

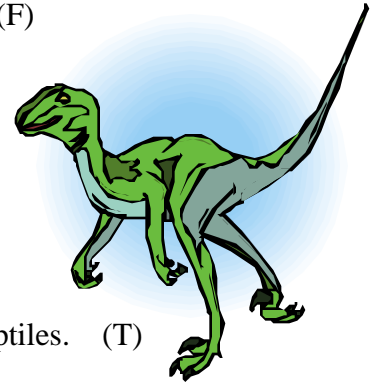
# THE WORLD OF THE DINOSAURS TEACHER'S GUIDE

The *World of the Dinosaurs* is a program designed for kindergarten through third grade classes. Emphasis will be on the dinosaurs themselves. What were they like? How big were they? What did they eat? When did they live? Attention will also be given to creatures that were not dinosaurs but are mistaken for them.

This program is two part in structure. The first half is done outside the planetarium and involves some dinosaur bone reproductions, teeth, skin impressions and various models. It is presented live and questions are taken throughout. Part two takes place inside the planetarium. It consists of a 20 minute taped program on dinosaurs and makes a well-rounded and enjoyable finish to the program. The taped section ends with a short question and answer period, as well as a brief discussion about the extinction of the dinosaurs 65 million years ago.

## TRUE OR FALSE STUDY QUESTIONS

1. Dinosaurs lived at the same time as cavemen and cavewomen. (F)
2. All dinosaurs were very large. (F)
3. Dinosaurs laid eggs. (T)
4. We now call the Brontosaurus the Apatosaurus. (T)
5. All dinosaurs had small brains and were stupid creatures. (F)
6. The flying pterodons were not really dinosaurs but were flying reptiles. (T)
7. All dinosaurs were slow and clumsy creatures. (F)
8. Woolly mammoths and saber-toothed tigers lived at the same time as the dinosaurs. (F)
9. Scientists believe that Apatosaurus (Brontosaurus) spent most of its time wading in the water and in swamps. (F)
10. Plesiosaurs were swimming reptiles and were not dinosaurs. (T)
11. The two types of animals alive today that are most closely related to the dinosaurs are reptiles and birds. (T)
12. Scientists that study bones and fossils are called Paleontologists. (T)

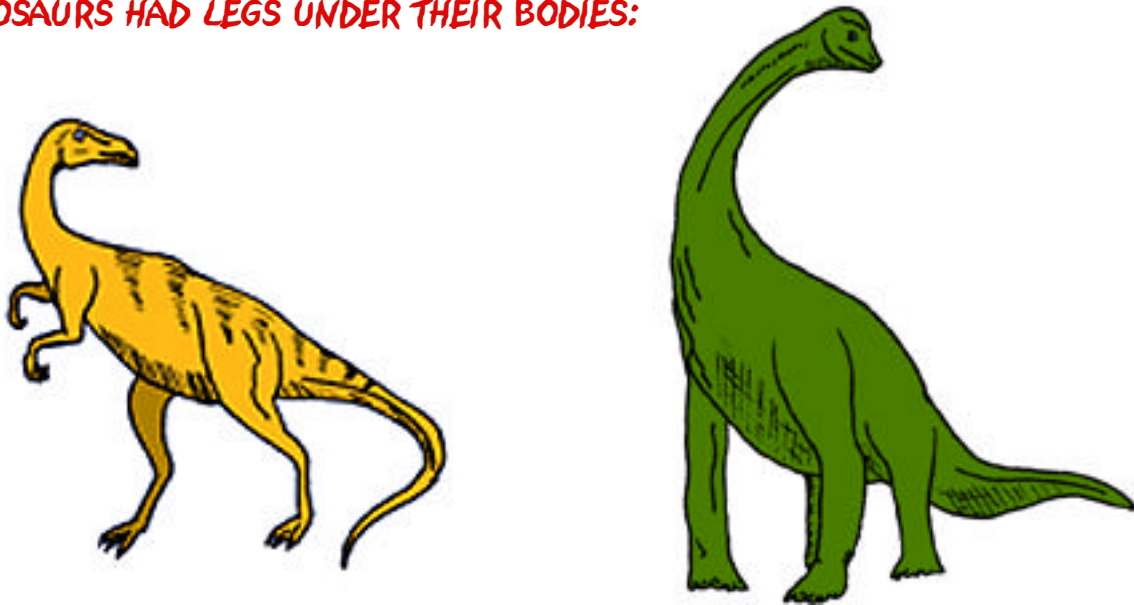


## WHAT'S THE DIFFERENCE BETWEEN DINOSAURS AND REPTILES?

The most common answer to this question is size. But actually, this is not the correct answer. While most dinosaurs were huge, there were many that were also small. The smallest dinosaur, *Compsognathus*, was no larger than a chicken!

The biggest *real* difference between the dinosaurs and reptiles is the way that their legs attached to their bodies.

### DINOSAURS HAD LEGS UNDER THEIR BODIES:



### REPTILES HAVE LEGS THAT COME OUT OF THE SIDES OF THEIR BODIES:



Would this have made the dinosaurs walk differently than today's reptiles? How?

## SOME FAMOUS DINOSAURS

### PLANT EATERS:



**Ankylosaurus** (ang-kile-uh-SAWR-us) 17 feet long and weighed 5 tons. This was the most heavily armored dinosaur.



**Apatosaurus** (ah-PAT-uh-SAWR-us) 70 feet long and weighed 25-30 tons. This dinosaur was once called the Brontosaurus.

**Brachiosaurus** (BRAK-ee-uh-SAWR-us) 75 feet long and weighed 75 tons. One of the largest dinosaurs, Brachiosaurus has an identifying bump on his head.



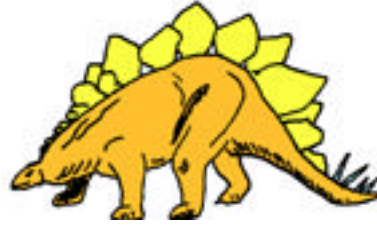
**Diplodocus** (dih-PLOD-uh-kus) 88 feet long and weighed 12 tons. Diplodocus may have had a hole in its forehead for breathing while eating. It also had a long whip-like tail.

**Hadrosaurus** (HAD-ro-SAWR-us) 30 feet long and weighed 3 tons. The first dinosaur found in North America.



**Iguanodon** (I-GWA-no-don) 29 feet long and weighed 5 tons. Iguanodon was one of the first dinosaurs discovered. It had sharp spiked thumbs for defense.

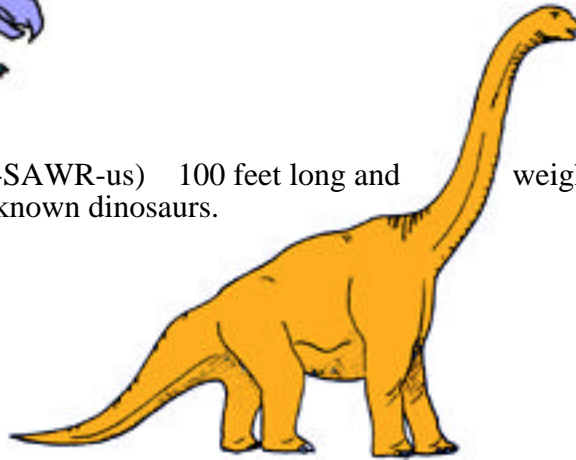
**Stegosaurus** (STEG-uh-SAWR-us) 30 feet long and weighed 2 tons. Stegosaurus had large plates on its back that helped to cool its body.



**Triceratops** (try-SAIR-uh-tops) 30 feet long and weighed 8 tons. Triceratops had two long horns and a beak. It was one of the last dinosaurs to become extinct.

**Ultrasaurus** (UL-truh-SAWR-us) 100 feet long and was one of the largest known dinosaurs.

weighed 80 tons. Ultrasaurus



## MEAT EATERS:

**Allosaurus** (AL-uh-SAWR-us) 36 feet long and weighed 2-3 tons. A medium sized meat eater that has been found in abundance throughout North America.

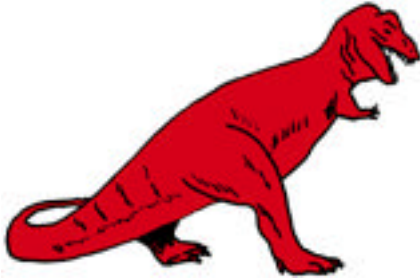


**Compsognathus** (komp-sug-NAY-thus) 2 feet long and weighed 6 pounds. The smallest dinosaur, about the size of a chicken.

**Deinonychus** (dine-ON-ik-us) 9 feet long and weighed 175 pounds. It had a big sickle-shaped claw it used to attack its prey.



**Megalosaurus** (MEG-ah-lo-SAWR-us) 30 feet long and weighed 3 tons. One of the first to be discovered.



**Tyrannosaurs** (tye-RAN-uh-SAWR-us) 45 feet long and weighed 8 tons. One of the largest meat eating dinosaur, it had teeth six inches long.

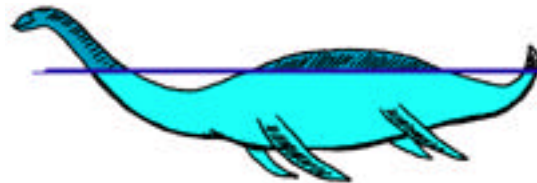
## SOME FAMILIAR NON-DINOSAURS:

**Dimetrodon** (di-met-TRO-don) 12 feet long. Dimetrodon was *not a dinosaur*, it was a reptile that lived before the dinosaurs. It had a large fin on its back for cooling. It was a meat eater.



**Pteranodon** (ter-AN-o-don) 35 foot wingspan. Pteranodon was the largest flying reptile. *It was not a dinosaur.*

**Plesiosaur** (ples-EE-o-SAWR) 10-15 feet long. Plesiosaur were sea-going reptiles that lived at the same time as the dinosaurs. *They were not dinosaurs.* Some people think that the Loch Ness monster could be a plesiosaur.

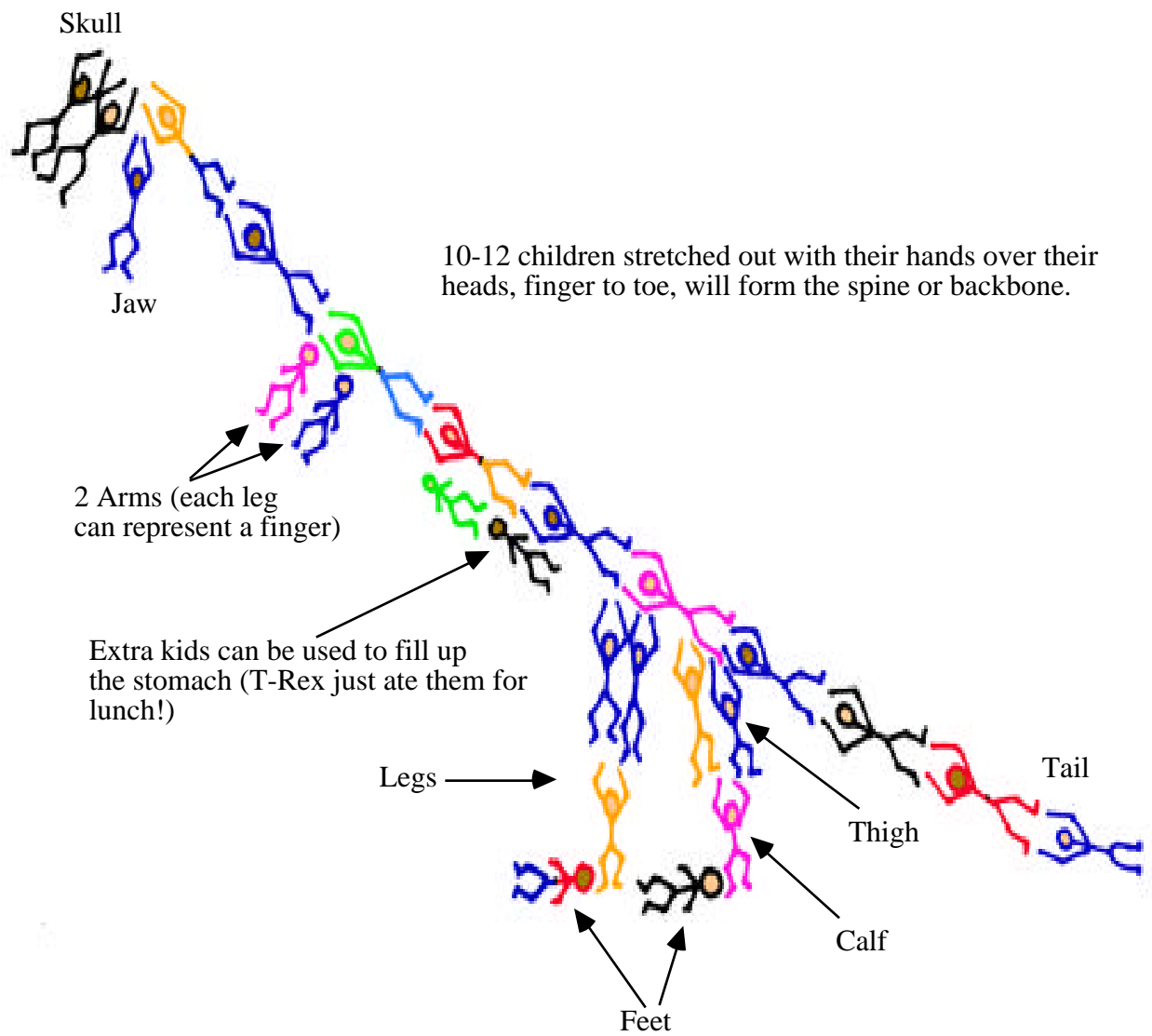


**Woolly Mammoth** 15-18 feet long and weighed 7 tons. It lived after the dinosaurs. It was a mammal related to the elephant.

# A LIFE SIZED MODEL OF TYRANNOSAURS MADE OF KIDS!

## MATERIALS NEEDED:

- Approximately 25 children who are eager to learn about dinosaurs.
- A clear, *CLEAN* floor space approximately 40 feet by 20 feet.



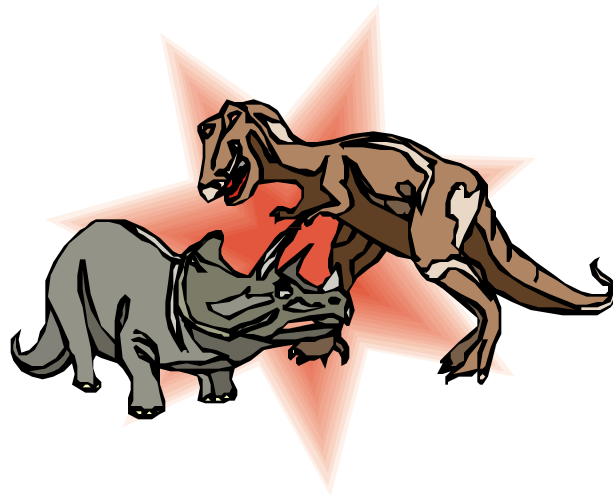


## DINOSAUR WORD SEARCH PUZZLE

D A P A T O S A U R U S X W D J K C F T  
I C L G E P T E R A N O D O N F T P O R  
P L A F E A E N C T O V I J H D E F W A  
L W N J T N G Q F L N K R R M I K G F C  
O H T W H D O B U S A T S B O N E S G K  
D P S L M K S S H N B W H Q V O F D P S  
O R L T Y R A N N O S A U R U S L B L J  
C T R A S V U C B S R N B T P A B L I B  
U K R P T R R M J F G N K T J U C S L G  
S T G N A E U E K D H O S W N R S K B H  
G K J P I V S A P R E H I S T O R I C R  
P X U G L C L T X T R I C E R A T O P S  
C R N L M B D R P K I F D H K L G D B P  
S M A L L G M A M M A L S P T D B A S F  
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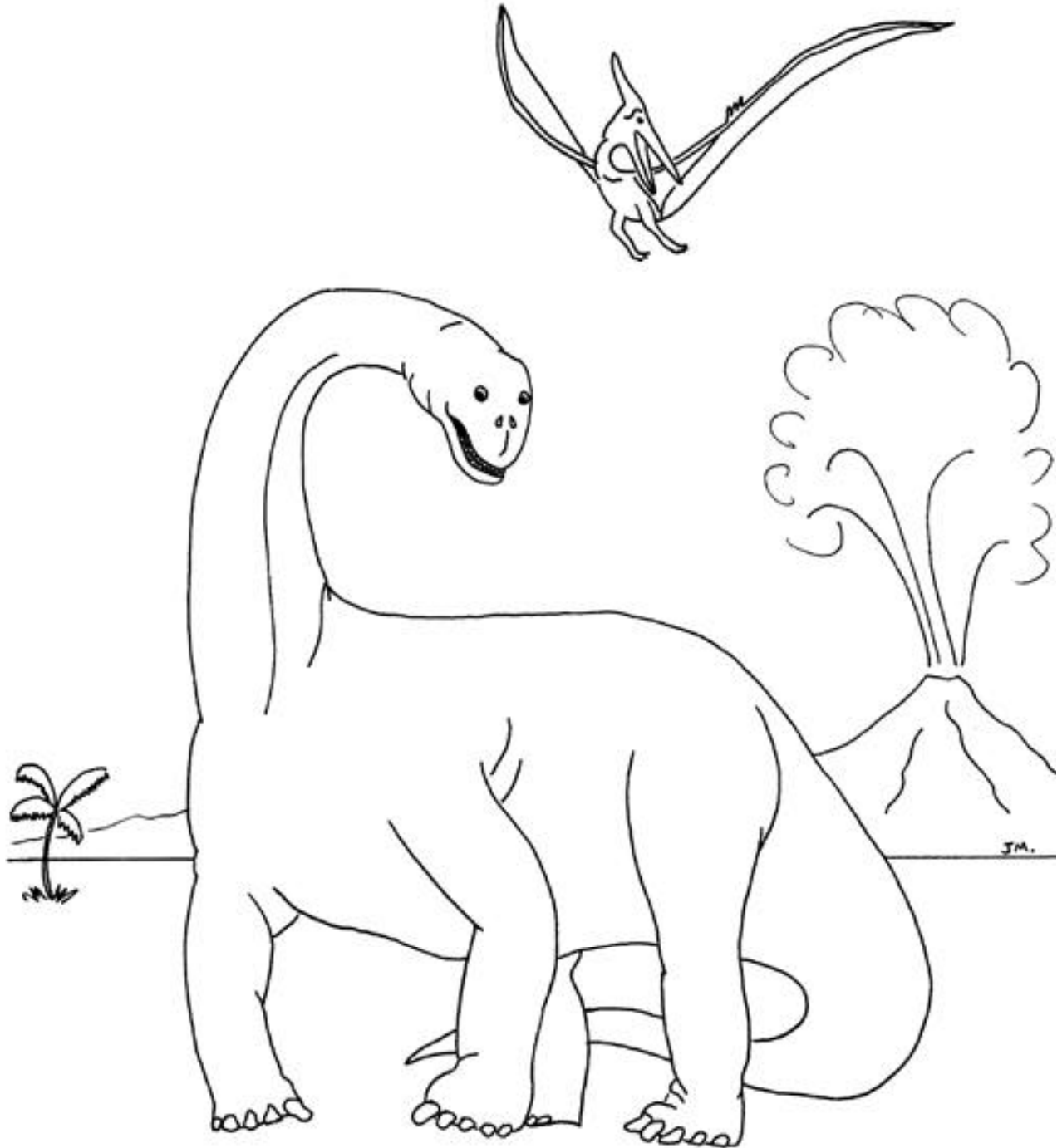
APATOSAURUS  
STEGOSAURUS  
TYRANNOSAURUS  
TRICERATOPS  
DIPLODOCUS  
PTERANODON  
EXTINCT  
TEETH  
BIG  
BONES  
HORNS  
CLAW



MEAT  
PLANTS  
REPTILE  
DINOSAUR  
MAMMALS  
PREHISTORIC  
TRACKS  
SKULL  
SMALL  
EGGS  
PLATES  
TAIL

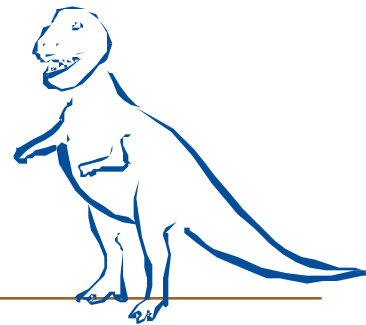
GOOD LUCK!!

# COLOR US !





## BIBLIOGRAPHY FOR DINOSAUR LOVERS



Each entry is followed by a code letter: A-adult level book,  
T-teacher oriented book, Y-youth oriented book.

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