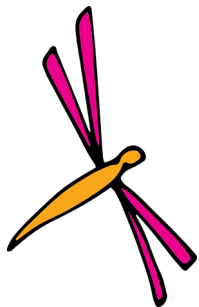
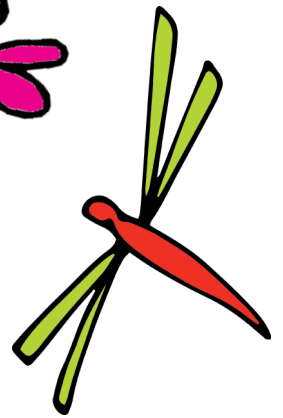
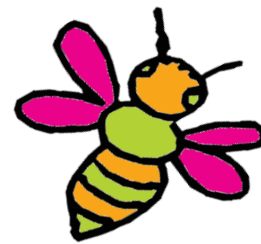


Brownie Bugs Badge

STEPS

1. Draw a bug poster
2. Try a bug craft
3. See bugs in action
4. Explore bug homes
5. Take a bug field trip



**When you've earned this badge,
you'll know all about bugs.**

STEP 1: DRAW A BUG POSTER

Before you can draw a poster of a bug, you'll need to learn a little about them.

Using the internet, discover the different bugs that live in your area. Learn the difference between a bug and an insect. Pick a bug or insect and make an informational poster, including a hand-drawn picture of the bug or insect. Include the following information:

- What kind of habitat does it have?
- What does it eat?
- Where does it live?
- How does it get around?
- How long does it live?
- Who are its enemies?

STEP 2: TRY A BUG CRAFT

There are lots of "buggy" things you can make. Try making your own butterfly!



List of materials needed:

- Coffee Filters
- Markers
- Rubbing alcohol
- Clothespins
- Pipe Cleaners
- Paintbrushes

Steps

1. Start by coloring on two coffee filters that are doubled up in any pattern you want! Only the top filter needs to have color on it.
2. Paint the rubbing alcohol onto the top coffee filter. These should still be doubled up. The colors of the markers should start to bleed and make fun new patterns. Allow both filters to dry completely before moving on. While waiting for them to dry, decorate the clothespins, or bodies of your butterflies.
3. Once dry, separate the filters and begin folding them like an accordion.
4. Pinch them together in the middle like show above.
5. Attach a clothespin to the pinched spot.
6. Gently unfold the two filters to make the four wings of the butterfly. Attach pipe cleaners to the ends by wrapping it through the end of the clothespin and gently curling the ends.



STEP 3: SEE BUGS IN ACTION

Insects are busy, and we don't always see them in action.

Take a walk in your neighborhood or at your local park and look for three different insects. This could be an ant carrying food, a slug or snail moving across the patio, a bee buzzing from flower to flower or an earthworm burrowing into the ground. Look all around and be observant to find the insects. Use caution if you're observing stinging insects, and never harm living creatures. Record your observations in a bug journal. Then, discuss what you think your insects were doing and why they were acting that way.

Observe:

- What they do
- Why they might be doing it
- How they eat
- What they eat
- Who they interact with and how

STEP 4: EXPLORE BUG HOMES

It isn't just the bugs that are cool. The places they live are fun to explore, too! Find out more about bug homes.

Brainstorm the kinds of homes bugs create or live in (wasp nest, bee hive, spider web, cocoon, etc.) Discuss what types of bugs you've seen around your homes. For example, find a spider and its web and watch it during different times of the day. In your bug journal, record what the spider is doing at that time, if the web looks any different, is there food stuck to the web, etc. Do not disturb the web or spider. Another option is to use craft supplies to make a model of a bug house of your choosing.

STEP 5: TAKE A BUG FIELD TRIP

The best place to view creepy critters is outside where they live! Take a trip to get up close and personal with your insect friends!

The simplest way to do this step is to go on a walk around the neighborhood or park. How many kinds of bugs can you find along the way? Bring your bug journals and magnifying glasses.

Another option for a field trip is to check out virtual options available at zoos, museums, and local farms. You might discover different bugs than in your neighborhoods.