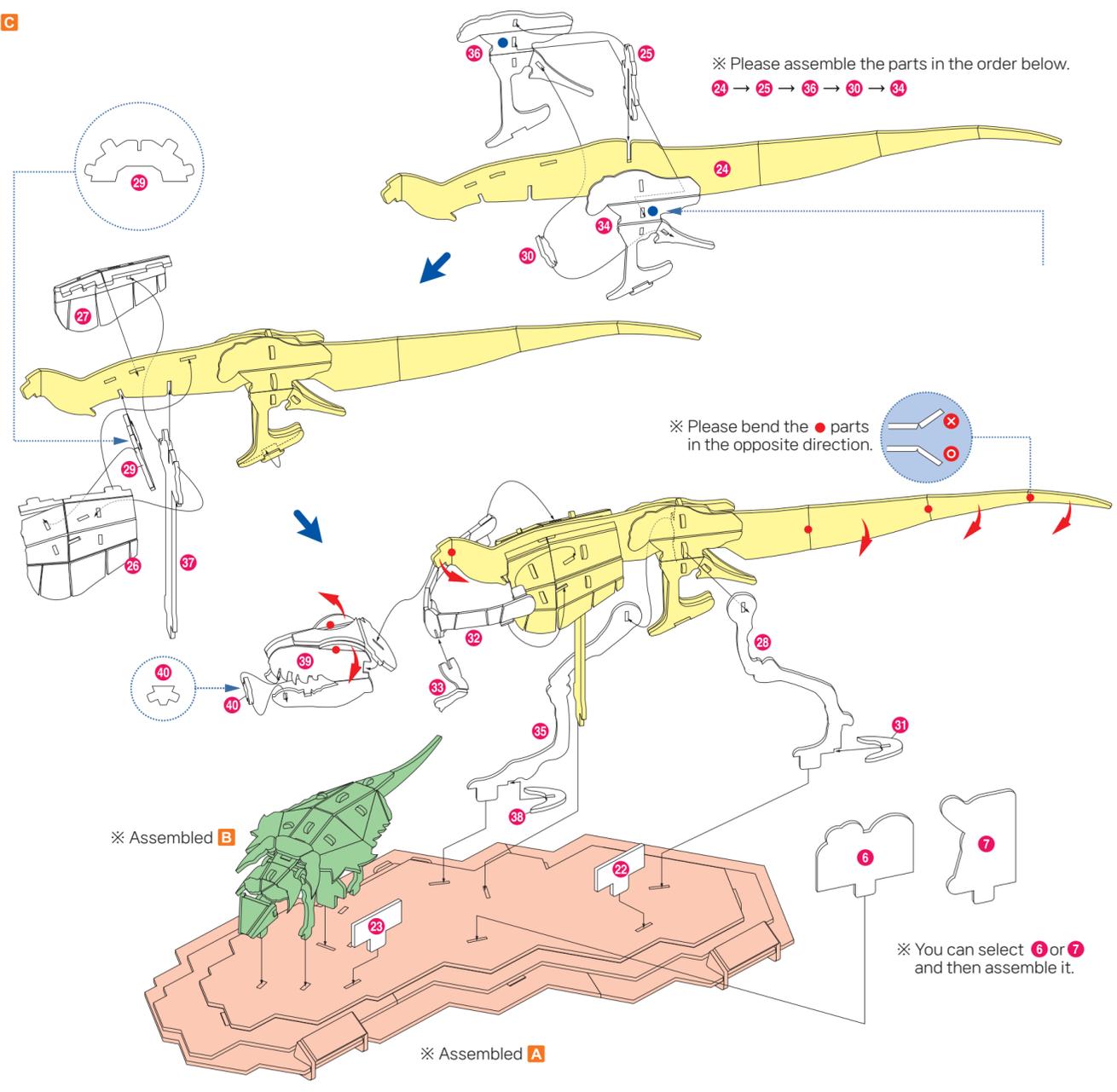
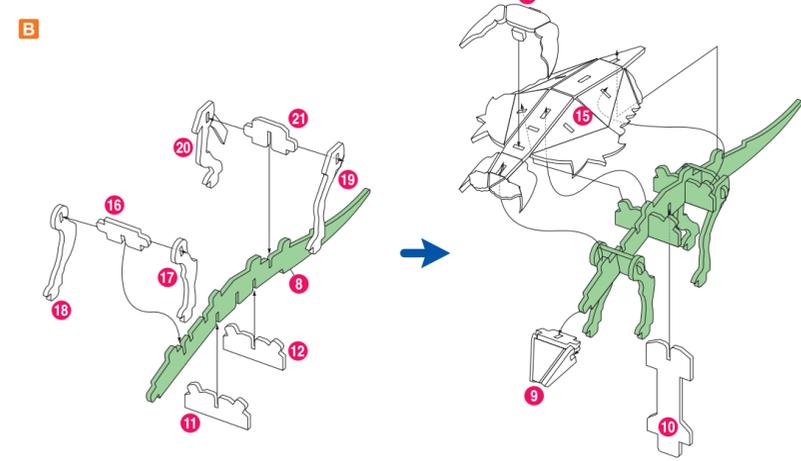
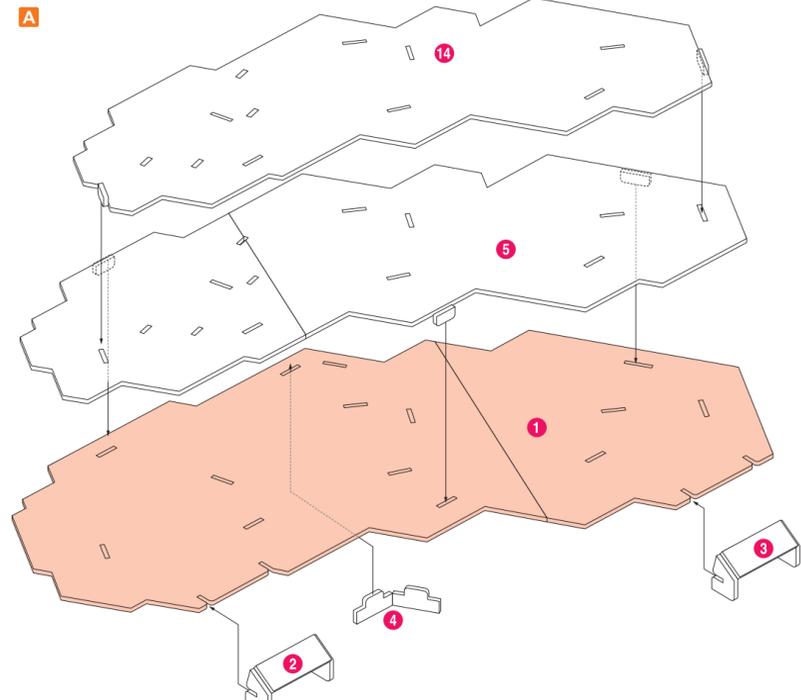


Instructions

★Tyrannosaurus & Edmontonia
 *Please follow the instructions and assemble the educational kit in the order specified.

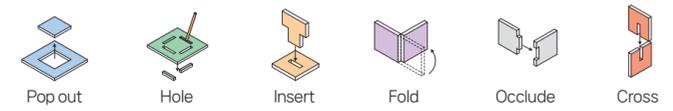


※Instructions
 Do not pop out all the parts at once.
 Please follow the instructions and pop them out one by one in the order specified.

<Caution>
 After assembling the 3D puzzle, please put the small leftover parts in the trash bin. Also, be careful that children do not put the product or plastic packaging in their mouth, nose, or ears.



How To Make



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 Made in Korea

- You can firmly assemble the 3D puzzle without glue or scissors.
- The 3D puzzle is an educational kit designed to enhance problem solving skills and spatial perception.

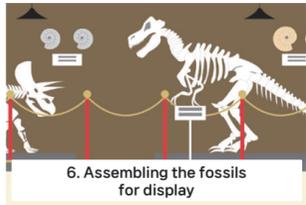


Learning Objectives

Be able to understand scientific discovery methods and explain the findings.
 Ages: 8+

Who Am I?

If I could travel back in time about 225 million years to the Mesozoic era, I would love to see dinosaurs roaming around alive. At that time, they dominated the Earth. The massive reptiles that ruled the Earth during the Mesozoic era, (①), are no longer here today. However, (②) like footprints, eggs, bones, and feces have been found, allowing people to learn about them. I carefully examine rocks and soil while searching for animal fossils. When I find a dinosaur fossil, I get excited because I want to uncover its secrets. Even working under the scorching sun all day during excavations, I can endure it. Would you like to see my process?



What is the profession of someone like me, who digs up fossils and studies ancient creatures like dinosaurs to learn about their appearance, the era they lived in, their environment, and events from their time? (③)

Who else has had the same job as me?

★ **People from other countries, Gideon Mantell and Richard Owen**

The first person to find dinosaur fossils was the British scientist Gideon Mantell. The fossil he uncovered had a shape similar to an iguana's teeth, but it was 20 times larger, so he thought it must be a different reptile and called it (④). Later, as many large and new reptile fossils were discovered, Richard Owen, a scientist, gave the name "dinosaur" combining the Greek word "deinos" meaning terrible, and "sauros" meaning lizard. This term is still used today.

How do scientists classify?

Classifying Like a Scientist | How do paleontologists classify dinosaurs?

Observe the appearance and characteristics of the dinosaurs below and describe them as you would for <Stegosaurus>.

| 1) Stegosaurus | Characteristics | 2) Tyrannosaurus | Characteristics |
|----------------|--|------------------|--|
| | 1. Diet: Herbivore 2. Legs: Walks on four legs 3. Other features: Has spikes on its back and a pointed tail. | | 1. Diet: Carnivore 2. Legs: Walks on (⑥) legs 3. Other features: ⑦ |
| 3) Edmontonia | Characteristics | 4) Compsognathus | Characteristics |
| | 1. Diet: Herbivore 2. Legs: Walks on (⑧) legs 3. Other features: ⑧ | | 1. Diet: Carnivore 2. Legs: Walks on (⑨) legs 3. Other features: ⑩ |
| 5) Triceratops | Characteristics | 6) Brachiosaurus | Characteristics |
| | 1. Diet: Herbivore 2. Legs: Walks on (⑫) legs 3. Other features: ⑬ | | 1. Diet: Herbivore 2. Legs: Walks on (⑭) legs 3. Other features: ⑮ |

Finding Similarities and Differences Like a Scientist |

Can you find what is the same and what is different about the dinosaurs above?

Similarities
⑯

Differences
⑰

Establish classification criteria and classify |

Write down the criteria that can divide the dinosaurs into two main groups and place the dinosaur numbers accordingly. This classification should yield the same result no matter who classifies it. Then, explain your classification to your friends.

Classification criteria ⑱

True ⑲

False ⑳

How do scientists make inferences?

Activity 1 | Infer like a scientist

A paleontologist has uncovered dinosaur bones like the ones on the left. What kind of dinosaur will emerge when the bones are assembled? (Connect the lines)



Activity 2 | Follow the assembly instructions to build. (Assembling Tyrannosaurus and Edmontonia)

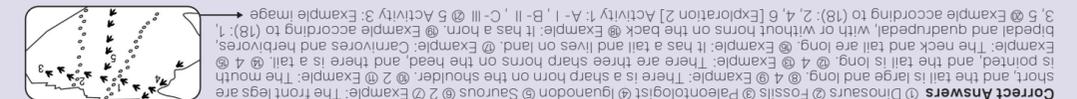
※ Edmontonia is an herbivorous dinosaur that has large spikes on its body, which it uses to protect itself from Tyrannosaurus's attacks.

Activity 3 | Observe and reason dinosaur tracks

By carefully observing and drawing the dinosaur tracks, you can deduce how many different types of dinosaurs passed through this area. How many types of dinosaur tracks are there in the picture? (⑳) types



By closely examining the tracks, you can guess other characteristics, such as the dinosaur's overall size.



Correct Answers
① Dinosaur
② Fossils
③ Paleontologist
④ Iguanodon
⑤ Sauros
⑥ 2
⑦ Example: The front legs are short, and the tail is large and long.
⑧ 4
⑨ Example: There are three sharp horns on the head, and there is a tail.
⑩ 4
⑪ Example: It has a tall and long neck and tail.
⑫ Example: It has a tall and long neck and tail.
⑬ Example: It has a tall and long neck and tail.
⑭ Example: It has a tall and long neck and tail.
⑮ Example: It has a tall and long neck and tail.
⑯ Example: It has a tall and long neck and tail.
⑰ Example: It has a tall and long neck and tail.
⑱ Example: It has a tall and long neck and tail.
⑲ Example: It has a tall and long neck and tail.
⑳ Example: It has a tall and long neck and tail.