



Activity Booklet

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A Little about our Science Dino of 2021...

Our prehistoric lab assistant this year is Riley the Rahonavis. Rahonavis lived on the land that is now Madagascar when dinosaurs roamed the Earth. They had many colorful feathers! Riley's favorite pastimes include studying physics and experimenting with kites and anything that flies!



More information about Rahonavis:

- <https://kids.kiddle.co/Rahonavis>
<http://www.prehistoric-wildlife.com/species/r/rahonavis.html>
<https://dinosaurpictures.org/Rahonavis-pictures>



Bird Feeder

(Biology)

Description:

How can we learn about what birds live in our area? One way is to set out a bird feeder and observe the birds that stop by. This is a great way to learn how birds behave in their natural habitat. It also helps to keep a record of the birds you see. This way you can engage with the science community by reporting your observations to a citizen science project like Nature's Notebook!

Materials:

- Glass Jar
- Wooden Spoon
- Tape
- Ribbon (2 to 3 feet)
- Bird Seed
- Bird Log (on next page)



Directions:

- 1) Tape a wooden spoon to a glass jar with the bowl of the spoon sticking out over the opening of the jar.
- 2) For a way to hang your bird feeder, tie one end of a ribbon around the top of the jar and tie the other end of the ribbon around the bottom of the jar. You may want to tape the ribbon in place.
- 3) Put a small amount of bird seed in the jar.
- 4) Hang up your feeder and wait for birds! Draw pictures of the birds you see. Try doing some research to see if you can identify them.

Additional Resources:

- <https://www.diy-masters.com/diy-bird-feeders-3-easy-and-original-ideas-to-make/>
- https://www.usanpn.org/natures_notebook

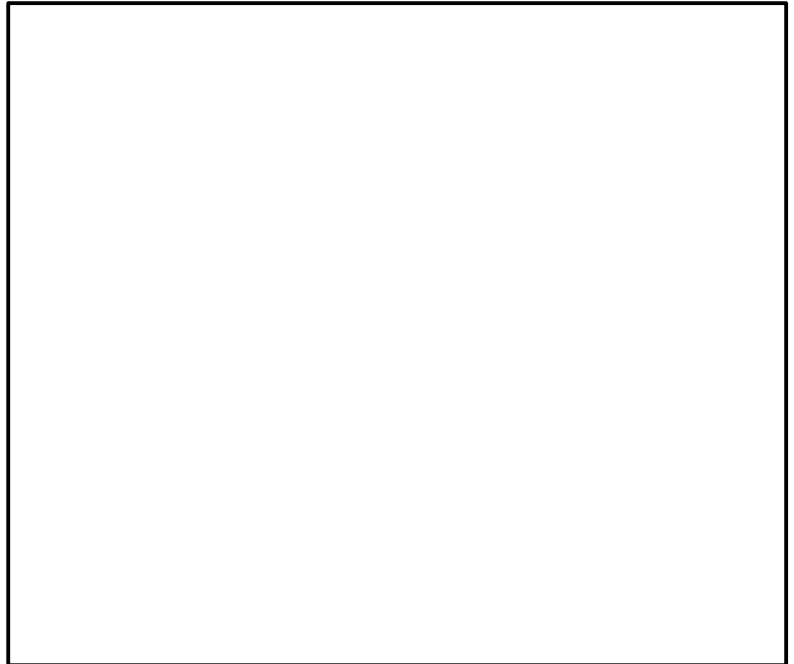


Bird Log

Date _____

Time _____

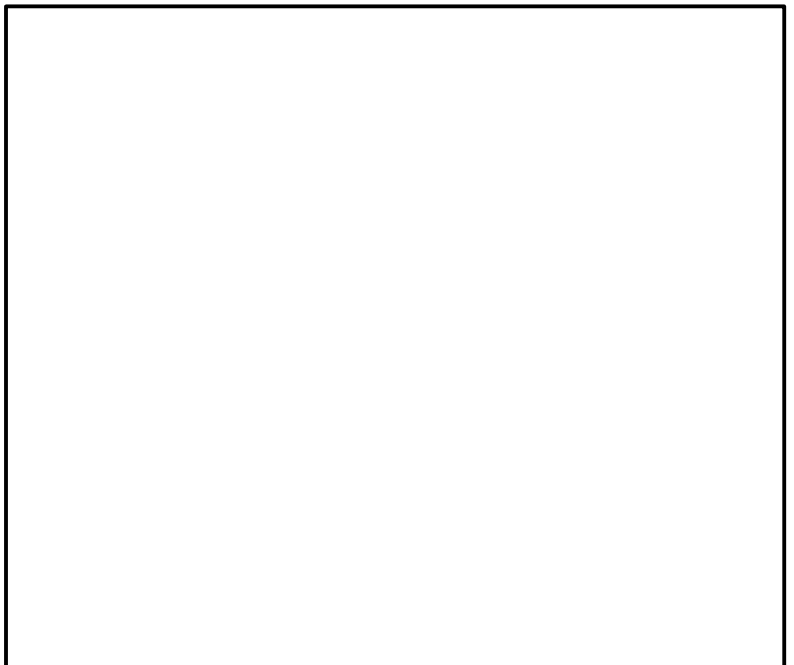
Description _____



Date _____

Time _____

Description _____



Bug Rock

(Biology)

Description:

Bugs like to live under rocks where it is cool, wet, and safe. Bugs are important. Many like to eat old things like fallen leaves, which help turn them back into soil that new plants can use to grow. Many bugs also pollinate flowers which help new plants grow. Let's paint a rock to look like a bug!

Materials:

- Rock
- Paint
- Paint Brush
- Cup of water
- Paper Towels
- Optional: Googly Eyes



Directions:

- 1) Pick a bug to paint. Try finding a bug in your backyard or looking up pictures of bugs that live near you. You can also make up your own bug!
- 2) Paint your rock to make it look like the bug you chose.
- 3) Keep your rock inside or put it outside in your yard or somewhere in your neighborhood. You might get bugs living under your bug rock!

Additional Resources:

- <https://www.seewhatgrows.org/kids-guide-beneficial-bugs-garden/>



Sea Creature Kite

(Biology and Physics)

Description:

Have you ever wondered how kites fly? When wind blows against the kite, the kite is pushed up. There are currents of air always blowing in the sky just like there are currents of water always flowing in the ocean. We can make sea creatures that swim in the sky!

Materials:

- Kite Template (next pages)
- Crayons
- Scissors
- Yarn or String
(2 pieces, 1 ½ feet each)
- 2 Popsicle Sticks
- Tape
- Kite String
- Streamers



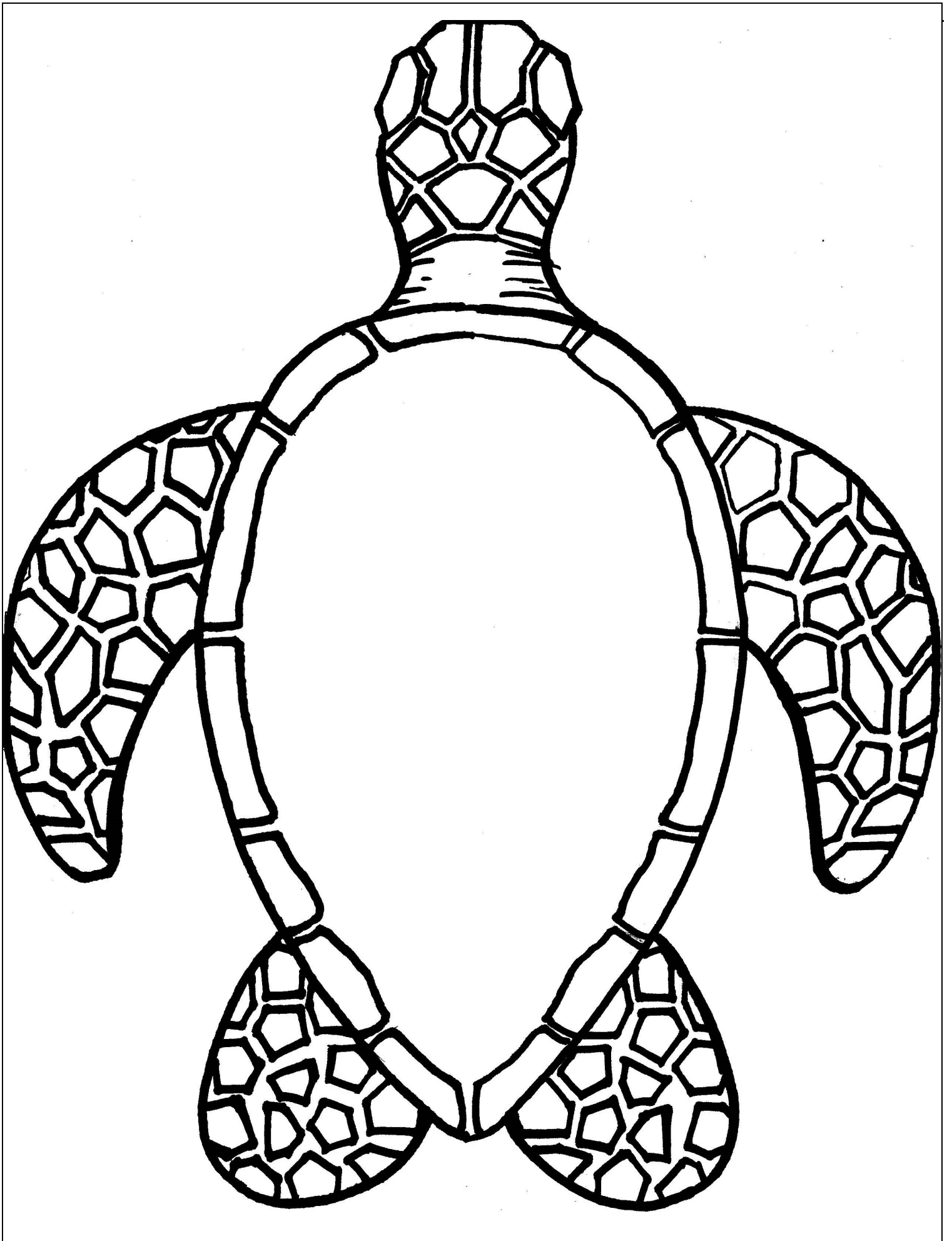
Directions:

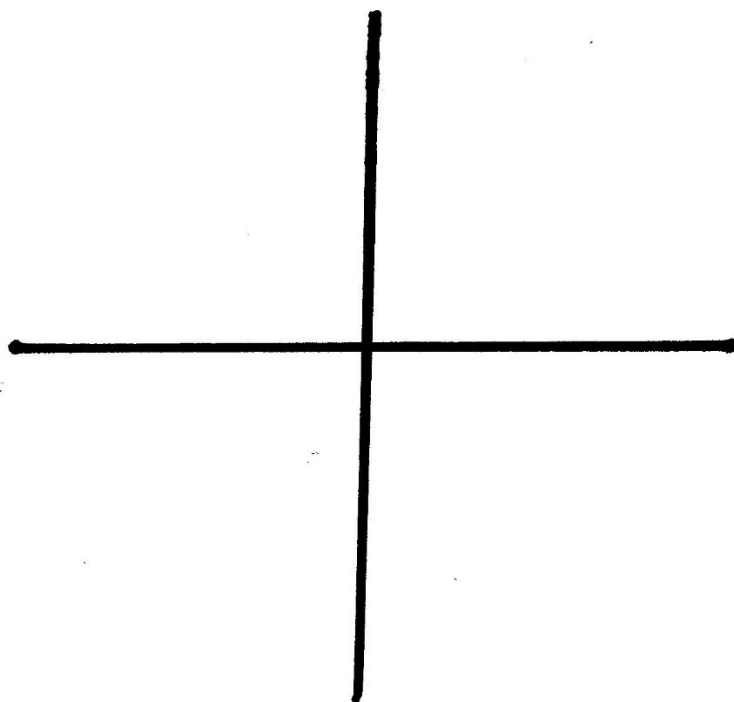
- 1) Pick a kite template and color it. Then cut it out.
- 2) Tie the ends of a piece of yarn or string to the ends of a popsicle stick.
- 3) Tape the popsicle stick to the back of the kite on the indicated lines.
- 4) Repeat steps 2 and 3 with a second piece of yarn or string and a second popsicle stick. Be sure to tape the second stick under the string attached to the first stick so they are both loose.
- 5) Tie the two strings attached to the popsicle sticks together with the kite string.
- 6) Decorate with streamers then it is time to fly!

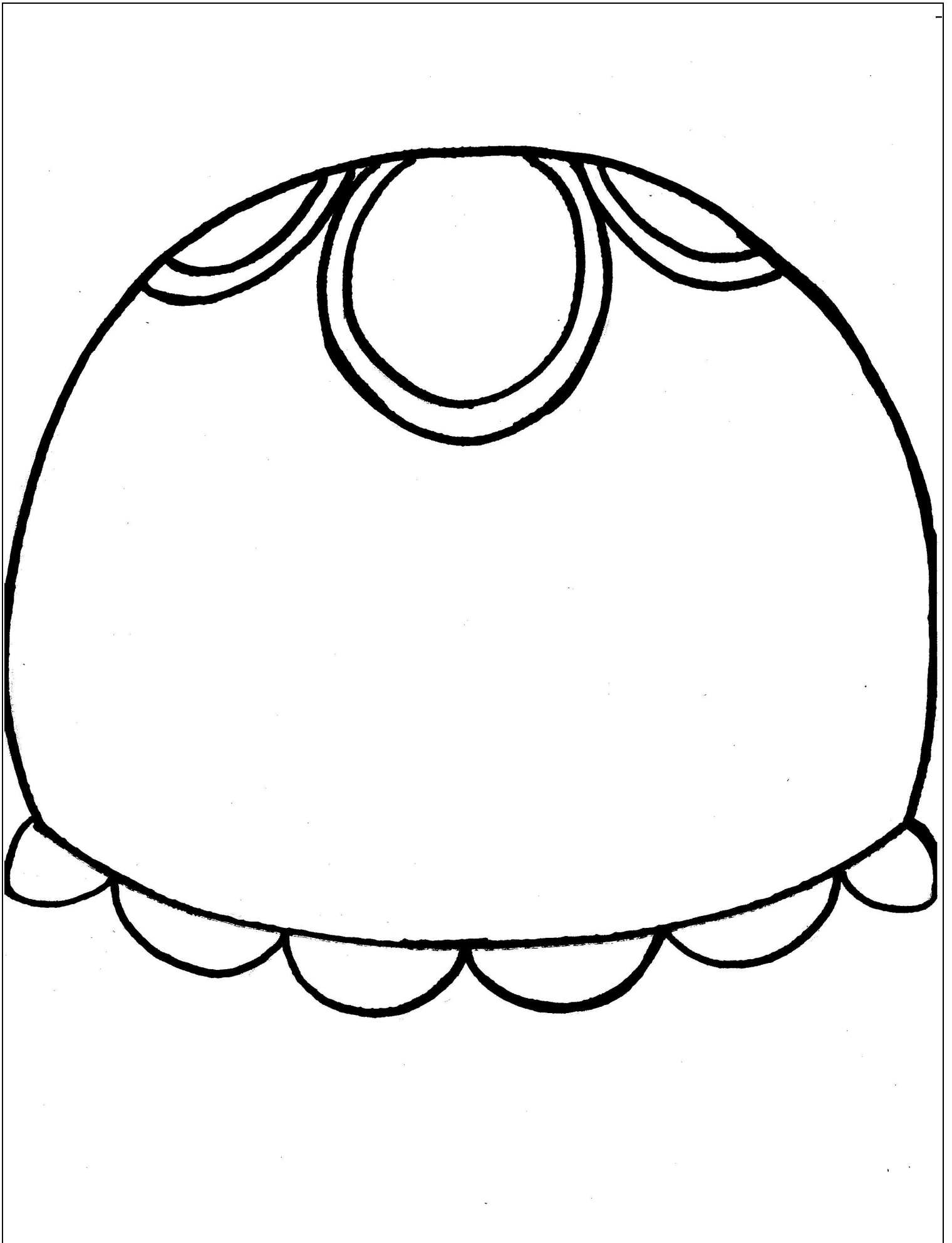
Additional Resources:

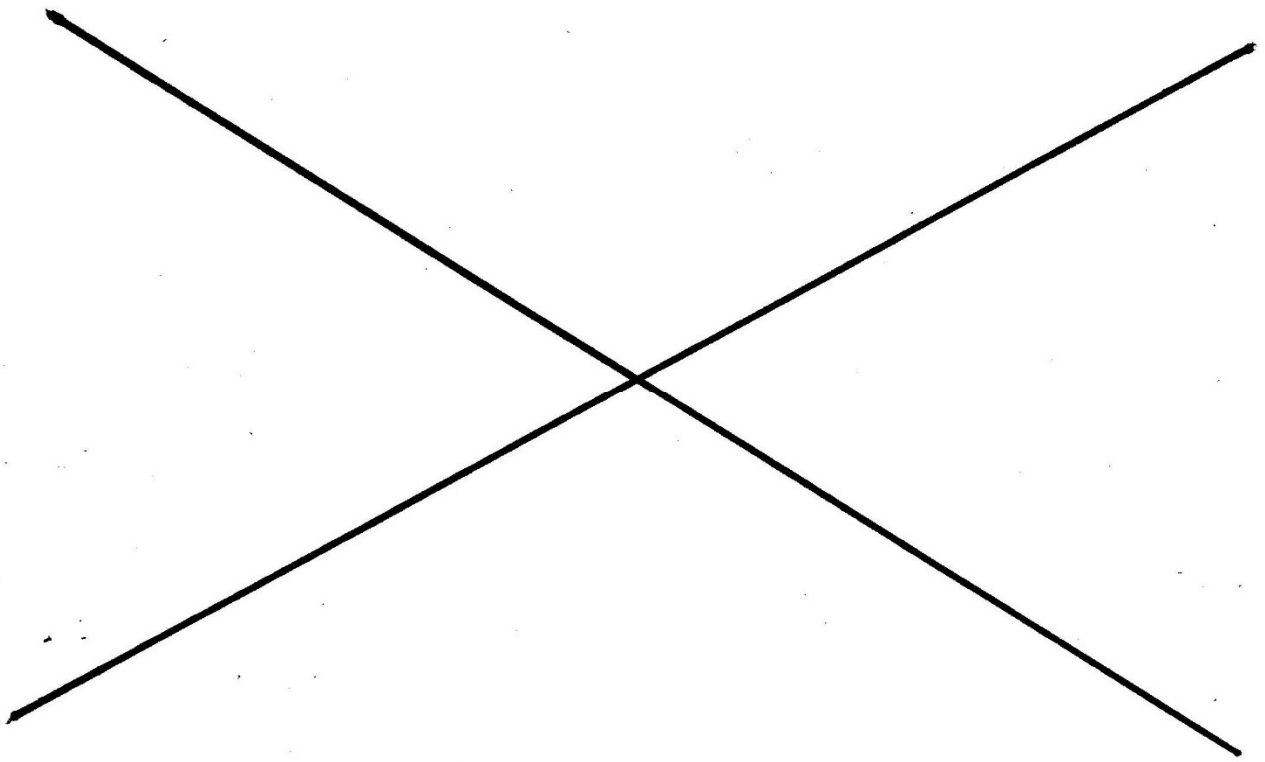
- <https://www.nickelodeonparents.com/easy-diy-spongebob-jellyfish-kite/>









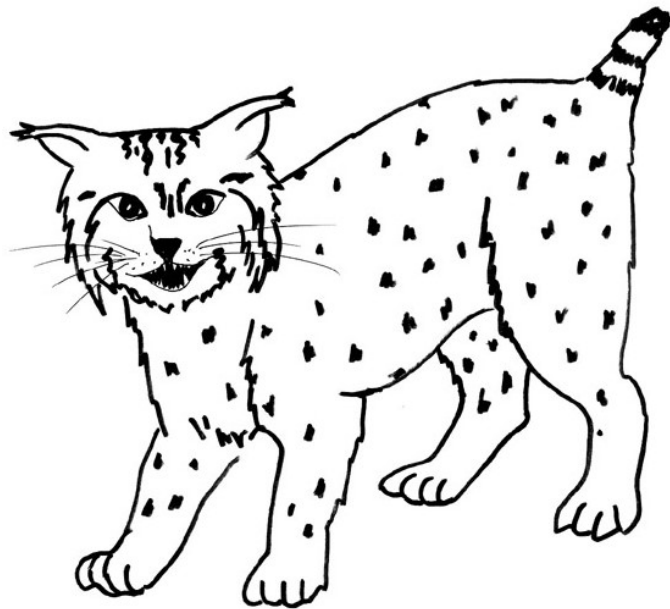


Wanda and Friends

(Ecology)

Description:

What animals could you see if you went to a park in Lynchburg? Meet the Randolph College mascot Wanda Wildcat and her friends!



Materials:

- Coloring Pages
- Crayons

Directions:

- 1) Read the coloring pages to learn about different animals living in the Lynchburg area.
- 2) Color in the animals!
- 3) Think about where the animal lives and what it eats.
- 4) Draw these things around the animal.

Additional Resources:

- <https://kids.nationalgeographic.com/animals/mammals/facts/bobcat>
- <https://a-z-animals.com/animals/bobcat/>
- <https://www.theanimalfacts.com/mammals/bobcat/>
- http://www.biokids.umich.edu/critters/Plestiodon_fasciatus/



Author's Note:

Thank you so much for spending time looking through this booklet! Stay tuned to <http://randolphscience.org/> for updated event information, video resources, and more. We have really enjoyed compiling these activities and look forward to seeing everyone at the next Randolph College Science Festival!

Our Best Wishes,

- Hailey (Physics) and Paige (Chemistry and Environmental Science)*
- Little Scientists 2021 Interns*

