

Eland Clicking Qraqebs



Engage and Reflect

Watch *Virtual Vitamin Z - Discover More About Common Elands*

https://www.youtube.com/watch?v=cIXor_qFZG8



Skills

- Creativity
- Fine motor
- Recognize and create musical patterns



Visual Arts

- Apply skills and knowledge to create in the arts.
- Understand, analyze, and describe the arts in their historical, social and cultural contexts.

NGSS Science and Engineering Practices

- Waves and their Applications in Technologies for Information Transfer
- Energy



Experience

- 15-20 minutes
- 1 or more people

Common elands have quite the click to their steps. Learn how male elands use their naturally occurring clicking knees to attract mates and fend off competition. Then, learn how to make your own clicking musical instrument, the qraqeb, using recycled materials. Use patterns to create a composition with your qraqeb and encourage others to figure out your pattern and recreate it on their own.



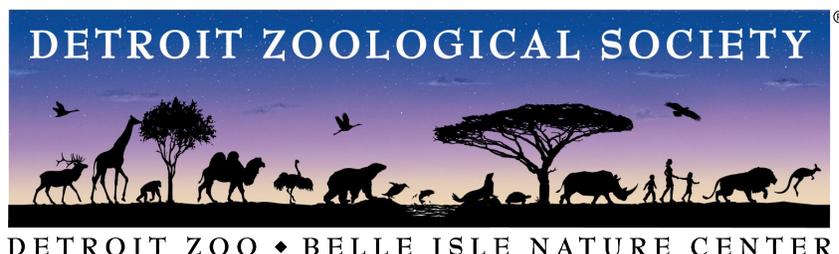
Celebrating and Saving Wildlife

The Detroit Zoological Society works hard to ensure each individual animal in our care is thriving, not just surviving. The Detroit Zoo and Belle Isle Nature Center provide spacious and complex habitats for animals to have room to roam and engage in natural behaviors all year long. We routinely study how the animals are using their habitats throughout different seasons and make adjustments. Keeping the animals both comfortable and stimulated is part of ensuring great welfare.

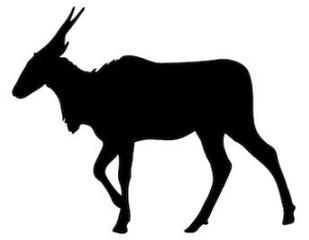


Take Action

Extreme heat and dry spells can be stressful times for wild animals living in your neighborhood. Become an animal caretaker and provide spaces cooled down by sprinklers. Provide fresh water and a chance to swim for small birds by placing a small water fountain in your backyard or front yard.



Eland Clicking Qraqebs



Tools

A strip of cardboard
Two metal bottle caps
Glue

1 or more people

Directions

- Cut out a strip of cardboard that is about 8 inches long and 3 inches wide.
- Fold the cardboard in half.
- Using a glue gun or extra strength glue, glue the bottle caps face up on either side of the cardboard. (Bottle caps should be directly touching each other when cardboard is folded.)
- Optional:
 - Use coloring materials like paints or markers to decorate the cardboard for a more festive qraqebs.
 - Add embellishments like the horns of the eland.
- When you clap your qraqeb, a clicking sound is made. This sound is similar to the noise male Elands make when moving their knees.
- Now you are ready to begin making music! Can you clap fast? Slow? How does the strength of your clap affect the sound produced? Can you use your qraqebs to recreate a familiar sound?
- Play with a partner; compose an original tune, then ask them to recreate the same tune from memory.

Notes - When using hot glue guns, make sure to have adult help and supervision.

Explore how different materials make different sounds. What happens when you glue two rocks? Two plastic bottle caps? What happens when you glue something soft like cotton balls?

