be able to see. The bat will have to use echolocation to catch the moth. The game will proceed like a game of Marco Polo. The bat can call out bat to the moth, and the moth must respond by saying moth. Depending on how the game proceeds, you can add in another factor and have everyone in the circle call out tree whenever the bat says bat. This is realistic as the bat's echolocation sends back multiple signals for each thing around it. It must find the moth through the trees.

**Materials:**

- blindfold

## Activity #3

### Pine Cone Bat Craft

Take some time to go for a

walk in a wooded area to look for pine cones. Once everyone has found a pine cone, use your scissors to cut out a pair of bat wings from black felt or construction paper. Stick on some googly eyes or any other fun object that could be used as eyes. Finally, find somewhere to hang your bat! **\*Note:** This is a great time to make observations about the cones that fall from trees and how they vary in size, shape, texture, and color.

**Materials:**

- Pine cones, black felt or construction paper, scissors, googly eyes (or something else to be used for eyes like buttons or beads), glue

