








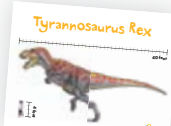




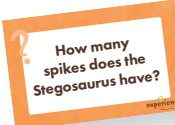



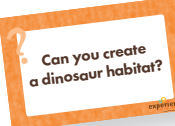





DinoLand










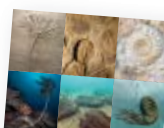
WEEK 1 PALEONTOLOGY

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
LESSON 1 Dino Bones <small>MR 2 Spatial Awareness</small>	Cotton swabs White paper Tape	 	Make tubes from the paper. Look at the dinosaur skeleton photos and use the paper tubes and cotton swabs to build your own skeletons.
LESSON 2 Excavating Zone <small>SCI 4 Technology</small>	Yarn Sticks Paint (white) Cotton swabs Shovel or spade Dinosaur pictures	 	Use yarn to section off an “excavation area.” Paint sticks white, then bury them in the ground for children to dig up. Set out pictures of dinosaurs and invite children to dig up the bones. Watch this video: https://bit.ly/2TuvnoM
LESSON 3 Fossil Dough <small>SCI 1 Investigation & Inquiry</small>	Dough: 2 c. flour, 1 c. salt, ½ c. warm water Measuring cups Bowl Spoon Small objects Baking sheet (optional)	 	Make dough. Encourage children to roll a dough ball and find objects to press into it. Invite children to shape dough into “fossils.” If desired, bake fossils on a baking sheet at 250 degrees for 1-2 hours, until they are hard.
LESSON 4 Invent a Dino <small>SCI 2 Natural & Earth Science</small>	Collage materials Glue/tape Clipboards Paper Markers/crayons	 	Set out the clipboards and collage materials. Encourage children to sketch their dinosaur, then use the collage supplies to build a model of their new dinosaur. Does it fly? Does it eat meat or plants? Is it big or small?
LESSON 5 40-Foot T-Rex <small>MR 4 Measurement</small>	Yarn Scissors Paper Tape	 	Create a clothesline from a piece of yarn 40 feet long. Compare self and different objects to the length of a T-Rex. Make paper strips the length/height of each child and various objects they measure. Attach to the yarn to compare measurements.

WEEK 2 TYPES OF DINOSAURS

LESSON 6 Tools to Reach <small>SCI 4 Technology</small>	Leaves Green paper Tape Tweezer or tongs	 	Tape real or paper leaves at different heights on a wall. Explain that Brontosaurus were herbivores and used their long necks to reach high leaves. Encourage children to use the tools to reach up and remove leaves from the wall.
LESSON 7 Plate Model <small>MR 7 Logic & Reasoning</small>	Box Craft sticks Tape Scissors Markers	 	Decorate a big box to be a Stegosaurus body. Cut small slits along the top and back side of the box for children to insert craft stick “spikes” they’ve decorated. Count how many spikes the Stegosaurus has.
LESSON 8 Cone Design <small>MR 5 Patterns</small>	Paper cones	 	Set out a few paper cones and encourage children to build with them or line them up in various patterns.
LESSON 9 Dino Habitat <small>SCI 2 Natural & Earth Science</small>	Dinosaur figurines Nature items Wooden blocks	 	Set out nature items, blocks and dinosaur figurines. Build habitats and play make-believe.
LESSON 10 Flying Dino <small>SCI 4 Technology</small>	Laptop or mobile device Paper Scissors Pencils Tape	 	Encourage children to build a flying prehistoric creature. Test the creations to see if they can fly onto a paper “landing pad.” Set out a laptop or mobile device to watch the tutorial to make a paper helicopter: https://bit.ly/3k4vDGF

WEEK 3 DINOSAUR BODY PARTS

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
LESSON 11 Dino Eggs <small>SCI 2 Natural & Earth Science</small>	Rocks Paint Paintbrushes or cotton swabs	 	Set out rocks, paint and small paintbrushes. Encourage children to decorate the small <i>Mussaurus</i> eggs. Allow them to dry overnight. Work together to make nests for the eggs.
LESSON 12 Standing Tall <small>SCI 1 Investigation & Inquiry</small>	Blocks Small balls	 	Set out blocks and small balls, e.g., tennis or golf balls. Encourage children to construct a tall tower and balance a ball on the top (like a head). How do they need to change their design so the ball doesn't roll off?
LESSON 13 Friendship Tails <small>SCI 4 Technology</small>	Laptop or mobile device Thread Yarn Scissors Tape	 	Display a laptop or mobile device playing the YouTube tutorial (on loop) on how to make a friendship bracelet. Encourage children to watch and follow the steps. https://www.youtube.com/watch?v=6SpYmdjy3So .
LESSON 14 My Pet Dino <small>SCI 2 Natural & Earth Science</small>	Dough: 2 c. flour, 1 c. salt, ½ c. warm water Bowl Measuring cups Spoon Small items, e.g., craft sticks, pasta, cotton swabs	 	Make dough with children. If too sticky, add more flour. Invite children to use this dough and small items to make a dinosaur friend or dinosaur bones.
LESSON 15 Fossil Rubbings <small>SS 4 History & Sense of Time</small>	Basket Nature items: tree bark, leaves, sticks Paper Crayons Scissors	 	Cut apart the Matching Cards and invite children to guess which living things match the fossils. Put a variety of objects and/or plant parts in a basket. Make fossil rubbings by putting the objects under a piece of paper and rubbing crayon over it.

WEEK 4 JURASSIC LAND

LESSON 16 Exploding Volcano <small>SCI 1 Investigation & Inquiry</small>	Baking soda Bowl Vinegar Cups Spoons	 	Fill cups with a small amount of vinegar and invite children to scoop spoonfuls of baking powder into the cups. Watch what happens.
LESSON 17 Floating Continents <small>SCI 1 Investigation & Inquiry</small>	Paper plates Markers/crayons Scissors Bins of water	 	Invite children to decorate a plate. Explain that a long time ago, Earth was one big piece of land that eventually broke into seven pieces. Encourage children to cut their plate into seven pieces, then put them in water to float.
LESSON 18 Dino Garden <small>SCI 2 Natural & Earth Science</small>	Containers or jars Dirt or sand Plants/natural items Dinosaur figurines (optional)	 	Encourage children to create their own dinosaur gardens by using natural materials poked into dirt/sand in jars or plastic containers. Add dinosaur figurines for extra fun.
LESSON 19 Disappearing Dinosaurs <small>SCI 4 Technology</small>	Chalk Water Spray bottles	 	Set out chalk for children to draw dinosaurs. Invite children to spray the chalk creations to make them disappear. Talk about how animals become extinct when their habitats are destroyed or their resources are depleted.
LESSON 20 Museum Display <small>SCI 2 Natural & Earth Science</small>	Items to display, e.g., fossils, figurines, natural materials) Paper or labels Markers Display tools, e.g., glasses, shelves, boxes Labels or tape	 	Set up a dinosaur museum with fossils, figurines, natural materials and identifying labels. Think up ways to display your individual "artifacts" e.g., on shelves, in boxes, under glasses.

Set-Up Directions

These open-ended STEAM stations invite children to investigate, problem-solve and create.

- Hang the Big Question and Inspiration Photos on the wall next to the place you set up the investigation.
- If desired, use labels to identify and organize materials children will use (and clean up) as they explore STEAM stations.

ROTATING YOUR STATIONS

- Introduce one new STEAM station daily. Leave that station set up all week. By the end of the week, children will have five stations to explore.



A master set of supply labels for STEAM and your environment, including blank labels for you to use with miscellaneous supplies, can now be found on Member Resources.



STEAM
STATIONS

STEAM stations integrate perfectly with the monthly Experience Preschool Curriculum kits for a comprehensive research-based early learning system. Learn more and start your research-based curriculum today.

[ExperienceCurriculum.com](https://www.ExperienceCurriculum.com)



experience
EARLY LEARNING

© 2023 Experience Early Learning Co.




**Can you be
a paleontologist?**



**What can you find
in the dig site?**



**How are
fossils made?**




**What type
of dinosaur
can you discover?**



**How long
is a T-Rex?**



**How high
can you reach?**



**How many
spikes does the
Stegosaurus have?**



**Where do you
see cones?**



**Can you create
a dinosaur habitat?**



**Can you make
a flying dino?**



**How do you
think a dinosaur
egg looks?**



**How are necks
different for
various animals?**



**Can you make
a friendship
bracelet?**



**What shape
are dinosaurs?**



**Can you identify
the fossil?**



**Why do
volcanoes erupt?**



**What might
you see floating
on water?**



**Why were Jurassic
plants important
to dinosaurs?**



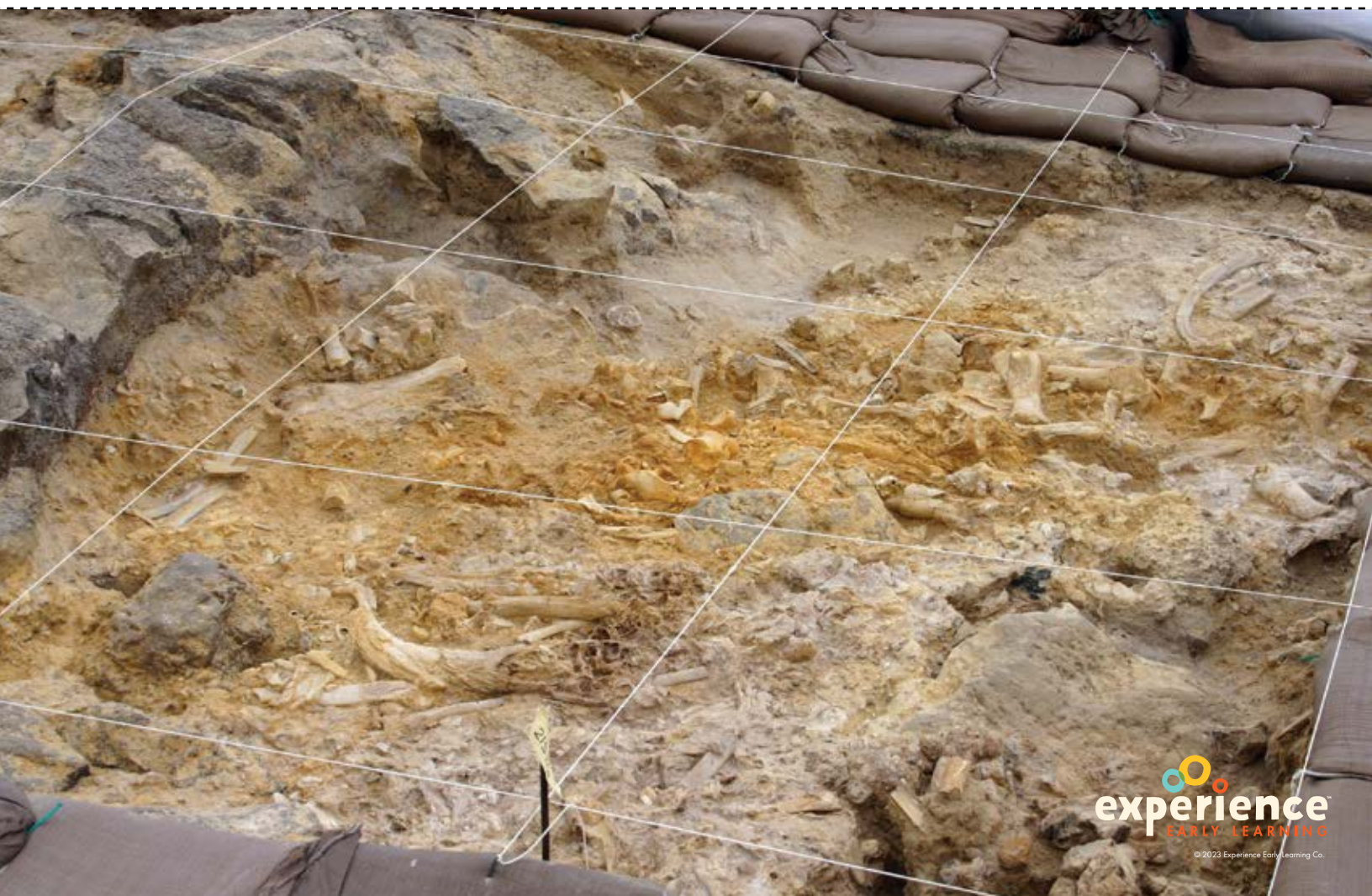
**Why do animals
become extinct?**



**What can we
learn at museums?**




experience
EARLY LEARNING
© 2023 Experience Early Learning Co.




experience
EARLY LEARNING
© 2023 Experience Early Learning Co.






© 2023 Experience Early Learning Co.




© 2023 Experience Early Learning Co.

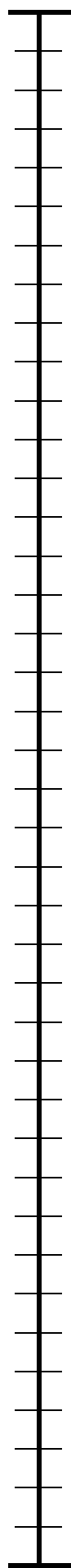



experience
EARLY LEARNING
© 2023 Experience Early Learning Co.

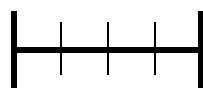
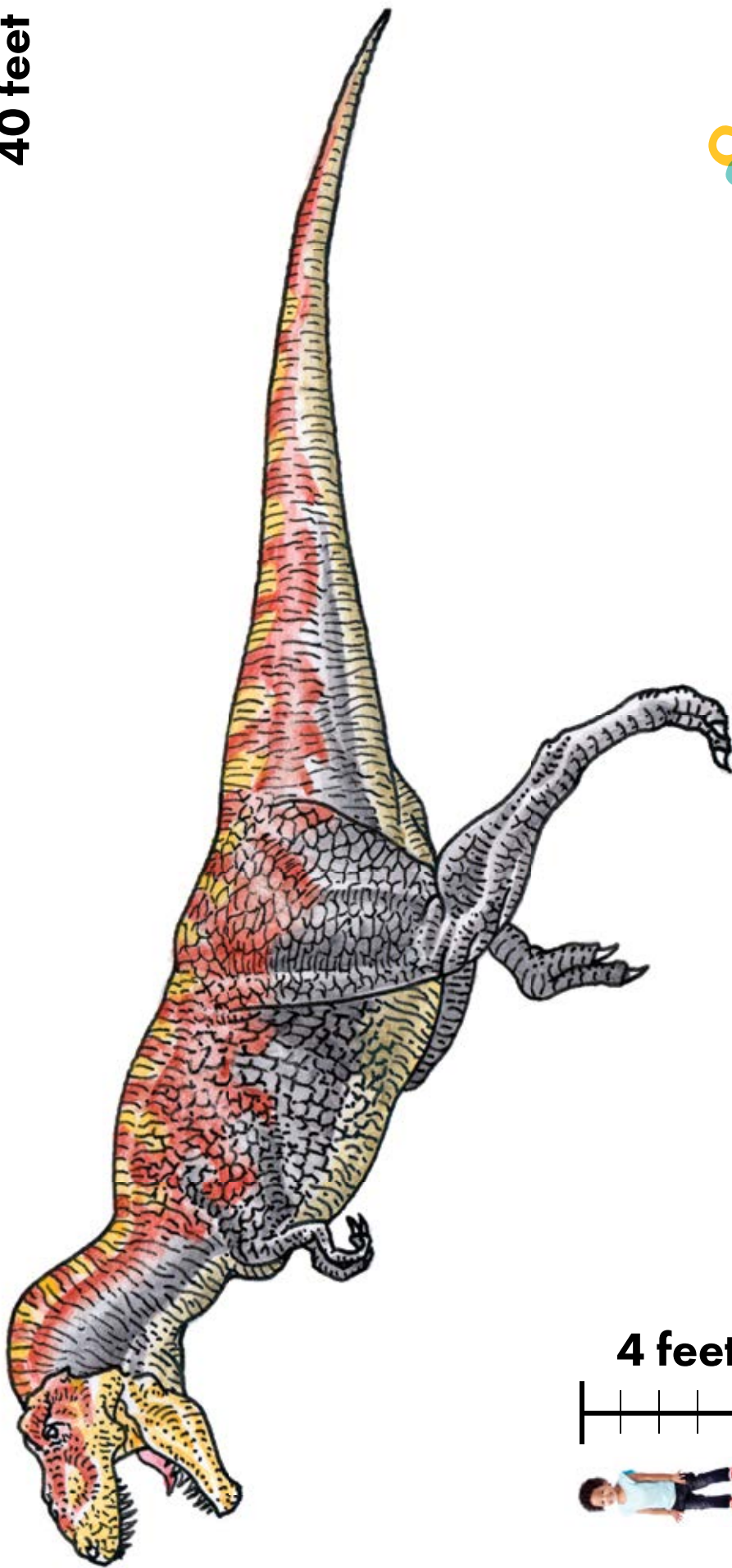



experience
EARLY LEARNING
© 2023 Experience Early Learning Co.

Tyrannosaurus Rex



40 feet



4 feet






experience
EARLY LEARNING
© 2023 Experience Early Learning Co.



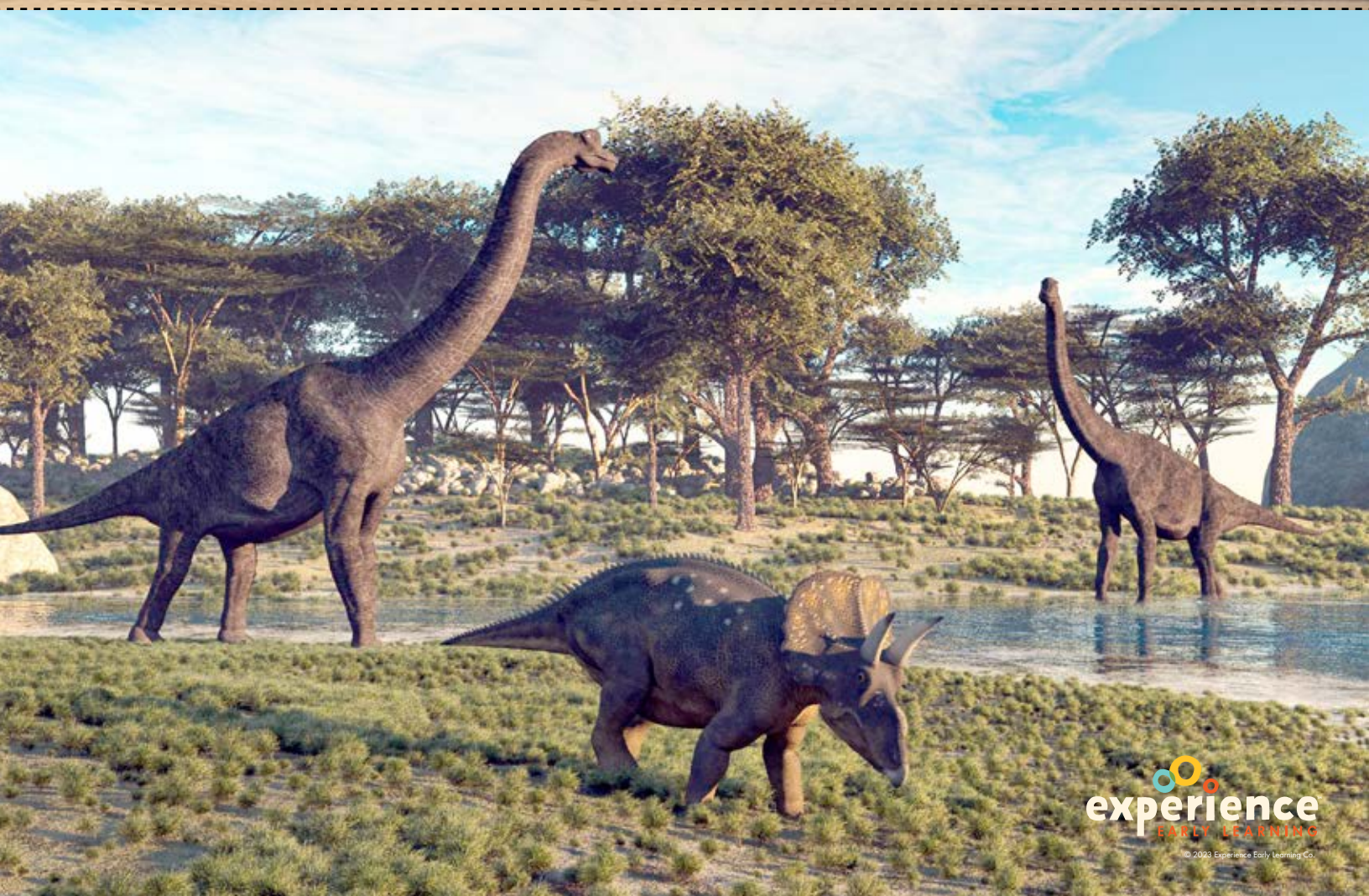

experience
EARLY LEARNING
© 2023 Experience Early Learning Co.

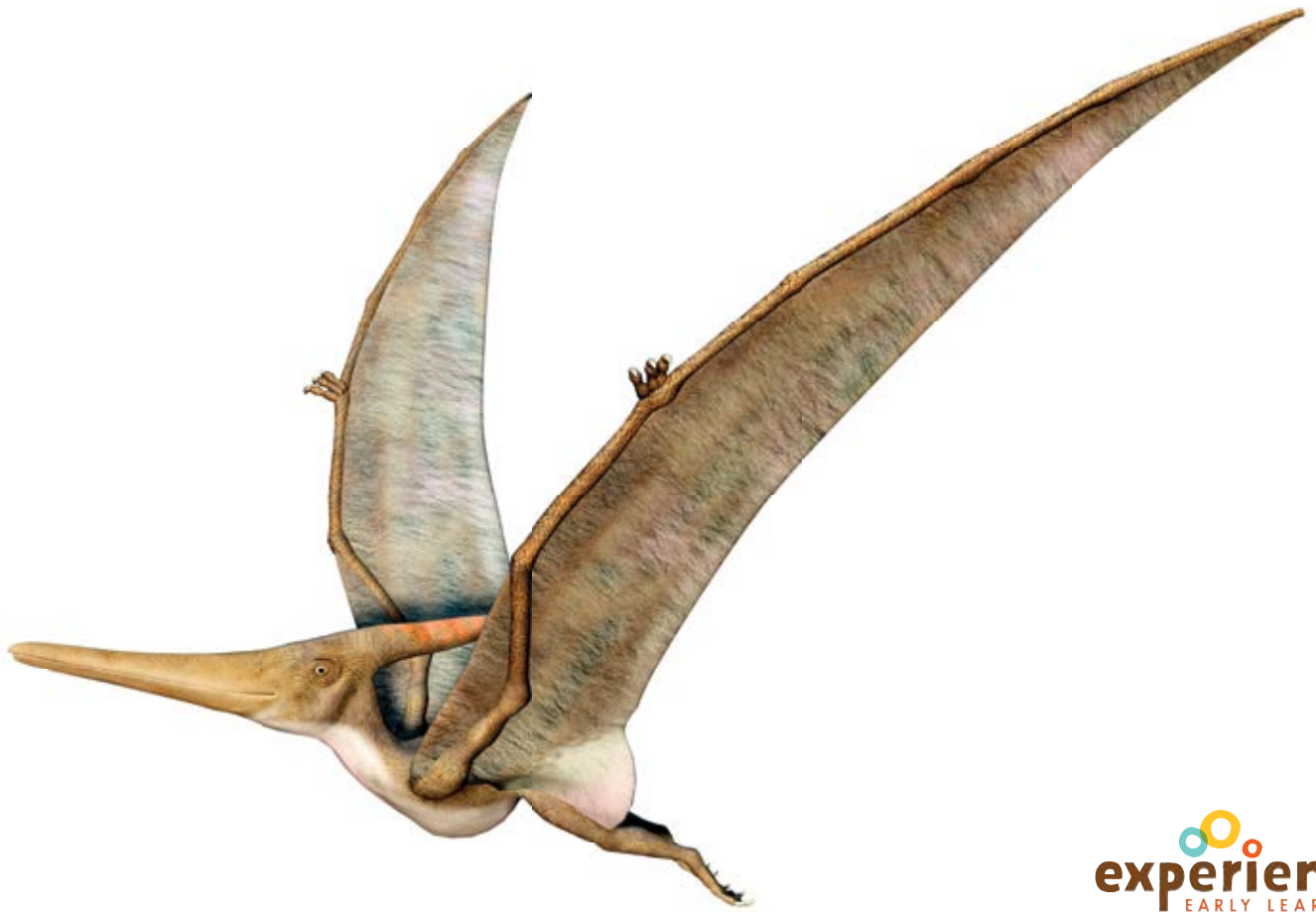



© 2023 Experience Early Learning Co.




© 2023 Experience Early Learning Co.






experience
EARLY LEARNING
© 2023 Experience Early Learning Co.

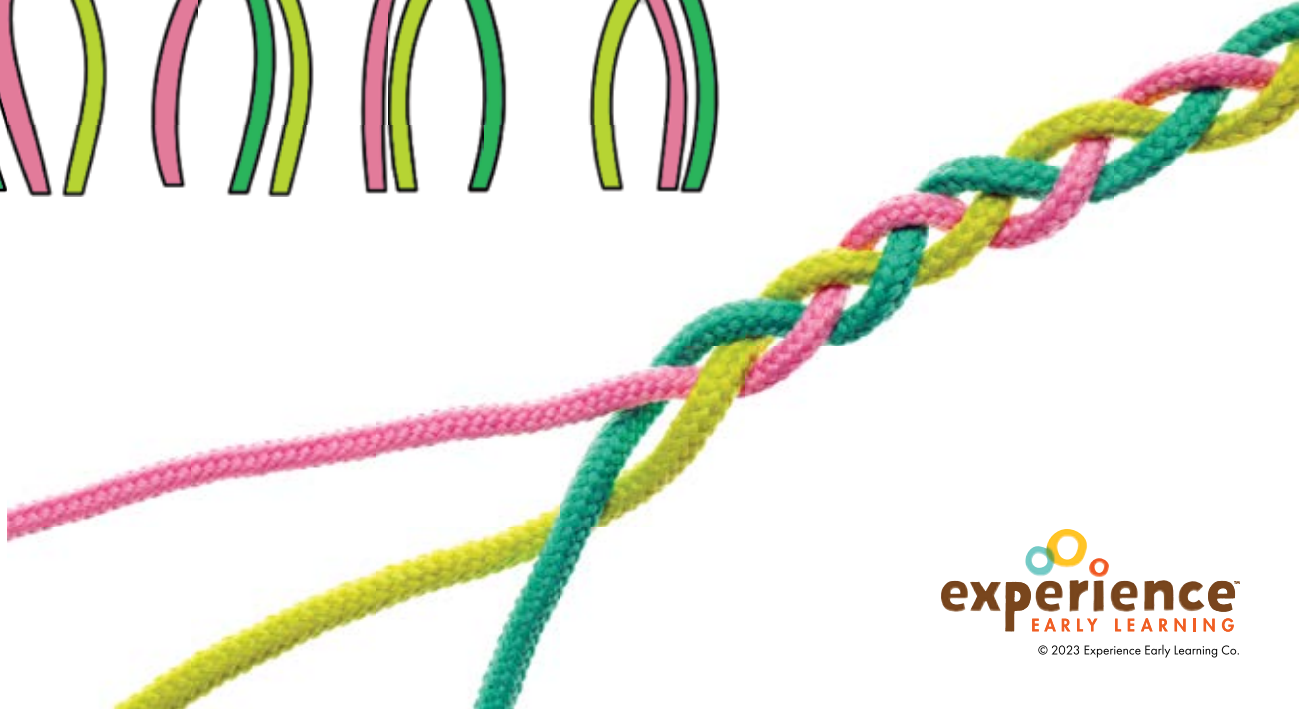
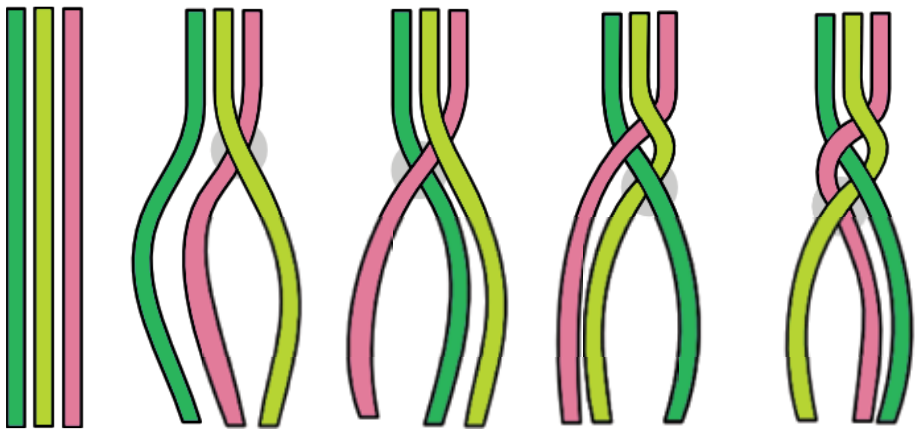



experience
EARLY LEARNING
© 2023 Experience Early Learning Co.





experience
EARLY LEARNING
© 2023 Experience Early Learning Co.



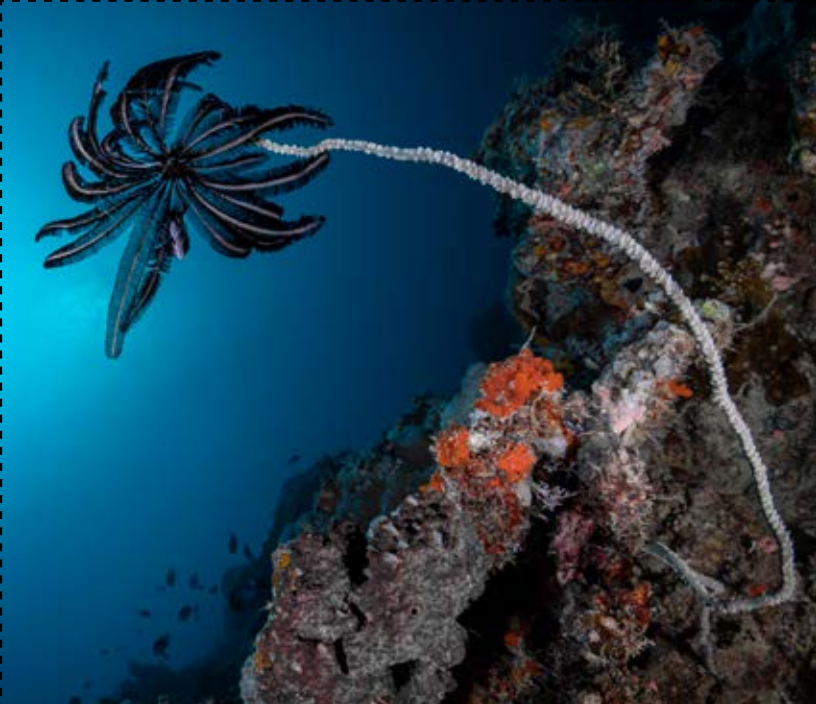
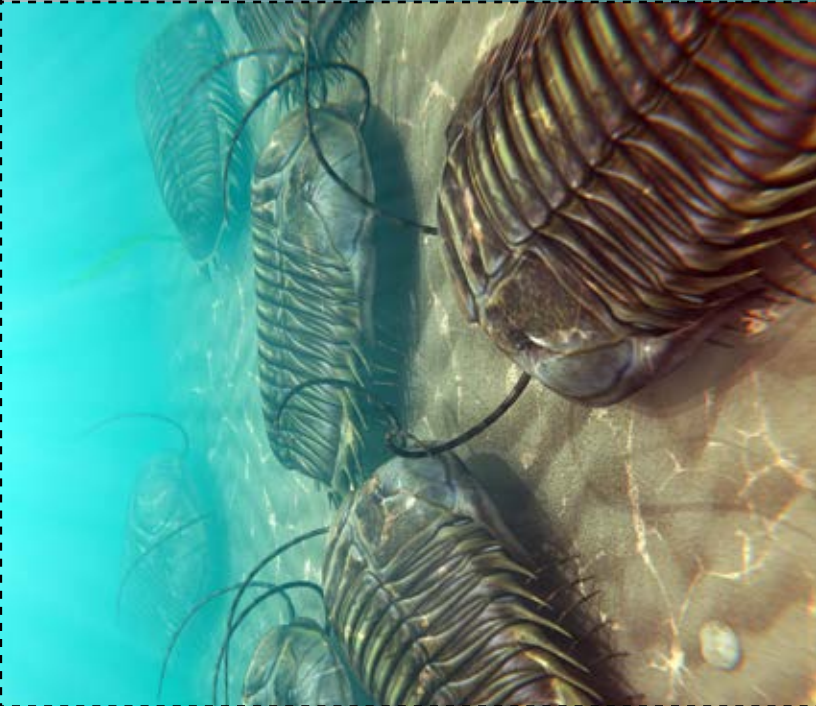
experience
EARLY LEARNING
© 2023 Experience Early Learning Co.




experience
EARLY LEARNING
© 2023 Experience Early Learning Co.




experience
EARLY LEARNING
© 2023 Experience Early Learning Co.





Pangaea



Today




experience
EARLY LEARNING
© 2023 Experience Early Learning Co.




experience
EARLY LEARNING
© 2023 Experience Early Learning Co.



CENTROSAURUS
Centrosaurus was a large, horned dinosaur that lived during the Cretaceous period. It was a member of the Centrosaurinae subfamily of the Ceratopsia group. Centrosaurus had a long, narrow skull with a prominent brow ridge and a long, pointed snout. It was a herbivore and is thought to have lived in a semi-arid environment. Centrosaurus is known from the Dinosaur Provincial Park in Alberta, Canada.


experience
EARLY LEARNING
© 2023 Experience Early Learning Co.



STEGOSAURUS
Stegosaurus was a large, herbivorous dinosaur that lived during the Late Jurassic period. It was a member of the Stegosaurinae subfamily of the Stegosauria group. Stegosaurus had a long, narrow skull with a prominent brow ridge and a long, pointed snout. It was a herbivore and is thought to have lived in a semi-arid environment. Stegosaurus is known from the Dinosaur Provincial Park in Alberta, Canada.


experience
EARLY LEARNING
© 2023 Experience Early Learning Co.

