For Teens!

Color me in!

Polar DinoFest Online
This Activity Book is yours to use however you’d like! Complete all of the pages or just a few. Draw and write all over it.

DinoFest is a celebration of all things dinosaur at NHMU. Visit the virtual fun at https://nhmu.utah.edu/polar-dinofest

1. Find a rubber band and pencil, or another thin, firm object (like a stick). Make sure the pages are together and the holes are lined up.

2. Put one end of the rubber band around the pencil. Thread the other end of the band through one of the holes on the front.

3. From the back, thread the rubber end through the other hole on the front. Adjust the pencil to make a nice, bound edge for your activity book.

4. Decorate your book with crayons, markers, or pens. Fill it out and learn something new along the way!
Build Your Own Dinosaur

Need: Any Materials Around the House!

Instructions

1. Find a dinosaur to use as a reference

2. Collect materials such as:
   - old cans
   - ribbons
   - hot glue
   - paper plates
   - sticks
   - markers
   - feathers
   - tape

3. Sketch out a design to build a dinosaur out of your materials

4. Follow your sketch and reference and attach the pieces of your dinosaur (with the tape, hot glue, etc.)

5. See the back cover for ideas of how to share your dinosaur with others!

Here’s an example! This is based off of a Cryolophosaurus from the Antarctic Dinosaurs Exhibit!
Carrie Levitt-Bussian is the Paleontology Collections Manager at the Natural History Museum of Utah.

Can you tell us about your research?
I study histology, which is the study of microstructure. So I analyze the microstructure of the bone tissues of fossils. It functions similar to how tree rings are studied to learn about the life of a tree. We can understand more information about the dinosaur’s life such as its age, and the environment it lived in by looking inside the bone.

Why did you decide to go into paleontology?
I have always been interested in science. But when I was 12, I had a life-changing moment when I went to The Mammoth Site in Hot Springs, South Dakota and that was my first encounter with fossils. I met the head paleontologist there and he answered all of my questions. And then, when I was 14, I was invited on a mammoth excavation. From then on, I was hooked.

What did you study in school?
I studied geology with an emphasis on paleontology for my undergraduate degree, and geology and geophysics for my Masters degree.

How many fossil specimens are in the collections at NHMU?
There are about 65,000 fossil specimens in the collection. This includes vertebrates, invertebrates and paleobotany (plant) fossils. I serve as the “librarian” for this collection!

Have you ever wanted to go to Antarctica to do research?
YES I REALLY DO! We all want to be invited to go to Antarctica. Will do free fossil labor.
Dinosaur in Different Languages

The word “dinosaur” may look a little different across the world, but the idea is the same. We can be united, despite language barriers, by our interest and excitement in prehistoric life. Try practicing how to say dinosaur in different languages.
Arctic Dino Facts

**Glacialisaurus**
- Name meaning: “Icy or Frozen Lizard”
- Height: 7 ft
- Length: 22 ft
- Herbivore

**Cryolophosaurus**
- Name meaning: “Cold Crested Lizard”
- Height: 8 feet
- Length: 24 feet
- Carnivore

**Antarctopelta**
- Name meaning: “Antarctic Shield”
- Height: 4 feet
- Length: 13 feet
- Herbivore

Word Search

Can you find these challenging polar dinosaur related words? Can you guess which ones are dinosaur species? Look them up after you’re done!
MAKE YOUR OWN
Dinosaur Track Cookies

What you'll need:
- 1 cup butter softened
- 1 cup sugar
- 1 egg
- 3 cups all purpose flour
- 1½ teaspoons baking powder
- ½ teaspoon salt
- 1 tablespoon cocoa powder

Makes: 45 cookies
Cook time: 7 minutes
Chill time: 1 hour

1. In a large bowl, cream butter and sugar until light and fluffy. Add egg and vanilla and beat until combined.
2. In a medium bowl, combine flour, baking powder, and salt. Slowly beat into butter mixture.
3. Place dough in center of a sheet of plastic wrap with about a 2-inch diameter and shape into log. Wrap tightly and chill 1 hour.
4. Preheat oven to 350 degrees F. Cut dough into 1/4-inch slices and place on baking sheets. Press a dinosaur toy foot into each cookie. Brush imprint of foot with cocoa powder.
5. Bake 7 to 9 minutes, or until golden around edges. Remove to a wire rack to cool.
Write or draw everything you learn during DinoFest. Or simply record your favorite things about dinosaurs!

**DinoBite Take-Away!**

Talk: ____________________________________________

Speaker: _________________________________________

Notes: ___________________________________________
My Dino Journal

DinoBite Take-Away!
- Talk:
- Speaker:
- Notes:
Ideas for How to Share:

1. Post your Activities with #DinoFest and #NHMU so others online can see them.
2. Send a DinoBite Video link or other DinoFest content to a friend or family member.
3. Research a favorite dinosaur and share what you learned with someone.
4. Visit the Antarctic Dinosaurs exhibit at the Museum and discuss something you found interesting.

This activity book was created by: Caelen, Alex, Hazel, Elinor, Clare, Delaney

For more information about NHMU's paid high school internship program, visit: https://nhmu.utah.edu/teenexplainers

Write a fact about your favorite dino here: