



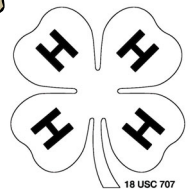
# Dinosaurs

## Hendricks County Mini 4-H



Developed by:

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# Mini 4-H Parent's Page

We welcome you and your child to the Mini 4-H program. Mini 4-H is for youth who are in either first or second grade during the current 4-H year. Mini 4-H is designed to supplement and introduce both first and second graders to the Hendricks County 4-H program.

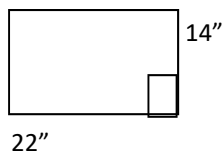
As a Mini 4-H parent, your job is to guide your child through the activities. It is suggested that you do not complete the activities for them. Instead, help them, guide them, work with them, and let them do all that they possibly can. Learning by doing is the best educational tool that we can provide for our youth.

Additionally, the Mini 4-H program is set up to allow your child to exhibit a project at the 4-H Fair. This project is based on information within this manual. The 4-H Fair is an exciting time for 4-H members and families. It is a week that allows community youth to showcase their talents, interests and enthusiasm for learning.

Mini 4-H is fun! Your child will certainly enjoy it. You can have fun too, by guiding and helping as your child participates in the program. Encourage and praise your child as he/she has fun learning and sharing with you.

## Rules

1. Mini 4-H is open to any youth who is enrolled in either the first or second grade on January 1st of the current year.
2. Any Mini 4-H participant may enroll in one (1) or two (2) projects. There are 16 projects to choose from. **Participants may exhibit only one (1) activity from a project book at the Hendricks County 4-H Fair (up to 2 projects total).** Additional activities can be done at home, but will not be exhibited.
3. It is encouraged that Mini 4-H participants enroll in the County Mini 4-H club, and their projects are done at home.
4. **ALL POSTER EXHIBITS MUST (NOTE: Not all Mini 4-H exhibits will be on a poster board):**
  - A. Have a solid, stiff backing, which is 14" high by 22" wide. This can be HEAVY cardboard or foam core board. The board must be able to stand by itself (Foam core board is available in the Extension Office for a minimal cost)
  - B. Be positioned HORIZONTALLY.
  - C. Have a total exhibit board no larger than 14" high by 22" wide.



**All youth will need to complete Enrollment via 4Honline and Fair Entry will need to be completed by July 1st of the current school year. Exhibit Tags will be ready the week before Fair. More information will be sent home as the Fair approaches.**

- D. Be COMPLETELY COVERED with CLEAR PLASTIC material. (Available in the Extension Office for a minimal cost.)
5. Mini 4-H participants will complete activities in the book. The Record Sheet located in the back of the project book needs to be completed and will be turned in with their exhibit at the Fair.

# Mini 4-Her's Page

Welcome to Mini 4-H! You are now a member of the 4-H family. You are a special person. Mini 4-Her's have a lot of fun! There are many activities for you to explore. You can try new things. You can share it with your friends and family. Mom, Dad, or another adult can help you with your project. Bring your project to the 4-H Fair and lots of people will be able to see what you have done. You also get a ribbon made just for 4-Her's.

Here a few things to know about 4-H.

The 4-H Symbol: A four-leaf clover with an "H" on each leaf

4-H Colors: Green and White

The 4-H Motto: "To make the best, better"

## 4-H PLEDGE

I pledge my **HEAD** to clearer thinking,

I promise to use my head to make good choices.

my **HEART** to greater loyalty,

I promise to use my heart to be a good friend.

My **HANDS** to larger service,

I promise to use my hands to do helpful things for others.

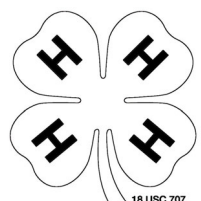
And my **HEALTH** to better living,

I promise to take care of my body and to show others to live in a healthy way.

For my club, my community,

I promise to help my group, my community,

My country, and my world



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# Dinosaur Activities

Do you like dinosaurs? Do you want to learn more about dinosaurs? Well, if your answer is yes, then this is the project for you! Dinosaurs lived long ago in a time when there were only plants and animals on the land. There were no people. It was a time that we know very little about, because there were no people around to remember it and tell stories about it to their children. The only way we know what went on at that time is that we can dig the soil and find the remains of the plants and animals that have not decayed or rotted.

Paleontologists are scientists that look for fossils that tell us about the past. Paleontologists have found fossils, not only of dinosaurs and plants, but of other kinds of animals. Most of these animals are extinct (no longer living) today. Lizards of today, crocodiles, turtles and whales look similar to animals that lived on Earth at the time of the dinosaurs.

This project will help you learn to read and follow directions, choose an activity, be neat and have fun.

## **Before you get started:**

- Pick an activity to do.
- Read the directions carefully.
- Make sure you have all of the needed materials.
- Clean up your work area and put your supplies away when you are finished.
  - Complete your Mini 4-H Book pages.
  - ENJOY!

## **Exhibit**

**First Grade:**

- Product from “Build a Dinosaur” or “Clay Fossils”
- Completed Record Sheet

**Second Grade:**

- Product from “Dinosaur Diorama” or “Fossil Prints”
- Completed Record Sheet

# Dinosaur Facts

Below you will find information about dinosaurs. This is only a small amount of information, so please go to your local or school library to check out books with more information. There are many great books available!

- Dinosaurs lived a very long time ago, before there were any people on earth.
- Paleontologists dig in the earth to find fossils. Fossils help us learn about the past.  
Fossils of dinosaurs have been found and studied.
- Fossils are any hardened remains or imprints of plant or animal life from long ago, preserved or saved in the earth's crust.
- Dinosaurs are extinct. That means they are no longer living on earth.
- Dinosaur bones and footprints show that some dinosaurs were very large, and other dinosaurs were small.
- Fossils also show that there were many different types of plants on earth when the dinosaurs were alive.
- Dinosaurs needed food (large dinosaurs needed a lot of food), air, and water each day to survive. If their needs were not met, they would die.
- Scientists do not know for certain why the dinosaurs became extinct, but there are many theories you can research or read about in books.
- There were two types of dinosaurs. Carnivores were dinosaurs that ate meat. Herbivores were dinosaurs that ate plants. Meat-eating dinosaurs had sharp teeth. Plant-eaters had flat teeth.
- Baby dinosaurs hatched from eggs. After they were born, they had to learn how to find food and water. They had to be careful. Larger dinosaurs and other animals such as saber-toothed tigers, huge bears and mastodons (which looked like an elephant), often ate the eggs or baby dinosaurs.

# First Grade

## Build a Dinosaur

### **Needed Materials:**

- Mix and Match Dinosaur paper page 12
- 8 1/2" X 11" paper, any color
- Dinosaur Heads paper page 13
- Dinosaur Tails paper page 15
- Dinosaur Body papers page 17 and page 19
- Dinosaur Feet papers page 21 and page 23
- Colored Pencils or crayons
- Scissors
- Glue
- Poster Board (see page 3)

### **Directions:**

Color dinosaur body parts.

Cut dinosaur heads, tails, feet and bodies out from pages 13—23.

Put dinosaurs together to match pictures on page 12. Mix and match as often as you wish.

When finished, make up your own dinosaur using paper parts you have cut apart.

Glue your dinosaur on to the 8 1/2" X 11" paper.

Write a story using the prompt on page 25.

Mount your dinosaur picture and the story on poster board (see page 11).

If planning to exhibit this option at the fair, be sure to add the information to FairEntry once the system opens. This will be used to print your exhibit tag for display at the fair.

# Clay Fossils

## **Needed Materials:**

- Modeling Clay
- Wax Paper
- Items such as shells, buttons, leaves, dry noodles, etc.
- 9" throw away plate

## **Directions:**

Roll clay into two balls and press 1 ball of clay flat and smooth (no larger than 9")

Place your items onto the clay. Make a few impressions .

Press the remaining ball of clay flat. Place it over the items on the first ball of clay. Press the two pieces of clay together gently to keep the clay from breaking. Press enough to make sure your clay molds (surrounds) the items inside.

Let the clay dry.

Carefully separate the two pieces of clay. You will have prints.

Place on 9" plate.

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# Second Grade

## Dinosaur Diorama

### **Needed Materials:**

- Shoe box (Those with attached lids work very well, but not necessary.)
- Miniature Dinosaurs ( You can also use dinosaurs that you have made or colored yourself.)
- Plants, rocks or any items to make your dinosaur's surroundings
- Construction Paper/ Computer Paper
- Markers or Water Based Paint (optional)
- Glue/Clay

### **Directions:**

Paint or cover your shoe box with paper.

Work from the back of the box to the front when decorating.

Draw or paint any background you would like, to make your dinosaur's home.

Add dinosaurs , plants, rocks , etc. to the inside of the box. They may need to be glued or secured with clay.

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# Fossil Prints

## Needed Materials:

- Plaster of Paris (found at craft stores)
- Vegetable Oil
- Paper Cups (large), if item is too large, use a large plastic butter tub.
- Paper Towel
- Plastic Spoon
- Shells, Plastic Dinosaurs (small), Clean Chicken Bones etc.
- 1 Tbsp. sand (optional) This can be mixed with 1 cup of plaster before adding water to make a rockier looking fossil.
- 9" throw away plate

## Directions:

Cover small shells or 1 dinosaur with oil. Place them in the bottom of a large paper cup.

Mix 1 part Plaster of Paris to 2 to 2 1/2 parts cold water in a paper cup. Stir until smooth.

Spoon plaster over shells/dinosaur covering them 1 1/2 inches . Set aside to dry for 2 hours.

Tear the cup away and flip the plaster over. Pull shells/dinosaur off of the plaster and wipe oil off with a paper towel.

Display 3 fossils on a 9" plate.

If planning to exhibit this option at the fair, be sure to add the information to FairEntry once the system opens. This will be used to print your exhibit tag for display at the fair.

# 4-H Fair Exhibit

Listed below are projects you can exhibit at the 4-H Fair. Check the fair book for the date and time it is due. The fair book may also list special exhibit rules. You may only exhibit 1 project from this book.

If you have any questions about your projects, please call your Mini 4-H Leader or the Extension Office.

INCLUDE completed Record Sheet with your exhibit.

## First Grade

- Build a Dinosaur
- Clay Fossils

## Second Grade

- Dinosaur Diorama
- Fossil Prints

# Mounting Your Pictures

## Needed Materials:

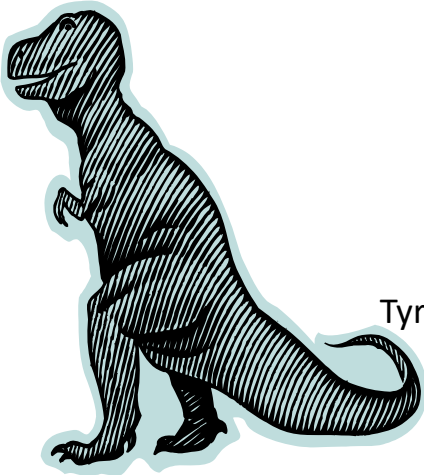
- Rubber Cement or Double Sided Tape
- Scissors
- Poster Board
- Clear Plastic

## Directions:

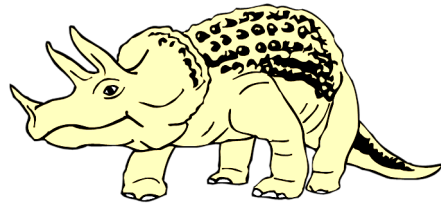
- An adult or teenager can help you cut the poster board. Cut a piece of poster board or foam board so it is 14" high by 22" wide or appropriate sized board available at the Extension Office.
- Use rubber cement or small pieces of double sided tape.
- Arrange the items neatly on your board. Be sure to include a title for your poster.
- Poster must be completely covered by a clear plastic material.

**Good Luck at the 4-H Fair!**

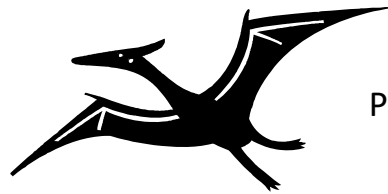
# Dinosaur Mix and Match



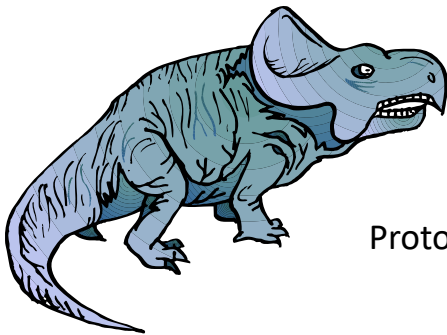
Tyrannosaurus



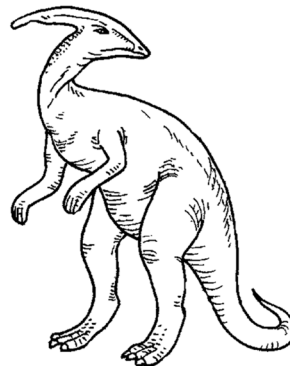
Triceratops



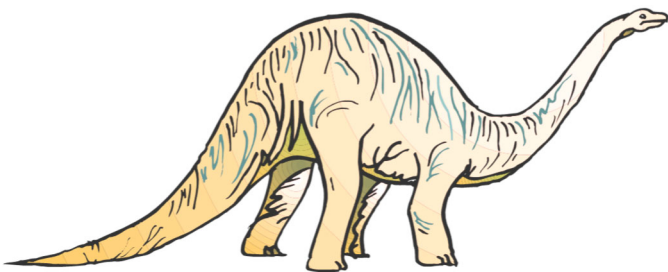
Pterodactyl



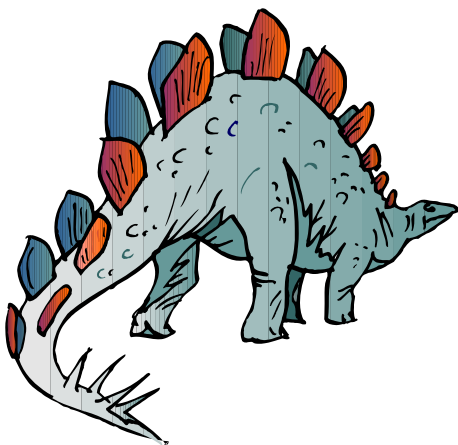
Protoceratops



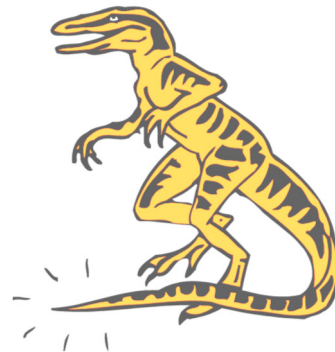
Hadrosaurus



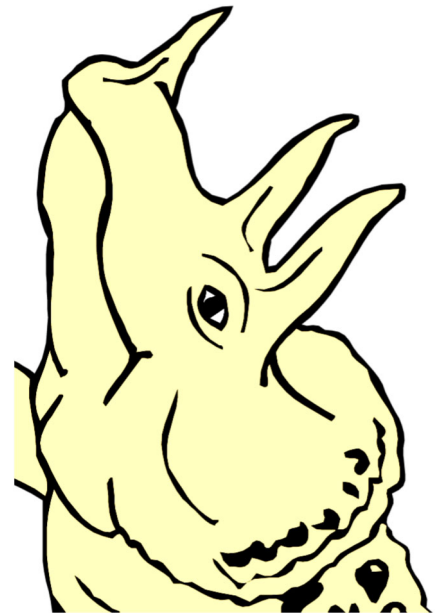
Brontosaurus



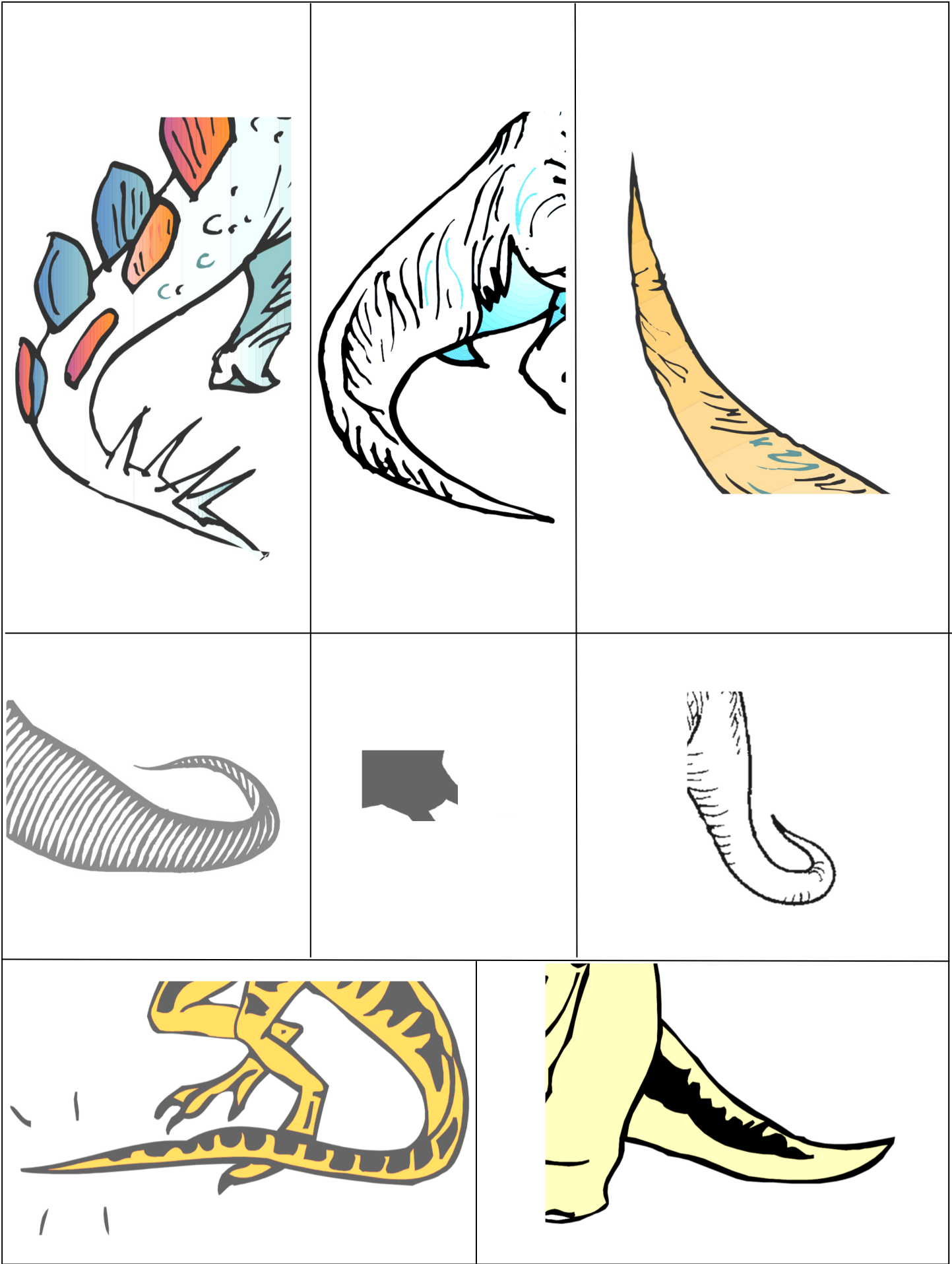
Stegosaurus



Velociraptor

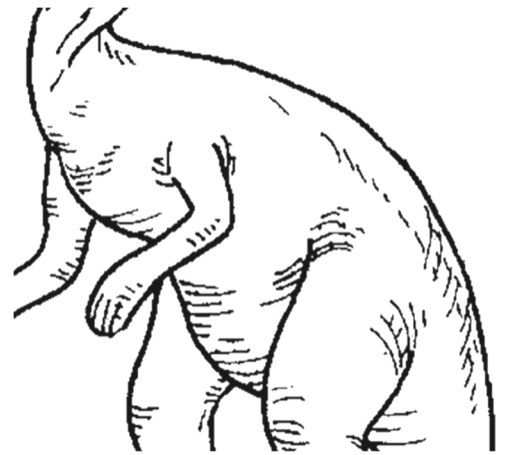
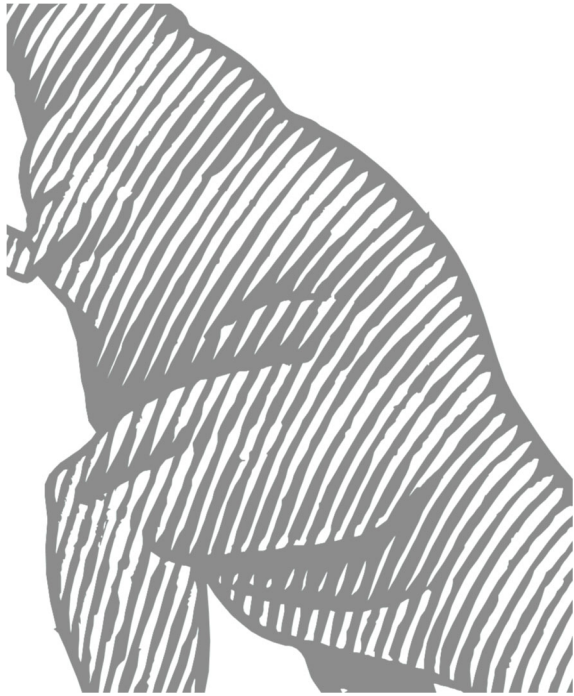




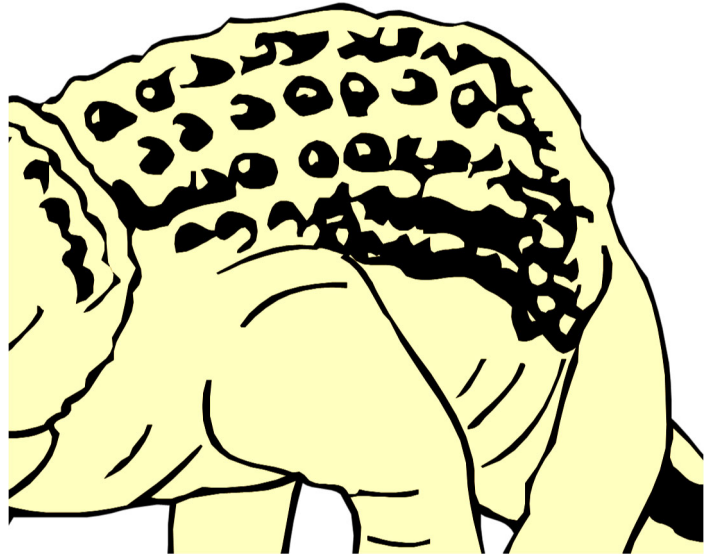




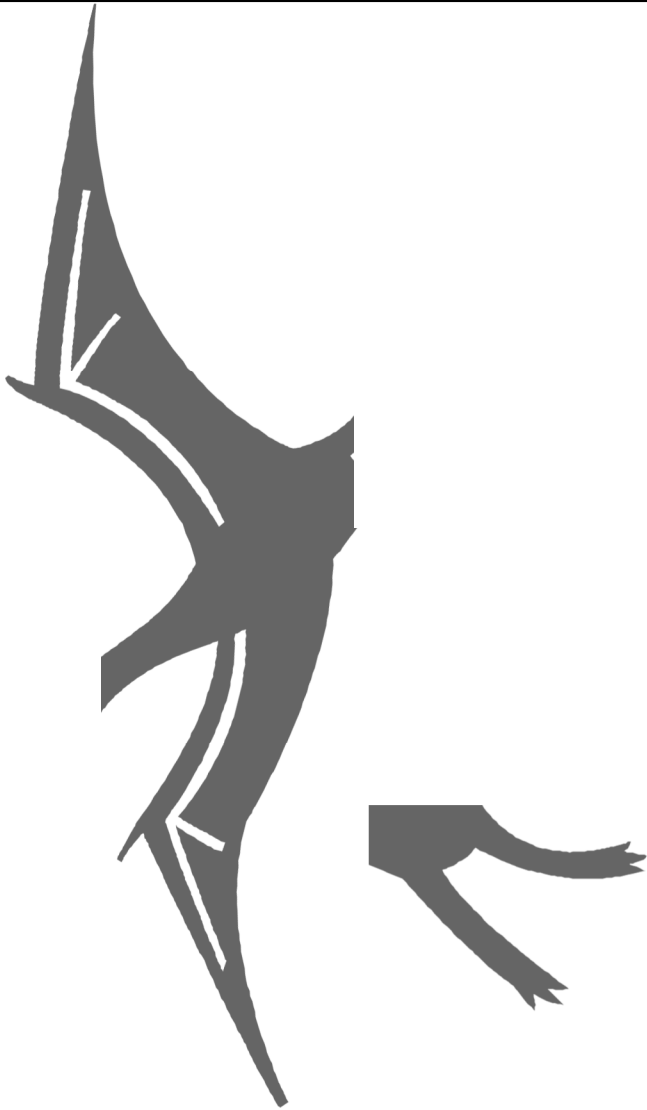




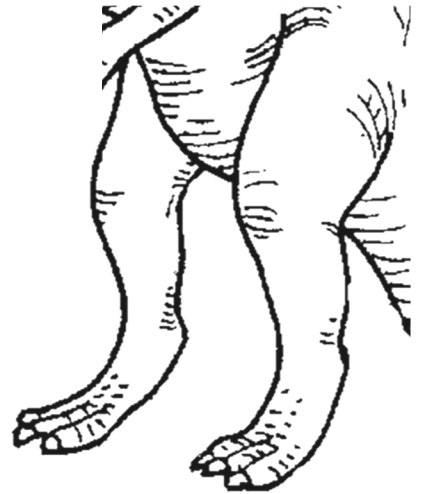
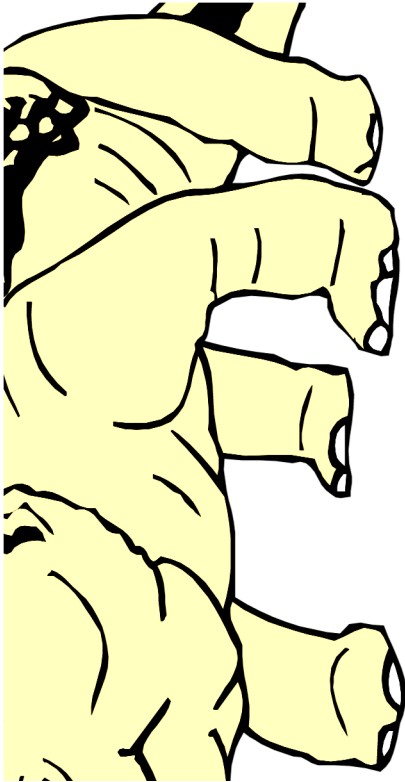








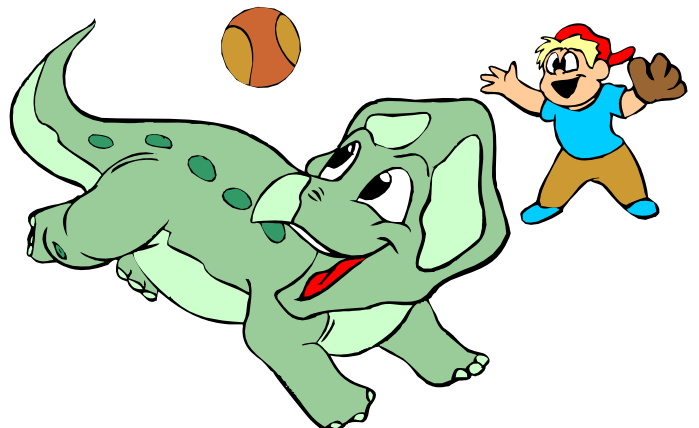






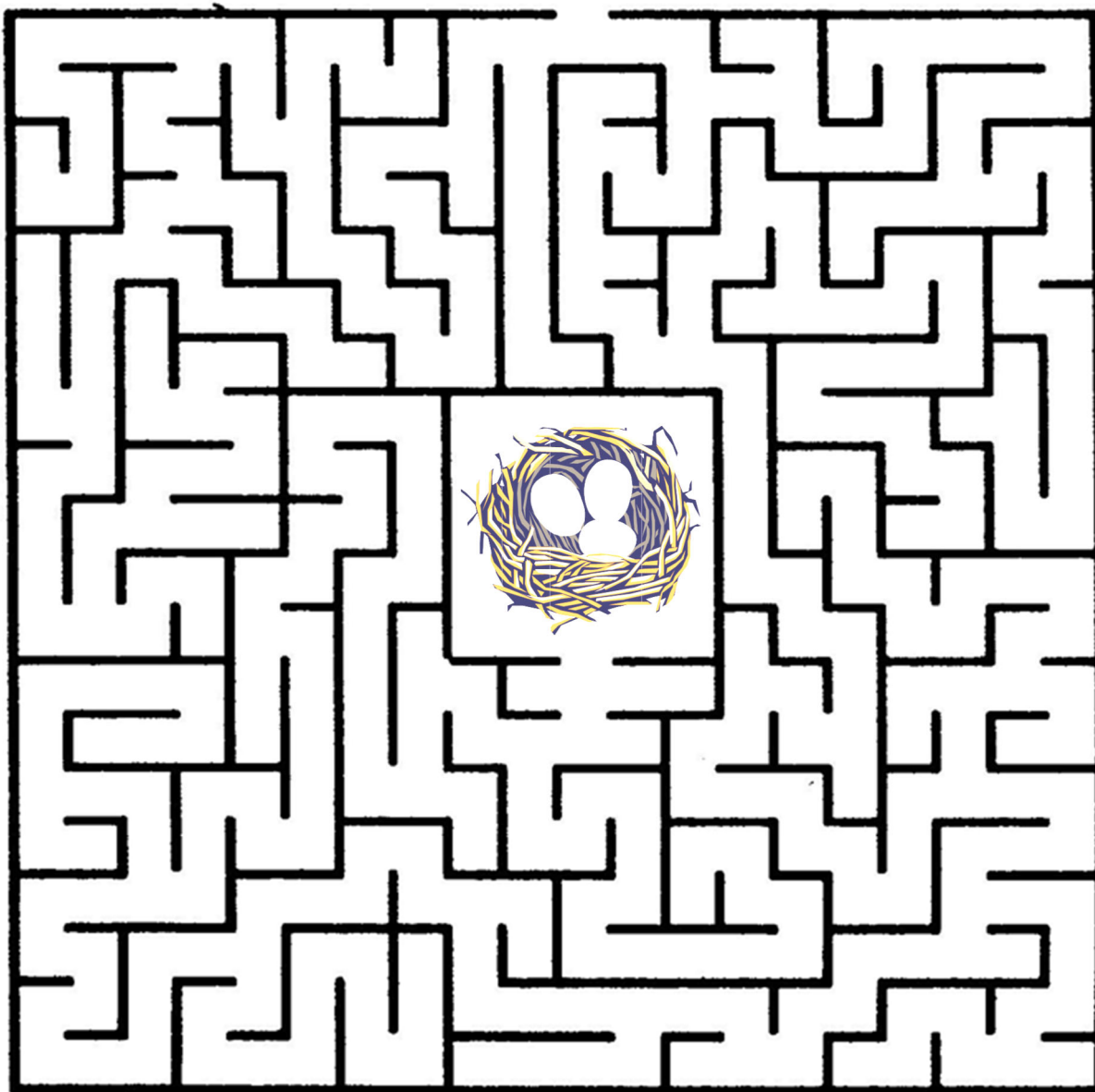
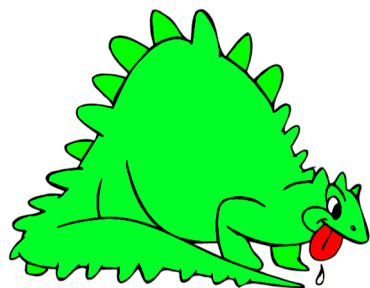


If I had a pet dinosaur \_\_\_\_\_

[illegible]



Help the stegosaurus through the dinosaur maze to find her nest of eggs.



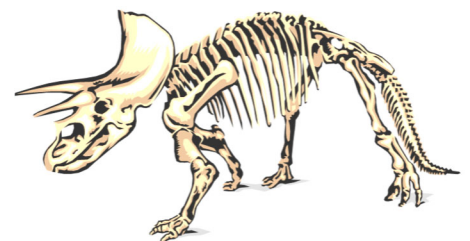
# Dinosaur Word Search



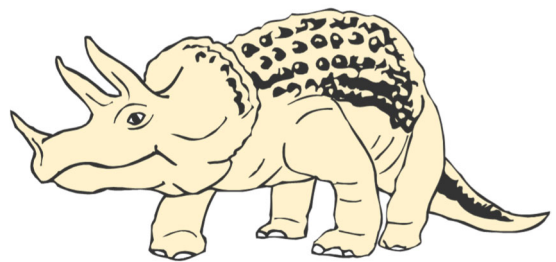
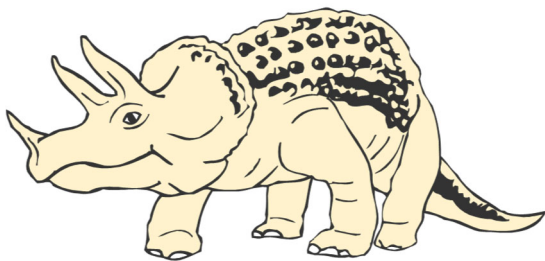
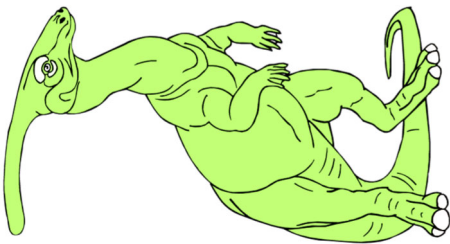
h	m	u	s	e	u	m	s	g	c
u	j	u	r	a	s	s	i	c	l
r	a	e	x	t	i	n	c	t	a
a	t	g	r	s	e	t	m	h	w
p	i	g	e	g	u	h	u	u	s
t	c	a	b	o	n	e	s	g	e
o	j	u	p	a	s	s	l	c	r
r	l	o	e	l	i	t	p	e	r
l	r	f	o	s	s	i	l	s	w



bones	huge
claws	Jurassic
egg	museum
extinct	raptor
fossil	reptile

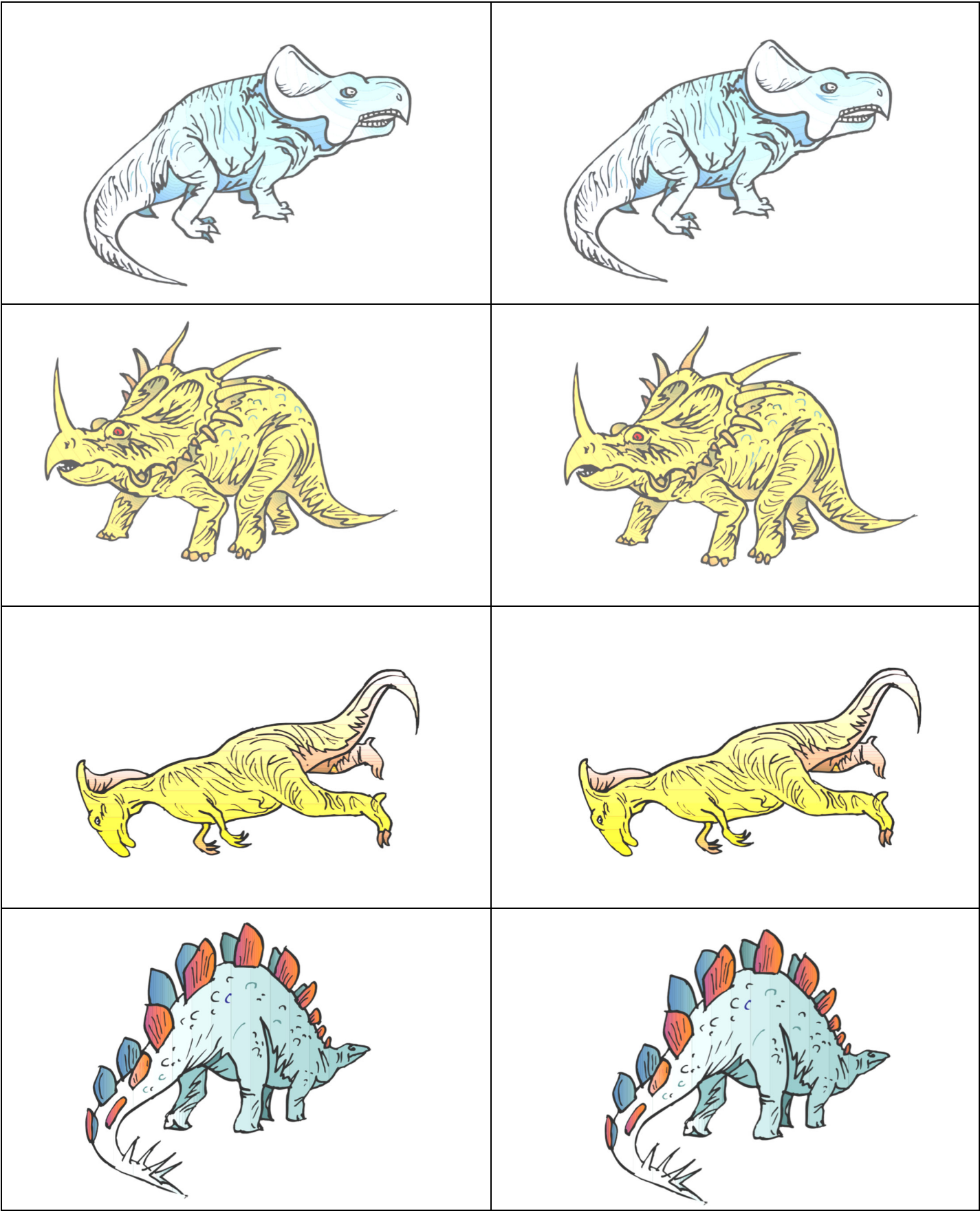


**Dinosaur Match:** Cut out the dinosaur cards, place them face down on a table, mix them up, and lay them in a 6 x 4 grid. Each player take a turn by turning over 2 cards, if they match, collect them and take another turn. If they do not, turn them back over and the next person takes a turn. matching game!





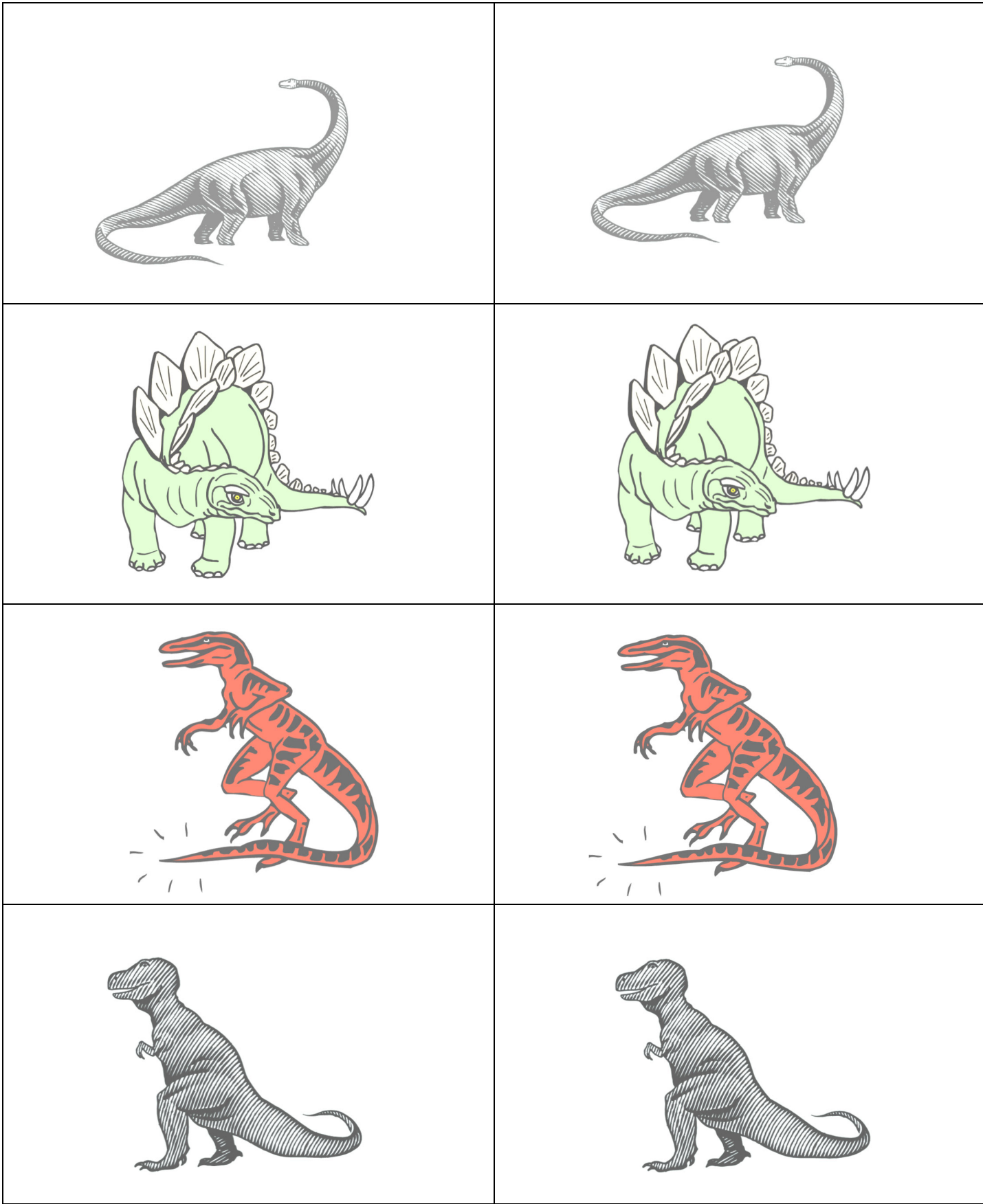
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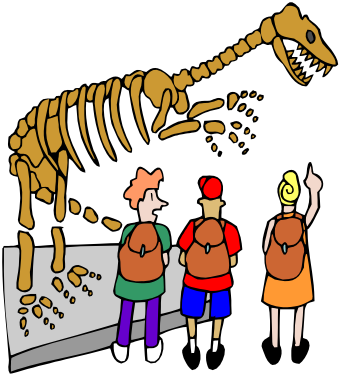




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# Mini 4-H Dinosaurs Record Sheet

My favorite dinosaur is \_\_\_\_\_.

What did you learn about dinosaurs?

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What was your favorite part of this project?

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Name:

Date:

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