

A touring exhibition by the Australian Museum

TYRANNOSAURS

EXHIBITION OVERVIEW

MEET THE FAMILY





OVERVIEW

IF YOU THINK YOU KNOW T. REX – THINK AGAIN

This exhibition brings the latest tyrannosaur discoveries to life, overturning our preconceptions about these ferocious predators.

While the most famous is the mighty *T. rex*, tyrannosaurs came in all shapes and sizes and from all over the globe, and their history goes back more than 100 million years. New tyrannosaurs, like the crested *Guanlong* from China, are changing and challenging our understanding of the evolution of these iconic, well-loved dinosaurs.



Explore the diversity of tyrannosaur skulls and discover how differences in structures can reveal different hunting or feeding strategies.



This interactive touchscreen game educates users about the tyrannosaur family tree.

The exhibition explores the 'most feared and revered' of all dinosaurs in new and different ways.

The exhibition's real and replica specimens are not only spectacular in scale and form, but also reveal some of the most significant discoveries in paleontology of the past decade. *Tyrannosaurs* offers visitors a look at rare and magnificent fossils, reconstructing the life-sized skeletons of these terrifying carnivores like you've never seen before.

One of the most exciting developments in dinosaur paleontology over the past five years has been the discovery of early Asian tyrannosaurs – the ancestors of later giants like *T. rex*. Discoveries like this are changing the story of the evolution of tyrannosaurs. New research is also shedding light on the true character of *T. rex*, the most 'extreme' tyrannosaur.



Hands-on fossil casts add a tactile educational experience.





1 of 5 complete tyrannosaur cast skeletons.

Tyrannosaurs presents exceptional fossils as well as striking life-sized skeletons and models.

Interactives in the exhibition help visitors learn about the evolution of the tyrannosaurs and the latest scientific stories behind these remarkable creatures. *Tyrannosaurs* incorporates innovative multimedia experiences to engage audiences of all ages.

Tyrannosaurs takes a playful approach to presenting the exhibition elements, while ensuring layered content is available to explore the science behind this most popular dinosaur group.



COME FACE-TO-FACE WITH LIFE-SIZED TYRANNOSAURS



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Overturning our preconceptions, the life-sized *Guanlong* diorama highlights the creature's proto-feathers and moderate size - both newly discovered features of early tyrannosaurs.

WHAT IS A TYRANNOSAUR?

Discover how tyrannosaurs fit into the dinosaur family tree and explore the key features that define a tyrannosaur - features that make them different from other dinosaur groups.

Visitors enter the exhibition and come face-to-face with a life-sized tyrannosaur ... only to discover it's a little bigger than they are! Here, they meet *Guanlong*, one of the earliest tyrannosaurs.



Educational infographics help contextualize the diverse and long evolutionary story of tyrannosaurs.





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MEET THE FAMILY

Visitors are immersed in a large-scale projection experience, which introduces them to the tyrannosaur families. Set in a familiar - yet unexpected - context, the visitor will see how tyrannosaurs came in a range of sizes and shapes; some with feathers, some without, some much more threatening than others. Being surrounded by numerous different tyrannosaurs, interacting with each other and the urban environment, will be an unforgettable and unique visitor experience and a powerful introduction to these fascinating creatures.



Tyrannosaurs rendezvous for a family reunion in a fun, immersive video projection (which can feature your city) with animations based on the latest scientific research.



**EXPERIENCE HOW IT FEELS TO STAND
ALONGSIDE THESE AMAZING PREDATORS**



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The timeline interactive reveals how natural selection, continental drift, and climate change facilitated the evolution of tyrannosaurs.

EXPLORE THE FAMILY

Tyrannosaurs lived in different habitats, at different times, and evolved to fill different ecological niches. Here, the experience opens up to allow visitors time to investigate the tyrannosaur families in detail. What do we know about them and how? What don't we know? Visitors learn about the evolution of the tyrannosaur families, revealing how natural selection, continental drift, and climate change facilitated their transformation from carnivores little bigger than ourselves, to massive top predators.

This section comprises a combination of specimens, casts, models, and interactives. The visitor will learn about the specimens themselves and be given contextual information such as time, place, concepts on behavior based on the fossil evidence, habitat from geological sources, and 'behind the scenes' information about the discoveries themselves. Marvel at complete cast skeletons and skulls of *Dilong*, *Lythronax*, *Albertosaurus*, *Daspletosaurus*, *Teratophoneus*, *Tarbosaurus*, and *Appalachiosaurus*.



A centrally located, large multi-touch, multiplayer game explores the tyrannosaur family tree. Played across three large screens, synched to show a seamless image of the tyrannosaur cladogram, visitors are invited to break eggs (by touching and tapping them), hatch a dinosaur, and fit it onto the family tree (clues are available if needed). But players, beware! The dinosaurs need controlling as they tend to prefer playing with the museum crates, tin drums, balls, tires, and bits of steak that populate the table. These can also be manipulated by the user, providing an additional level of entertainment for kids and kids-at-heart.



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T. REX – THE ULTIMATE

T. rex was the ultimate tyrannosaur – learn what makes it one of the most formidable predators that ever lived.

The focal piece of this section is the cast of “Scotty,” one of the largest and most complete *T. rex* specimens in the world. Connected to Scotty is a suite of exhibit stations that reveal what made *T. rex* the ultimate predator and the wealth of research (and debate) surrounding this fascinating creature.

Touch casts of a fossilized *Triceratops* leg bone, fossilized teeth of *T. rex*, and coprolite. Assemble spare parts from a “bone bank” in a multi-touch large-format 3-D puzzle of the skeleton of “Sue,” another famous *T. rex* specimen.

Get inside the head of *T. rex* and learn how *T. rex* used its eyes, ears, and nose. Watch the video to find out how sensitive the tyrant lizard king’s senses really were. But not all is as it seems! Scotty’s shadow has a life of its own. A favorite with visitors of all ages, it also provides great photo opportunities and highlights the massive scale of the mighty *T. rex* compared with humans.

▲ The giant *T. rex* shadow comes alive to surprise, startle, and delight the visitor.



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LATEST FINDINGS FROM CHINA ARE RE-WRITING T. REX'S HISTORY

T. REX ALIVE!

Get up close and personal with *T. rex* and a host of other tyrannosaurs in this cutting-edge augmented reality interactive experience. How does it feel to stand alongside these amazing predators?

Visitors encounter a huge wall of what appears to be security camera footage of various spaces in the exhibition. Slowly, tyrannosaurs can be seen 'breaching' various museum areas and entering the gallery spaces. Soon, they enter the exhibition itself and interact with the visitor in real time.

This interactive has proven to be a favorite, voted the 'people's choice' experience in the exhibition as it is surprising and immersive for the visitor and excites audiences of all ages.



The augmented reality experience has been a crowd favorite.





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TYRANNOSAURS – THE LEGACY

Tyrannosaurs thrived for 100 million years and were some of the largest and most successful predators ever. Despite their final demise during one of Earth's biggest mass extinction events, tyrannosaurs live on – in our imagination, our culture, and in their bird cousins in our backyards.

The final part of the exhibition narrative presents the legacy of tyrannosaurs and asks how they still impact our lives. Bringing the story full-circle, it reveals how the latest findings from China are re-writing *T. rex*'s history, covering both the extinction of the tyrannosaurs, and how their cousins – the birds – survive today.



From dinosaur
to bird.





SPECIFICATIONS

Space Required	6,500 - 10,000 sq. ft.
Minimum Ceiling Height	14 ft. required throughout, 19 ft. required for <i>T. rex</i>
Minimum Booking Period	3 months minimum
Production Time	12 working days for installation, 8 working days for de-installation
Freight	3 x 53 ft. trailer; 1 x 20 ft. climate-controlled vehicle



australianmuseum.net.au

The Australian Museum is a leading cultural attraction located in the heart of Sydney's central business district.

Founded in 1827, it's Australia's first museum, inspiring generations of visitors to explore nature and culture and offering a diverse array of public programs for all ages. It hosts everything from world-class exhibitions and ever-changing special displays to dynamic events and innovative learning services.

The Museum also houses the largest natural science and cultural collection in Australia - with more than 21 million objects representing the environmental and cultural histories of the Australian and Pacific regions.

The Museum has a long history of developing and producing permanent, temporary and touring exhibitions, including international blockbusters such as *Spiders - From Fear to Fascination*.

Our Exhibitions are built on:

- **Rigorous, contemporary science**
- **Localised content**
- **Engaging and interactive multimedia**
- **Quality and innovation**

***Tyrannosaurs - Meet the Family* is an exhibition created by the Australian Museum and available for placement through Evergreen Exhibitions starting Fall 2022**



evergreenexhibitions.com

Evergreen Exhibitions, one of the largest traveling museum exhibit companies serving science centers and natural history museums in the world, has mounted and toured some of the best-known and best-attended interactive exhibitions in the U.S. over its three-decade history.

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Additional information about the exhibition can also be found at australian.museum/touring