

Brownie Bug Badge

Supplies Needed

- Computer with internet access
- Poster Board or Large Paper
- Markers, Crayons, or color pencils
- Safety Scissors
- Adult Supervision
- A binder such as tape, elmer's glue, or water & flour mixture
- Choose Your Own Supplies (at least four): cardboard from toilet paper/paper towel, cardboard, newspaper, old clean socks, plastic bags, paper bags, coffee filters, egg cartons, small rocks, pipe cleaners, etc.

Draw a bug poster

Supplies Needed

Computer with internet access, poster board or large blank paper, markers/crayons/coloring pencils
Adult supervision

Activity

- Watch a bug video! Thanks to [Socratica Kids](https://www.youtube.com/watch?v=uiqDniB8T6A) YouTube Page. <https://youtu.be/uiqDniB8T6A>
- Choose a bug you learned about in the video. Make a poster with all the information you learned! Posters should include:
 - Bug name
 - Drawn picture of the bug
 - Where your bug lives
 - What it eats
 - Facts about this bug
 - Does this bug have any enemies?

Bonus Fun! Girls and guardians can explore a yard or walk to a local green area to see if they can identify any of the animals they saw in the video!

Check your Skills

Share your poster with family members and explain the new information you found!

Try a bug craft

Supplies Needed

Choose Your Own Supplies (at least four): cardboard from toilet paper/paper towel, cardboard, newspaper, old clean socks, plastic bags, paper bags, coffee filters, egg cartons, small rocks, pipe cleaners, etc.
Needed: A binder of some sort such as tape, elmer's glue, water & flour mixture, kids scissors

Activity

- Time to use your imagination! Make a bug out of objects found around the house. Place at least 4 of the items above on a working space for your child.

Verbal Instructions: Using the following supplies makes a bug. This bug can be made up or it can be a bug from real life.

While making our bugs we are going to keep in mind the following:

- All bugs have legs, usually six or eight. How many legs will my bug have?
- The color of a bug matters-- Is it trying to blend in to its surroundings or is it trying to stand out and warn other animals to stay away?

- How does my bug see?
- How does my bug get around?
- Where does my bug live and why?

Check your Skills

Display your animal! Place in a window sill, a bedroom, or living room. Crafts are better when you share them with others!

See bugs in action

Supplies Needed

- Green space-- house yard or nearby park
- Adult Supervision

Activity

- Go to an outdoor space where bugs live.
- Find, watch, and identify three bugs.

Verbal Instructions: Can you find at least three bugs? Watch the bugs to see where they go. Can you guess what they are doing and why they are doing it?

Bonus Fun! Do you know bugs have common names and scientific names? Try to identify them and their names using Bug Finder.

<https://www.insectidentification.org/bugfinder-start.asp>

Explore bug homes

Supplies Needed

- Computer with internet access, drawing paper, pencil
- Adult supervision

Activity

- Watch a timelapse of a caterpillars transition to a butterfly. Thanks to [National Geographic Youtube Page](https://youtu.be/kVm5k99PnBk). <https://youtu.be/kVm5k99PnBk>
- Draw the caterpillar in each cycle of its life. Draw the caterpillar's cocoon. Use your imagination to draw the inside of the cocoon as it transforms!

Take a bug field trip

Supplies Needed

- Computer with internet access
- Adult supervision

Activity

A virtual field trip! Many zoos and museums across the world live stream their animals for the world to see. Follow the following links to visit different locations with bug cams. Using google map to show children where the cam is located in contrast to where you live.

- Houston Zoo, Houston ,TX <https://www.houstonzoo.org/explore/webcams/>
- Florida Museum of Natural History, Gainesville, FL <https://www.floridamuseum.ufl.edu/exhibits/butterfly-rainforest/canopy-cam/>
- The Swarm Exchange, Buchloe, Germany <https://explore.org/livecams/honey-bees/honey-bee-hive-cam>

Bonus Fun! Look at the information provided on each site. The Swarm Exchange offers maps, photos, and even weather of the local area. The Houston Zoo offers more videos than just ants! Check out the other animals as well.