

Exhibition Details

Size: 5,500 ft2 (511 m2)

Ceiling Height: 12 ft (3.66 m)

Tour: Spring 2023 – Fall 2028

Curators:

Pete Makovicky, PhD.

Lead Curator

Field Museum

Nathan D. Smith, Ph.D.

Associate Curator

Natural History Museum of Los Angeles County



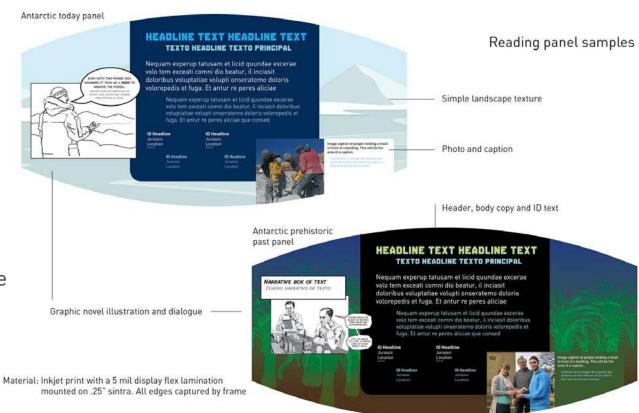
Features

- Over 60 fossils, full-scale replications, and touchable models
- 9 mechanical and digital interactives
- 7 videos and large media elements
- Custom soundscape and lighting elements
- Bilingual (English & Spanish)



Graphic Panels

- Strong hierarchy makes content accessible to multiple learner levels
- Graphic novel illustration and dialogue convey a sense of adventure
- Bilingual layout and flexible graphics system (all text is for placement only)





Though Antarctica today can be a forbidding land of snow and ice, 200 million years ago it was part of the supercontinent Gondwana, a wooded, verdant habitat where dinosaurs thrived. After the age of the dinosaurs, the landmass now known as Antarctica separated from South America, opening a new path for ocean currents that froze the South Pole over millions of years. As the climate changed, so did life on the continent.

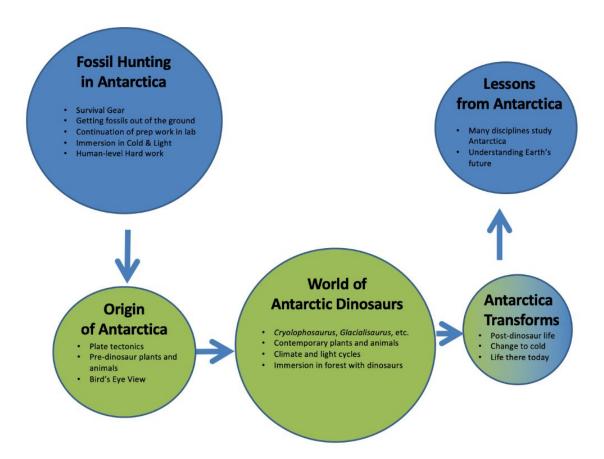


Exhibition Summary

EXHIBITION SUMMARY

Antarctica is a beautiful and remote place that few people get to experience. The goal of the exhibition is to transport people to this harsh, mysterious landscape through immersive environments, images, lighting, sound, and smells. Dynamic projection mapping of the excavation site, authentic fossil finds, robust tool interactives, and graphic novel storytelling allow visitors to join our dinosaur hunters on this epic adventure.

Antarctic Dinosaurs Bubble Plan



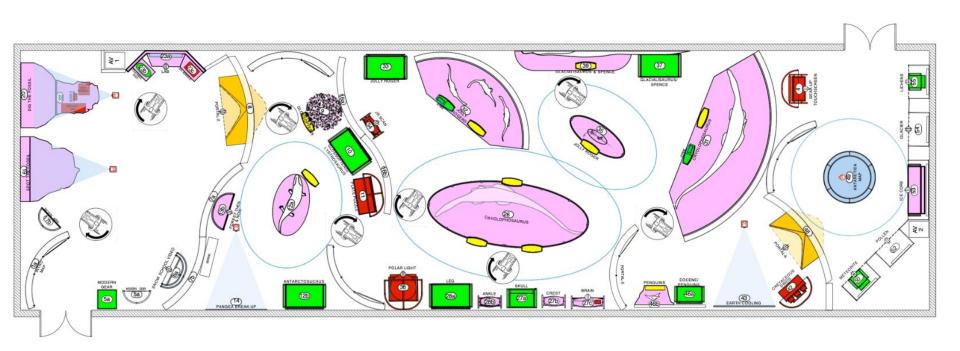
Main Messages

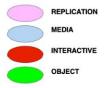
Main Messages

- Antarctica was once a lush land populated by dinosaurs
- Fossils from Antarctica shed new light on our planet's ever-changing geology
- Interdisciplinary scientists from around the world study Antarctica's landscape to understand planet's past, present, and future climate transitions









Fossil Hunting in Antarctica

Following the footsteps of paleontologists, visitors are transported to one of the most inhospitable environments on the planet: bitterly cold mountains. There they must rely on an arsenal of modern power tools to excavate fossils from rock. Experience the taxing but exhilarating work of digging for fossils that reveals that Antarctica wasn't always a frozen, hostile landscape.









Fossil Hunting in Antarctica

SECTION ELEMENTS

- Media experience: on-site, modern fossil hunting
- "Excavation" mechanical interactives
- Real fossil collecting equipment
- Touchable matrix from Antarctica
- Recreated quarry ledge



Origins of Antarctica

Journey back in time to explore the dynamic nature of Antarctica's geology and the forces—plate tectonics—that created the southernmost continent. Examine a reconstructed forest and encounter the early plants and animals that flourished in the once-green environment.







Scientists discovered fossils of the same species across the southern continents. They pieced together this fossil evidence like a puzzle, and in doing so, pieced together the world.

Los científicos descubrieron fósiles de las mismas especies en todos los continentes del sur. Al armar el rompecabezas con la evidencia fósil, también unieron el mundo.

Each of these creatures lived in Antarctica and at least one other southern continent sometime between the Permian [298 million years ago] and the Middle Triassic [247 million years ago].

Cada una de estas criaturas vivieron en ta Antártida y al menos en otro de los continentes del sur, en algún momento entre el Pérmico (hace 278 millones de años) y el Traísico medio (hace 247 millones de años).



Glassopter's ligtor-SOP-ter-is: A woody, seed-bearing tree that was deciduous (shed its leaves annually)

Arbot leñoso caducitolio (perdia el foltaje durante cierta parte del añol que producia semillas



esaurus (lis-stroh-SAWR-us) nt-eating synapsid ss including mammals nammalian relatives)

Lystrosaurus Sināpaido Iclase que incluyo a los mamilleros y otros animates relacionados) que era herbivoru



Precelephon [pro-KOH-loh-favin]
An early, plant-eating parareptite that grew to be up to 11 to 12 inches [28 to 30 cm] long

Un pararreptil herbivoro temprano que tlegó a crecer entre 11 y 12 puigadas (28 y 30 centimetros) de largo



Thrinaxeden (thrin-AX-uh-don)
A carnivorous synapsid that was closely related to mammais

Cynograthus Sinapsido con un cri grande que el Thrini



A reptile closely related to dinesaurs and crocodiles

Prelacerta

Un reptit relacionado con dinosaurios y cocodritos



3. Complete the puzzle by assembling Pangaea on the globe

Origins of Antarctica

SECTION ELEMENTS

- Plate tectonics interactive
- Pre-dinosaur fossils matching Antarctica and other continents
- Fleshed out recreation of Antarctosuchus
- Reconstructed ancient forest





World of Antarctic Dinosaurs

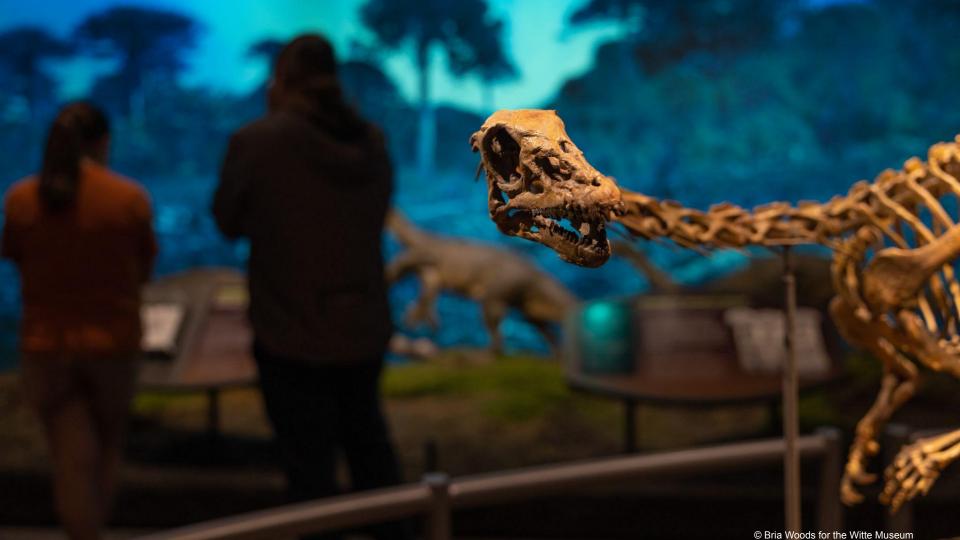
Explore Early Jurassic Antarctica, a lush landscape teeming with dinosaurs that experienced the same polar darkness and auroras we can still observe today. Encounter rare fossils, large-scale replications, touchable casts, and interactive 3D models that bring Antarctica's unique dinosaur species to life. Marvel at Cryolophosaurus, the largest and most complete Early Jurassic theropod in the world and come face to face with a new-to-science sauropodomorph.



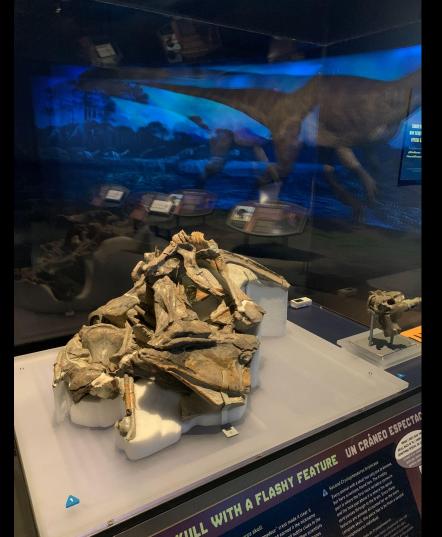












World of Antarctic Dinosaurs

SECTION ELEMENTS

- Recreation of many dinosaurs from Cryolophosaurus Quarry
- Real and cast skeletons
 - Cryolophosaurus
 - Glacialisaurus
 - "Jolly Roger:" the nearly complete skeleton of a juvenile sauropodomorph
- Touchable casts of bones
- Stations focused on anatomical details



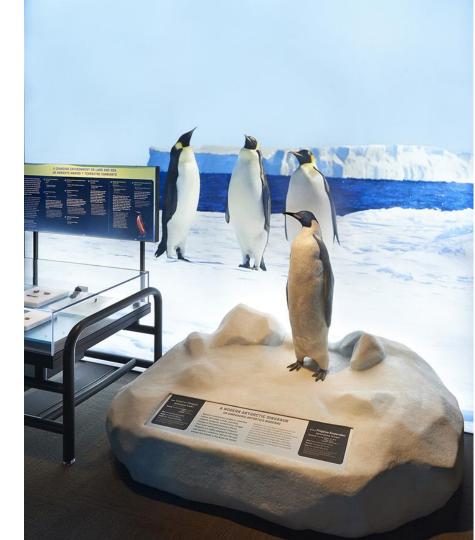
Antarctica Transforms

How did Antarctica become the polar environment it is today? Shifting from the warm Mesozoic Era through the cooling of the continent, investigate the atmospheric mechanisms behind the dramatic transformation to a polar environment. View rare evidence of species from the late and post-dinosaur periods and examine the fauna and flora that call Antarctica home today.

Antarctica Transforms

SECTION ELEMENTS

- "Cooling of Antarctica" interactive
- Cretaceous dinosaur fossils
- Replicated penguin





Lessons from Antarctica

The research currently happening in Antarctica extends well beyond the excavation of dinosaurs. Together with the study of diverse scientific disciplines in the region, the examination of dinosaurs allows for a greater understanding of our planet's past, present, and future climate transitions.







Lessons from Antarctica

SECTION ELEMENTS

- Multi-layered map of Antarctica
- Ice core technology
- Meteorites from Antarctica
- Participatory/Reflection experience



Antarctic Dinosaurs

This exhibition was organized by the Field Museum.

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