



MEET

REXIE
THE T-REX™

STUDY GUIDE

Touch a Baby T-REX



Meet REXIE the T-Rex!

Tyrannosaurus rex is the most famous dinosaur ever, appearing in films, books and advertisements worldwide. One reason for its fame is the sheer size of this awesome predator. Another is its ferocious reputation as a killer. They ate their way through bones, armor skin, and even spikes! It was also one of the first meat-eating dinosaurs to be put on display in a museum. (Discussion questions for this meet and greet encounter are available on page 5.)

T-REX

was long as a bus and twice as heavy as an elephant, and yet it carried this huge bulk on only two legs. Three-toed feet allowed this heavy animal to plod along at a steady trot. This fearsome predator had pointed teeth that could tear skin and muscle, and even crush bone. Adult Tyrannosaurus rex's head was about 5 feet long.

TYRANNOSAURUS REX (TIE-ran-oh-SORE-us)

DATE:
70-65 mya
Cretaceous

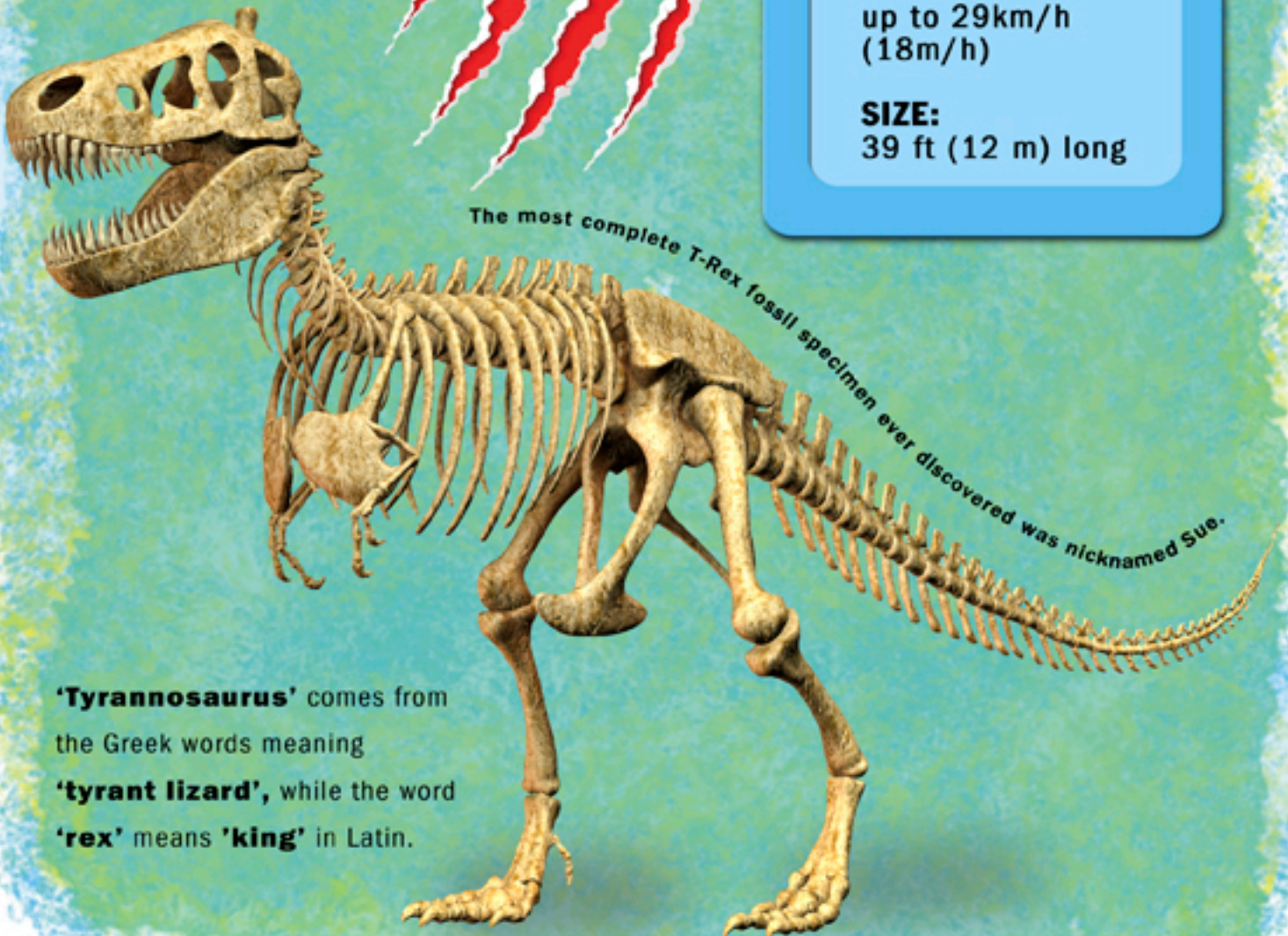
LOCATION:
USA, Canada

WEIGHT:
About 6 tonnes

DIET:
Carnivorous

SPEED:
up to 29km/h
(18m/h)

SIZE:
39 ft (12 m) long



The most complete T-Rex fossil specimen ever discovered was nicknamed Sue.

'**Tyrannosaurus**' comes from the Greek words meaning '**tyrant lizard**', while the word '**rex**' means '**king**' in Latin.



The T-Rex had a very good sense of smell. It could smell its prey up to one mile away. Its forward pointing eyes, which gave it better depth perception, points to evidence that it was a great hunter.

Did You Know?

Like all Theropod dinosaurs, the T-Rex was a two-legged giant and was much bigger than other species, standing over 13 feet tall at the hips and 40 feet long with a huge tail to balance its giant skull.

The T-Rex had a giant skull and a thick, muscular neck. It had a big lower jaw and up to 60 razorlike teeth that were long as knives and just as sharp!

T-Rex had very bad breath. Some experts think the shards of rotten, bacteria-infested meat lodged in its numerous teeth gave T-Rex a "septic bit," which may have infected (and eventually killed) wounded prey.

T-Rex had one of the strongest most powerful bites. It chomped its prey with 1,500 to 3,000 pounds of force, comparable to a modern alligator.

T-Rex was an "apex" predator." This meant that it was the biggest fiercest predator of its time—and nothing was large enough to eat it.

The T-Rex was the biggest killer in the land during the Cretaceous Period. It was huge, strong and could kill any land animal—big or small.

T-REX FACTS:

- 1** Tyrannosaurs rex lived in an area of the Earth that now makes up western North America.
- 2** The T-Rex was one of the first giant meat-eating dinosaurs to be put on display in a museum.
- 3** Many believe the myth that the T-Rex had puny, useless arms. However, its heavy bone structure and large areas for muscle attachment indicates its biceps alone could lift 439 pounds.
- 4** The female T-Rex was bigger than the male. They outweighed their male counterparts by a few thousand pounds based on the size of existing fossils and the shapes of the hips.
- 5** Dinosaurs evolved into birds. Some paleontologists (dinosaur experts) believe that the T-Rex were covered with feathers when they first hatched out of their eggs.

Tyrannosaurus rex could run 20 miles per hour and could cover 15 feet in one step.



REXIE the **T-Rex**



Get face-to-face with Rexie a life-size baby T-Rex. Rexie is an anatomically perfect, realistic, walk-around puppet which stands over 8' tall and 12' long. Everyone loves to make friends and get their picture with Rexie! For a roaring good time, experience this thrilling, once-in-a-lifetime, prehistoric encounter.

POST MEET & GREET QUESTIONS

(for teachers to ask students):

- **How do you think the puppeteer made the Tyrannosaurus rex move?**
- **What was your favorite part about meeting Rexie, the baby T-Rex?**
- **Explain the most fascinating fact you learned about the dinosaur.**
- **Are there still dinosaurs on the Earth today?**
- **What do you think was Rexie's favorite food in the Cretaceous period?**

- **If you are a paleontologist, describe your job?**
- **Why do scientists study dinosaur bones and other fossils?**
- **What do you think happened to the dinosaurs?**
- **How do we know that some dinosaurs evolved from birds?**

- **Why are people so fascinated by dinosaurs?**
- **If you were a dinosaur, which one would you be?**
- **What would you like to know about dinosaurs that no one knows?**