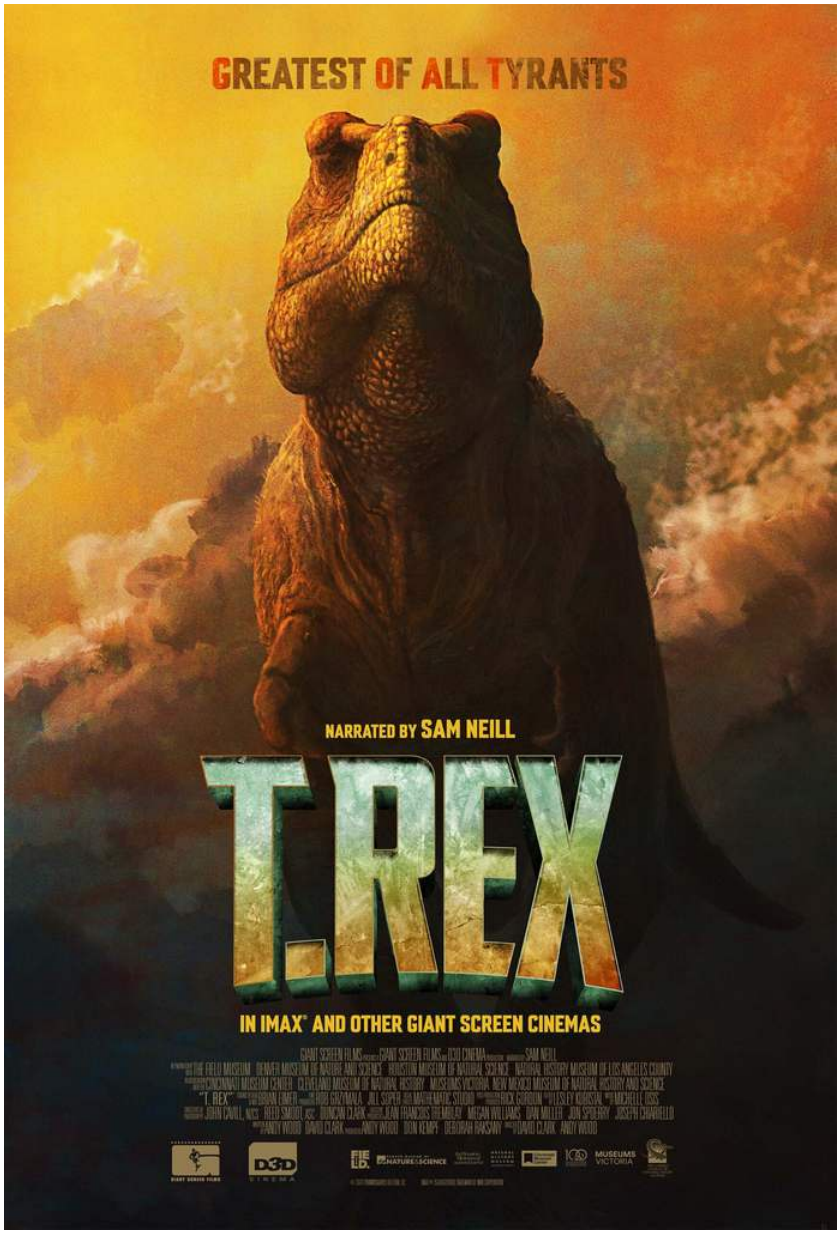
Omni Theater Educator Resource

Fort Worth Museum of Science and History

FILM OVERVIEW

This giant-screen documentary uses cutting-edge CGI and the latest paleontological research to explore how this predator lived, grew, and hunted during the Late Cretaceous period. Students will see realistic reconstructions of T. rex at different stages of life—from a vulnerable hatchling to a powerful adult—while learning about its anatomy, senses, and role at the top of its ecosystem. The immersive visuals help bring prehistoric environments to life, showing the landscapes and other dinosaurs that shared the world with this legendary predator.



Throughout the film, students will also learn how scientists study fossils to understand animals that lived more than 65 million years ago. The documentary highlights famous tyrannosaur specimens and major discoveries that have shaped what we know today. By examining fossil bones, footprints, and other evidence, paleontologists piece together clues about how T. rex moved, hunted, and interacted with other species. The film emphasizes how scientific ideas change as new discoveries are made, helping students see science as an ongoing process of investigation, evidence, and revision.

A key storyline follows the real-life discovery of a teenage T. rex fossil found by three young fossil hunters—a discovery that made international headlines and excited scientists around the world. Narrated by Sam Neill, the film connects this modern discovery with more than a century of research into tyrannosaurs. Students will see how curiosity, teamwork, and careful scientific study can lead to important breakthroughs, and they will gain a deeper appreciation for the work of paleontologists and the excitement of uncovering Earth's ancient history.

CLASSROOM CONNECTIONS

- Demonstrates how scientists use evidence, observation, and collaboration to study prehistoric life.
- Explores how physical traits help animals survive and function within ecosystems.
- Shows how fossils provide evidence of organisms that lived long ago, including the Tyrannosaurus rex.
- Highlights how scientists use fossil evidence to understand Earth's past environments and life forms.
- Connects fossil discoveries to scientific understanding of species change and ancient biodiversity.

For more educator resources & classroom activities, visit: https://trex-film.com/

Extension ideas for teachers:

- Design a Dinosaur – Students draw and label their own dinosaur adapted to survive in a prehistoric ecosystem. They should explain how features like teeth, claws, or body size help the animal survive.
- Ancient Ecosystem Food Web – Students create a simple food web showing how plants, herbivores, and predators interacted during the Cretaceous Period.
- *Ask students, "Based on the fossil evidence and what you saw in the film, how do scientists decide what a dinosaur like the Tyrannosaurus rex looked like and how it behaved? How might new discoveries change what we currently believe?"*

TEKS:

Science

K: 1A-C, 2A-D, 10A, 10B
1ST: 1A-C, 2A-D, 12A, 12B
2ND: 12A, 12B
3RD: 12B, 12D, 13A
4TH: 12A, 12C
5TH: 12A, 13A
6TH: 12A
7TH: 10A
8TH: 11A
High School Biology– 9A, 9B

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