

WHAT ARE WE INVESTIGATING?

Can you build a habitat for your favorite stuffed animal or figurine?

MATERIALS:

- Stuffed Animal/Animal Figurine
- Cardboard
- Cotton Balls
- Popsicle Sticks
- Aluminum Foil
- Plastic Wrap
- Craft Sticks
- Paper
- Markers/Crayons
- Vinegar
- Strive Academy's Engineering Design Process Handout (found at www.striveacademy.org)
- Pencil or Pen

EXTENSION:

- * Google some different animals and their habitats and choose another animal to build a habitat for.
- * Try to use different materials to build a habitat out of. Use play doh or legos or some other building material.
- * Add some math - measure each area of your habitat.

DIRECTIONS:

1. Gather all of your materials. Our materials are just suggestions - feel free to add other things too!
2. On your handout (found at www.striveacademy.org), fill in the title of your experiment (Build A Habitat).
3. On your handout, fill in your hypothesis. You want to answer the question: What would my animal's habitat need in it for my animal to survive? (Make a list). Feel free to make the habitat realistic or imaginative.
4. On your handout, sketch a design of your animal's habitat. You can be as creative as you want. Feel free to use color!
5. Using your materials, build a habitat for your animal or figurine. Be creative - it's always fun to add some real ideas mixed in with some unrealistic ideas!
6. Under "Data Collection/Observation", draw a picture of what your animal's habitat actually looks like when you are finished. Feel free to use color!
7. Under "Results", write how each part of your habitat would be helpful or necessary (or just fun) for your animal.
8. Answer the "Analysis" questions on your handout:
 - Which material was the best for building your habitat? Why?
 - Which material made it difficult to build your habitat? Why?
 - What is your favorite part of your animal's habitat that you created? Why?

**** Try the extension activities on the first page for more fun! ****