

# Living Coast Discovery Center Field Trip Resource Packet

## Slithering Snakes

In this packet you will find lessons and resources related to your Living Coast field trip. The first two activities are intended to bookend your trip, followed by additional resources.

### **Career Focus:** Herpetologist

I study reptiles and amphibians such as snakes, turtles, iguanas and more. I study their behavior, development, genetics and distributions to better understand their ecosystem, the role they play in it, and the challenges they face. I also determine or assess potential threats from pollution, invasive species, disease and other factors.

### **Table of Contents**

Snake Booklet.....	2
Snake Jaw Craft.....	5

### **Other Resources**

Camouflage Coloring Page.....	7
Silly Snake Song.....	9
Helpful Links.....	11

# Snake Booklet

## Lesson Objectives:

- Students will be able to demonstrate how a snake moves
- Students will be able to identify what body parts a snake uses to move

## Standards:

- K-ESS3-1. Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.
- K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive.

## Materials:

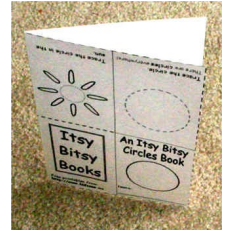
- Snake Booklet Printouts
- Crayons
- Scissors

## Outline:

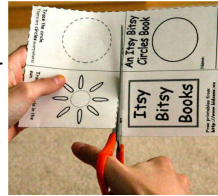
Use the teacher's copy of the booklet for a read-aloud, then have the students color and assemble their own copies!

## Booklet Folding Instructions:

1. Cut around the outside dotted line
2. Fold in half along the center solid line, so you can read the words



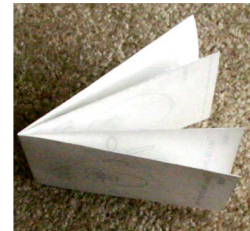
3. Cut along dotted line in the center



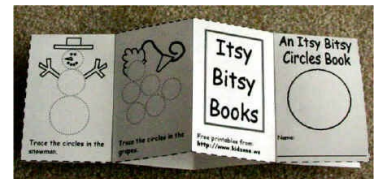
4. Fold in each side in half along solid lines to make a "fan fold"



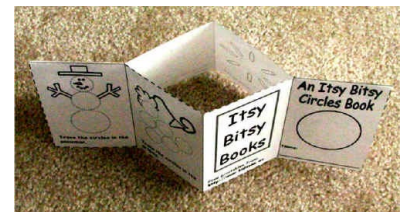
5. Fold in half to crease, then unfold everything



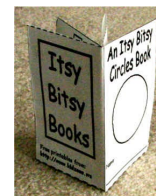
6. Fold in half lengthwise, with images out



7. Hold each end of the booklet and push together



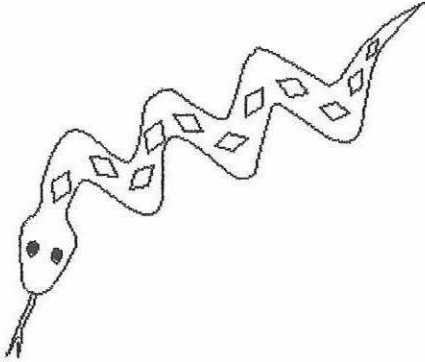
8. Crease firmly



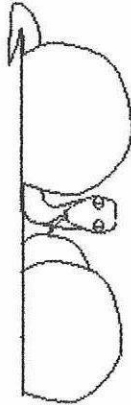
Snakes hiss.



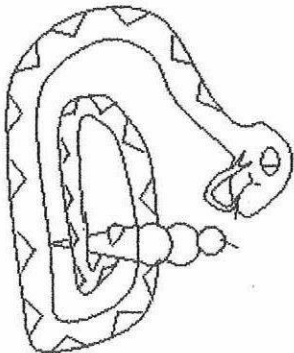
Snakes slither.



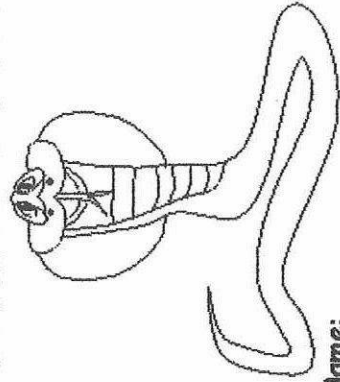
Snakes hide.



Snakes eat.



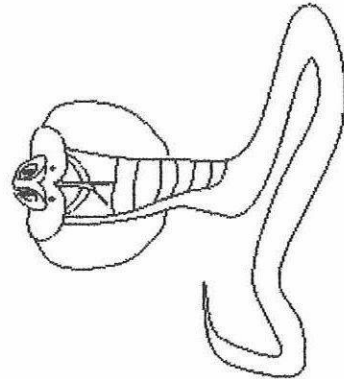
# My Itsy Bitsy Snake Book



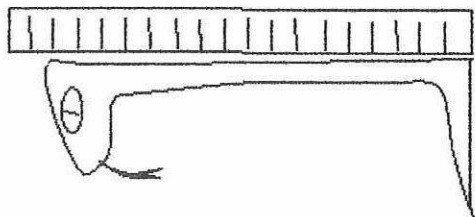
Name: \_\_\_\_\_

**KidZone.ws**  
**Itsy Bitsy Books**

Free printables from:  
<http://www.kidzone.ws>



Snakes are cool!  
His-s-s-s!



Snakes grow.

# Snake Jaw Craft

## Lesson Objectives:

- Students will be able to describe the adaptations a snake's jaws have that help a snake eat large prey

## Standards:

- K-ESS3-1. Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.
- K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive.

## Materials:

- Paper plates
- Stapler
- Scissors
- Straws cut into 1" pieces (optional)
- Rubber bands

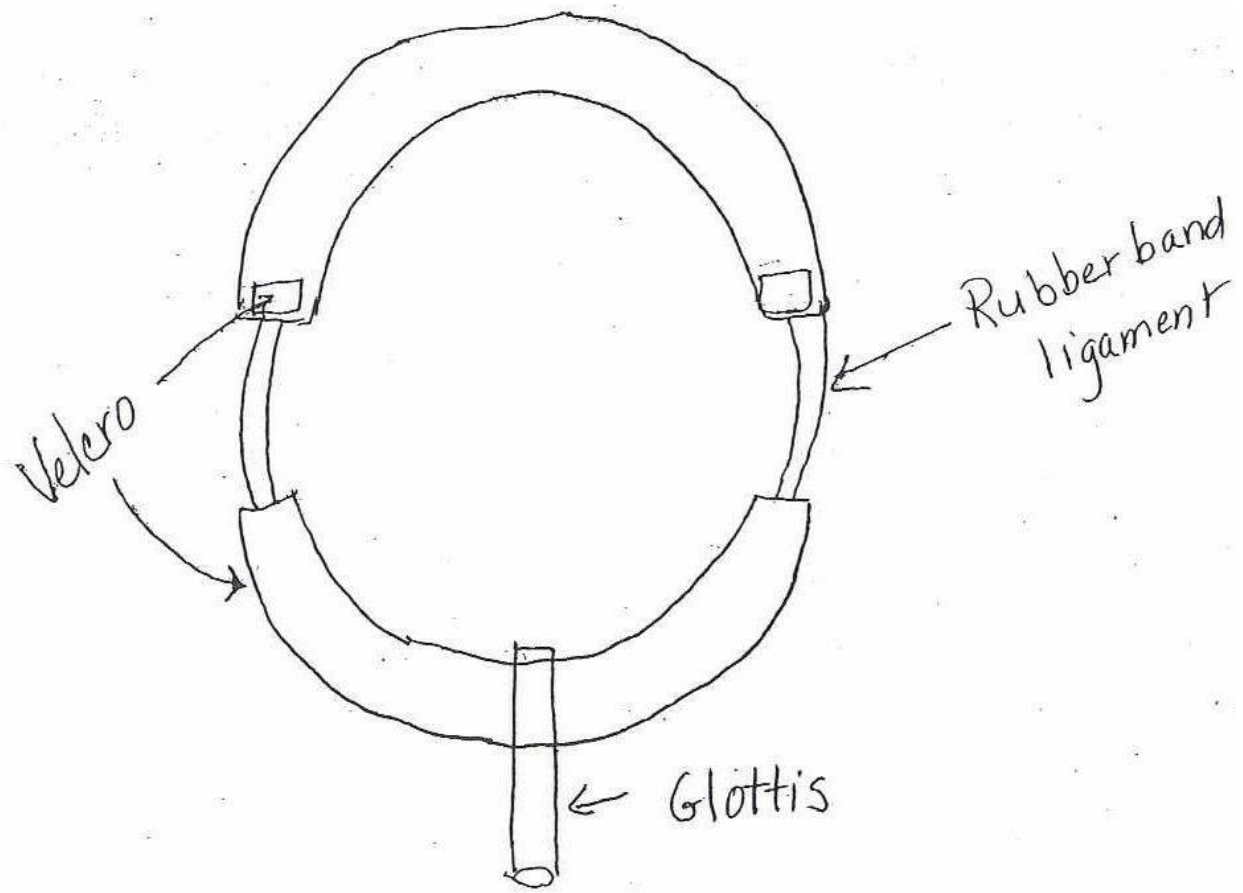
## Outline:

Discuss the field trip – favorite moments, cool facts they learned, etc. Ask students what they learned about what snakes eat – mice! And snakes don't take bites of their food like we do, they can swallow it whole!

This craft demonstrates how a snake's jaws enable them to eat prey larger than their head! There is a common misconception that snakes dislocate their jaws to eat; in reality, snakes have stretchy ligaments that connect their top and bottom jaw that allow them to open their mouth very wide.

To make the snake jaws:

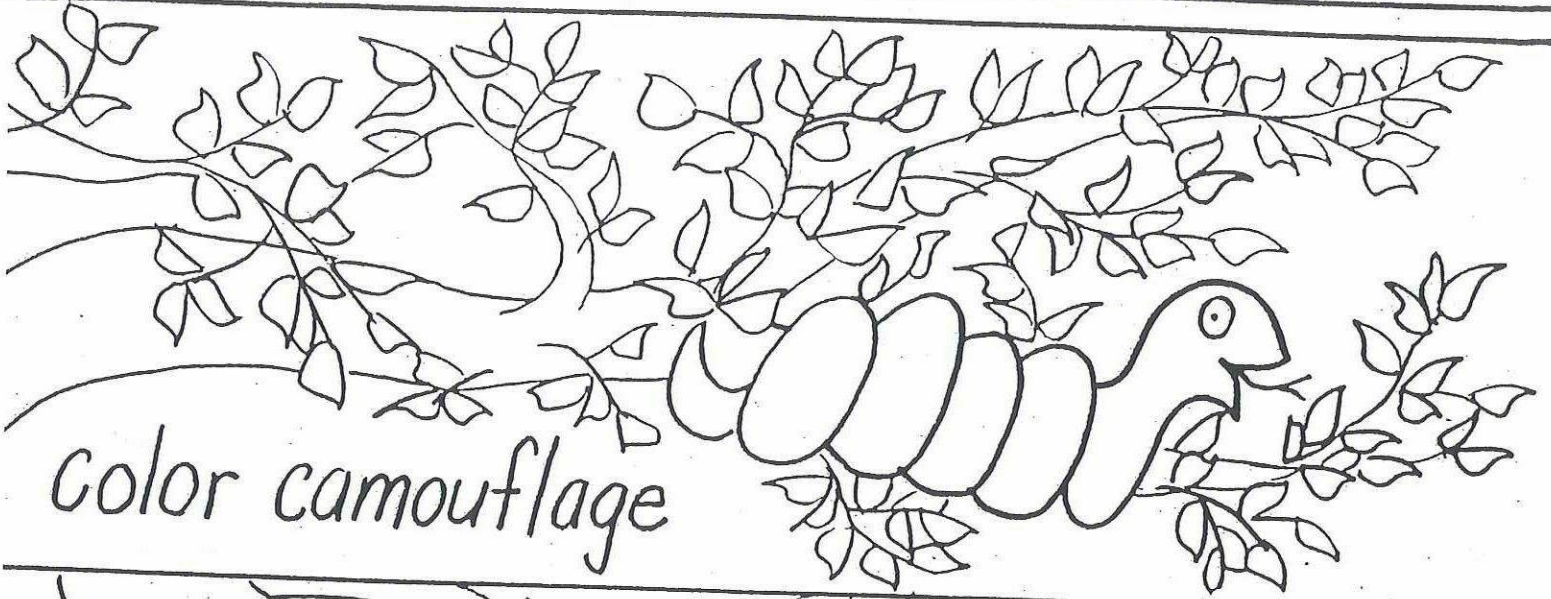
1. Cut a paper plate in half
2. Cut out the flat part, leaving the rim (these are the upper and lower jaws)
3. Cut 2 rubber bands (these are the ligaments)
4. Staple the jaws together, using one rubber band on either side
5. Put Velcro on each side to hold the jaws together. The rubber band ligaments will fold behind each side
6. Staple a 1" piece of a straw to the bottom jaw. This is the glottis, which allows the snake to breathe while swallowing its prey.
7. Open and close the jaws to mimic a snake swallowing its prey



# Camouflage Coloring Page

Use these to introduce the idea of camouflage – many animals have colors and patterns that help them blend into their environment so they can hide from predators. Color the habitats and make sure the snakes can camouflage!

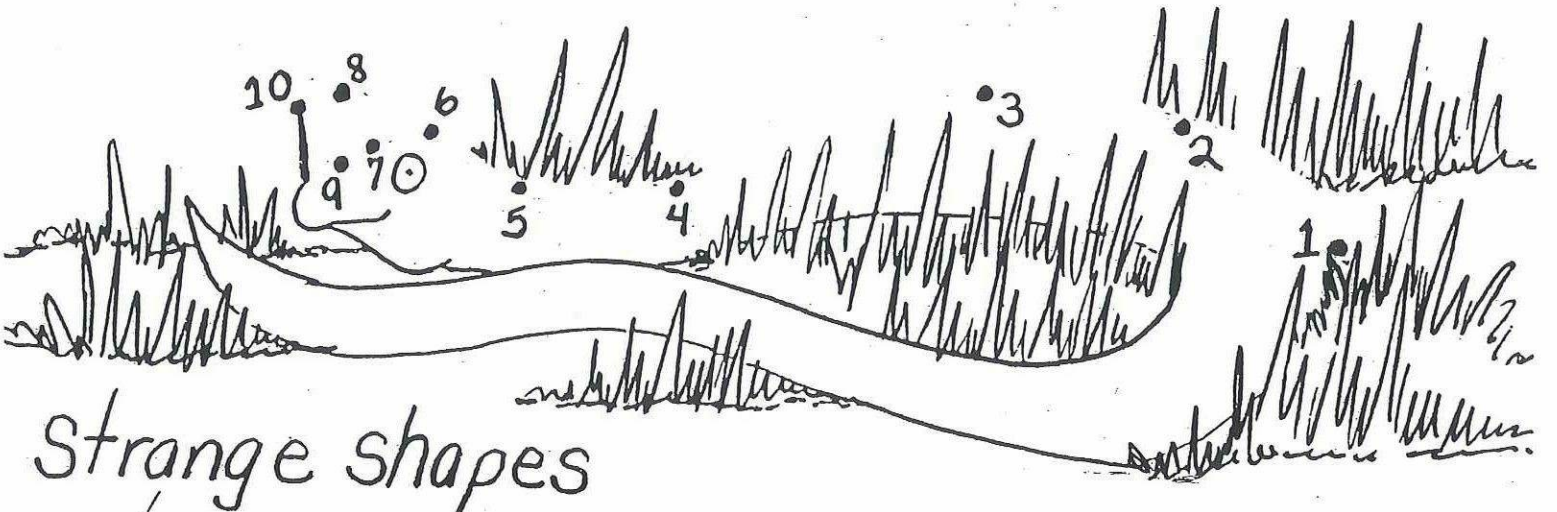
Color the snakes below in a way that hides them in their environment.



color camouflage



pattern camouflage



Strange shapes





# Silly Snake Song

Sing this silly snake songs. You can also remind your students of the venomous/constrictor charade from the field trip.

## A Silly Slippery Snake

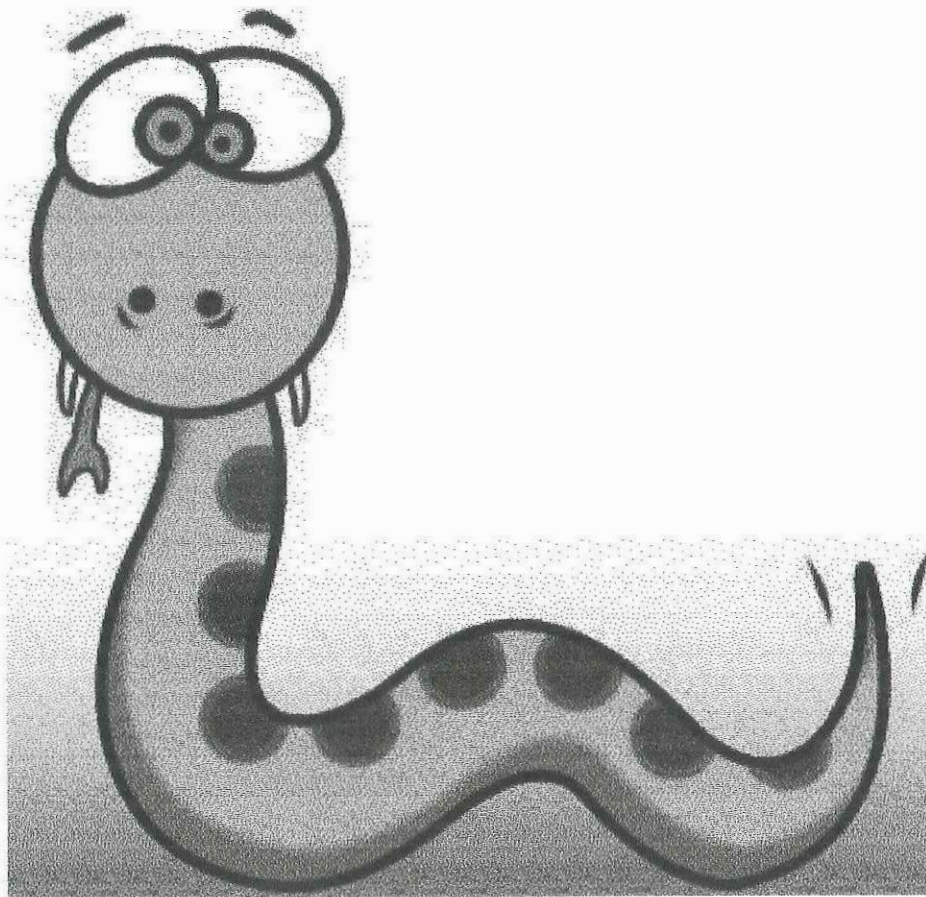
(Tune of "If You're Happy and You Know It")

**Oh, I wish I was a silly, slippery snake.**

**Oh, I wish I was a silly, slippery snake.**

**Oh I'd slither across the floor and I'd slip under  
the door**

**Oh, I wish I was a silly, slippery snake.**



## Helpful Links

Look through the animal list from the San Diego Zoo and find information about all their snakes!

[https://kids.sandiegozoo.org/animals?field\\_animal\\_type\\_target\\_id=3](https://kids.sandiegozoo.org/animals?field_animal_type_target_id=3)

Collection of snake videos from PBS

<https://www.pbslearningmedia.org/resource/1b912fad-d5f7-47c7-9110-b713db6bafa0/snakes-science-trek/>

True or not snake video

<https://www.youtube.com/watch?v=BKH1TZ8Z1Q>