

"The Secret Lives of Wildlife" ENGINEER-A-WILD-CREATURE CHALLENGE!



Try this STEM in nature challenge
and engineer your own wild creature!

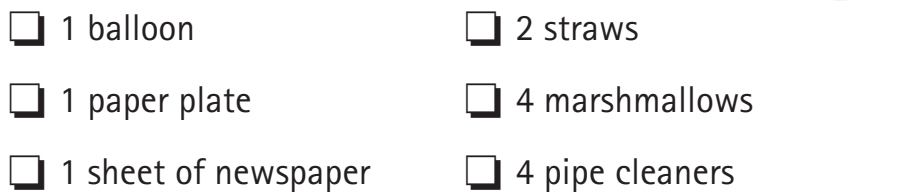


Enjoy the wildlife at the U.S. Department of Energy Office of Legacy Management's Fernald Preserve, Ohio, Site as captured in "**The Secret Lives of Wildlife Movie**" found [here](#)! A key to the animals in the movie is found [here](#)!

Choose two or three of your favorite animals and learn more about them. Research their behavior, habitat, size, lifespan, and adaptations. This activity may be conducted independently, as a competition with peers, or as a team challenge.

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Engineer-a-Wild-Creature Challenge:

1 Create a model of a new wild creature using characteristics of the real animals you have researched. Use **ONLY** the following materials:

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|--|---|---|
| <input type="checkbox"/> 1 balloon | <input type="checkbox"/> 2 straws | <input type="checkbox"/> 6 mailing labels |
| <input type="checkbox"/> 1 paper plate | <input type="checkbox"/> 4 marshmallows | <input type="checkbox"/> 8 paper clips |
| <input type="checkbox"/> 1 sheet of newspaper | <input type="checkbox"/> 4 pipe cleaners | <input type="checkbox"/> Markers |
| <input type="checkbox"/> 12x12 piece of foil | <input type="checkbox"/> 4 rubber bands | <input type="checkbox"/> Scissors |
| <input type="checkbox"/> 18 in (45 cm) piece of string | <input type="checkbox"/> 4 sheets of construction paper | |
| <input type="checkbox"/> 1 paper cup | <input type="checkbox"/> 4 toothpicks | |
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2 Take a picture of your newly engineered creature and write a short story about your newly engineered animal. You must include:

- A name for your new animal.
- Its habitat.
- Everything it needs to survive, including its diet.
- Why you think this new animal developed this way.
- Be sure to include two or more amazing facts about your creation.

3 To share your project with a Fernald Preserve naturalist, please send a picture of your new animal, along with your short story to: Fernald@lm.doe.gov. In the subject line please write – "Wildlife Movie STEM Challenge."

My Creature

