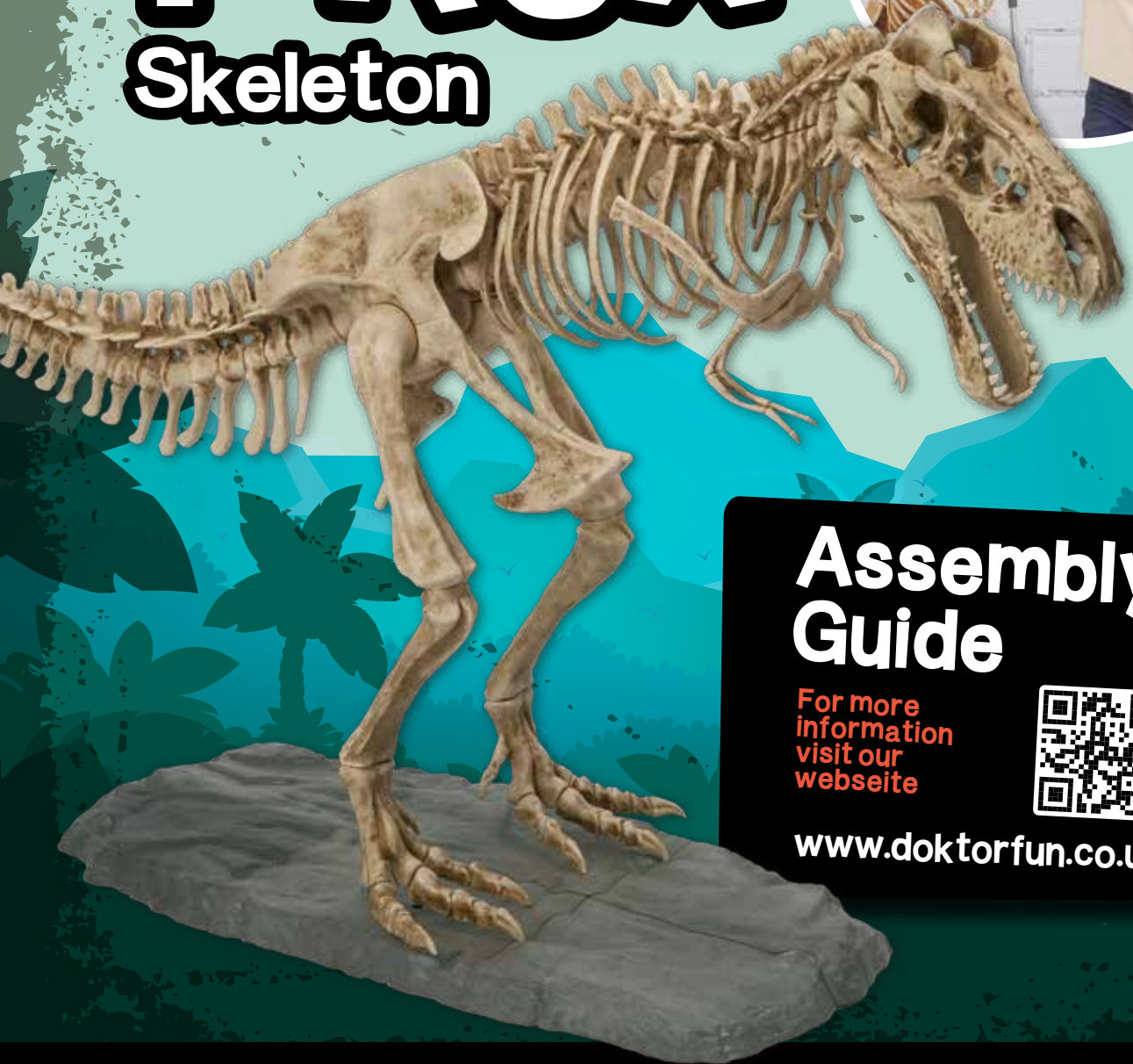


**DOKTOR  
FUN**

**Build & learn**

# **MEGA T-Rex Skeleton**



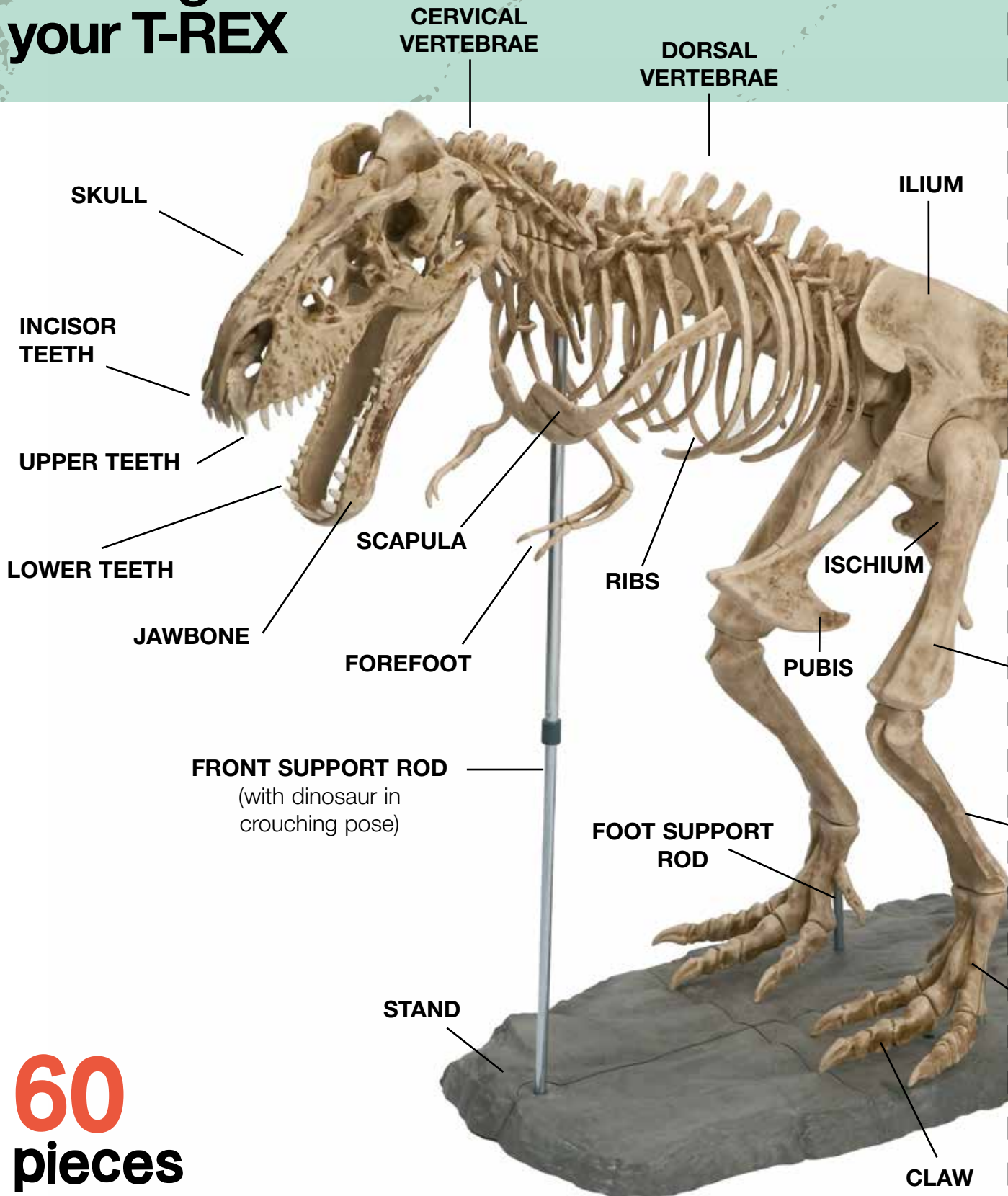
**Assembly  
Guide**

For more  
information  
visit our  
website



[www.doktorfun.co.uk](http://www.doktorfun.co.uk)

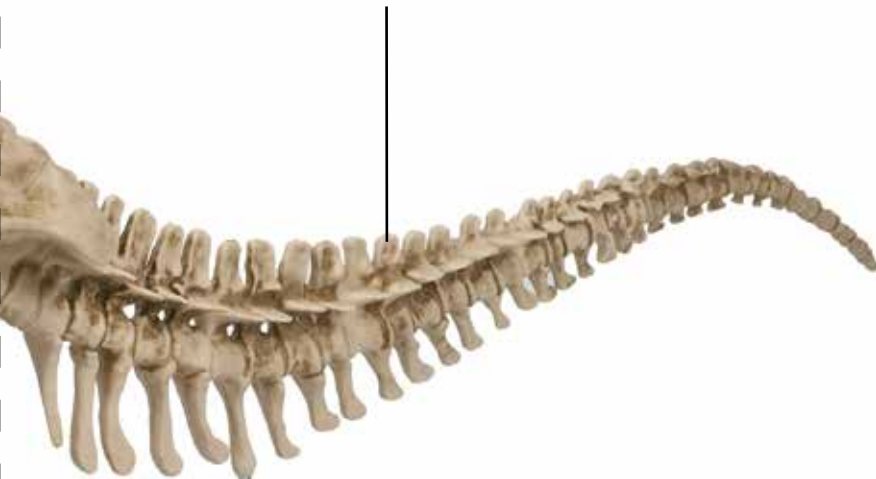
# Building your T-REX



**60**  
pieces

Take care!

CAUDAL  
VERTEBRAE



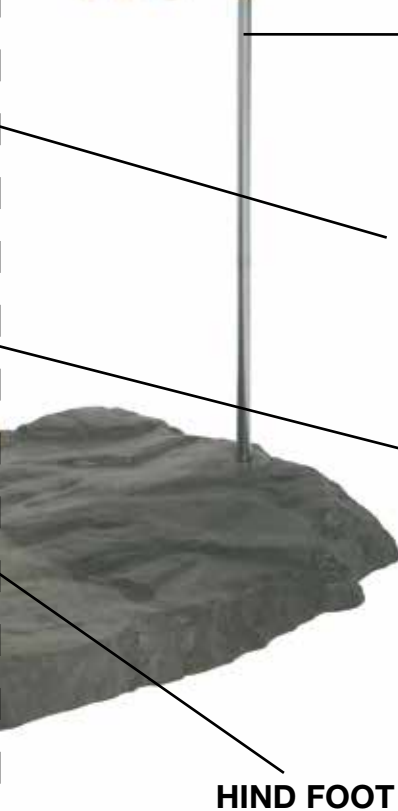
REAR SUPPORT ROD

(with dinosaur in  
crouching pose)

FEMUR

TIBIA

HIND FOOT

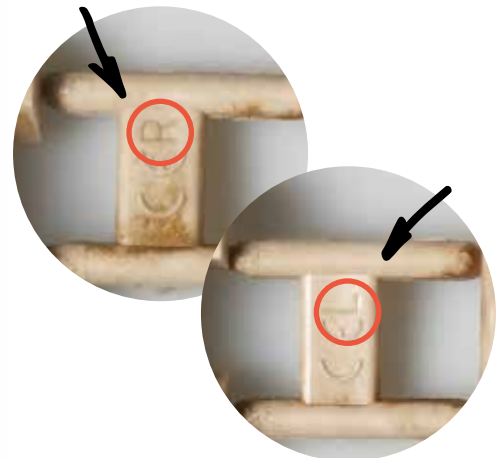


Some of the small bones come mounted on a support frame. To separate them, press gently with your hands to snap the plastic links.



When two pieces are symmetrical, the supports are marked with the letter **R**, for 'right', or **L**, for 'left' to show which piece fits on which side of the dinosaur.

Do not remove these pieces until you are ready to fit them, or you may find that the two get mixed up.





# Skull

The jaw is held in place by the two hinge pins that come on the same moulding as the lower teeth.



Skull

Hard Palate

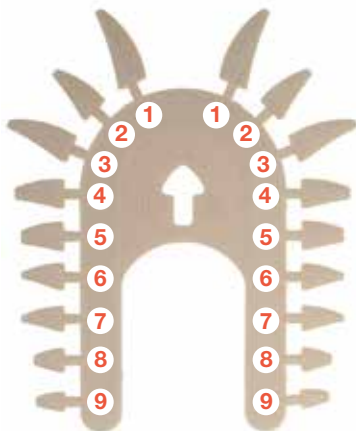


Jawbone



# Teeth

Upper teeth

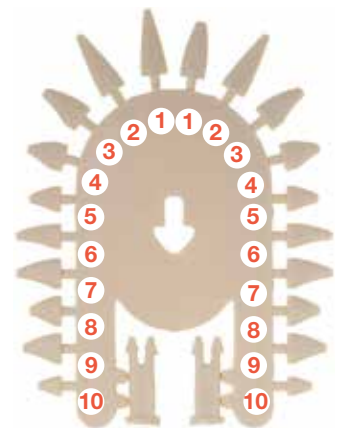


Incisor teeth



Take out one tooth at a time and put it in the jaw, so you don't lose any and confuse where they go.

Lower teeth

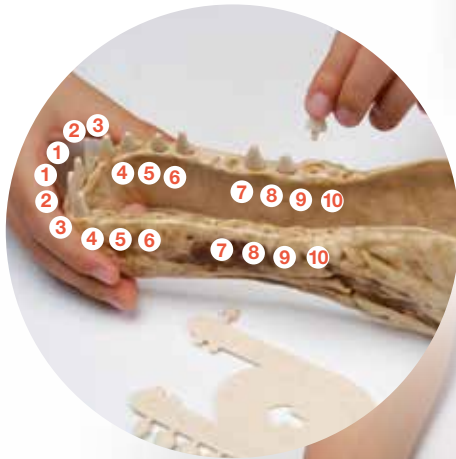


Jaw hinge pins



## 1.

The upper teeth go in the skull, the lower teeth go in the cranium and the incisors go in the roof of the mouth. Take each tooth off its moulding one at a time. Match its number with a socket on the jaw and press it into place.



## 2.

Carefully push the roof of the mouth into the skull.



## 3.

Push the back of the skull into the slot on the back of the roof of the mouth.



## 4.

Find the clip at the front of the skull and the matching hole in the roof of the mouth and press until it clicks into place.



## 5.

Push the back of the skull into the slot on the back of the the roof of the mouth.



## 6.

Connect the jaw to the skull with the two hinge pins that you'll find on the same moulding as the lower teeth.



1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9 10

4 3 2 1 2 3 4

1 2 3 4 5 6 7 8 9

1 2 3 4

# Neck

First group of cervical (neck) vertebrae with spiny projections for each side.



Second group of cervical (neck) vertebrae with spiny projections for each side.



Each group of vertebrae has two symmetrical halves (left and right) with a symmetrical pair of spiny projections that fit on them.

**1.**

Fit the two halves of the second group of vertebrae fit together, pressing the pins into the sockets.



**2.**

Fit the first set of spiny projections onto the second set of cervical vertebrae, by pressing the pins into the corresponding holes.



Repeat on the other side.



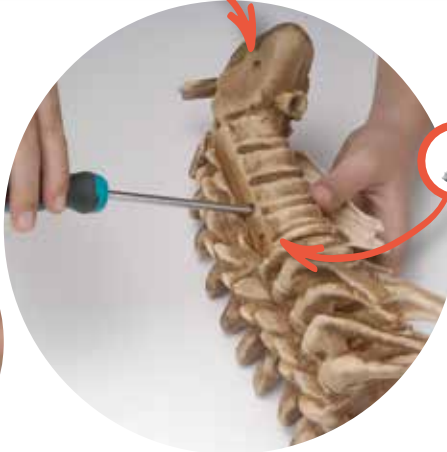
### 3.

Fit the right half of the first group of cervical vertebrae onto the T-shaped connectors on the end of the first group.



### 5.

Join the first group of cervical vertebrae with the two screws shown.



### 6.

Add the spiny projections to both sides of the first group of cervical vertebrae.



### 7.

Fit the post on the first cervical vertebrae into the hole in the back of the skull.



### 4.

Fit the left half of the first group of cervical vertebrae onto the right half and press them together onto the T-shaped connectors on the end of the first group.

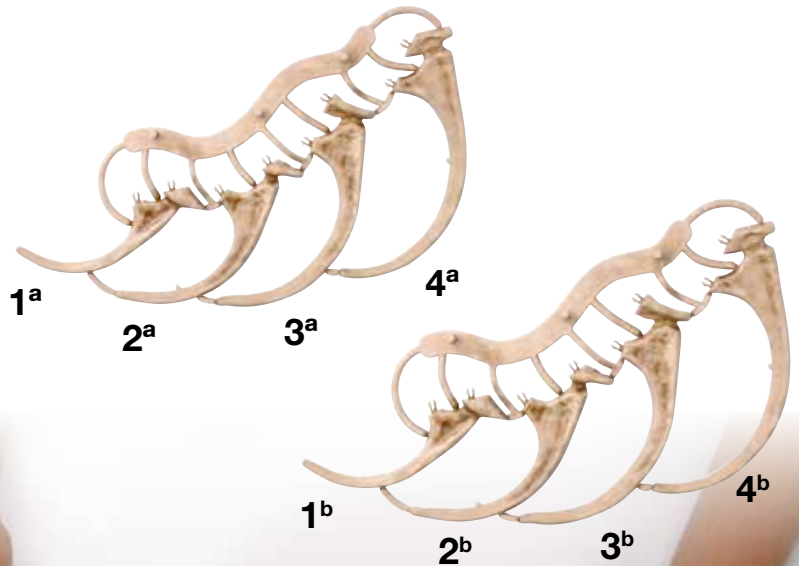
Don't fit the spiny projections onto the first group of vertebrae until you have put the screws in, as the spiny mouldings cover up the screw holes.

# Dorsal vertebrae and ribs

First group of dorsal vertebrae



Upper ribs

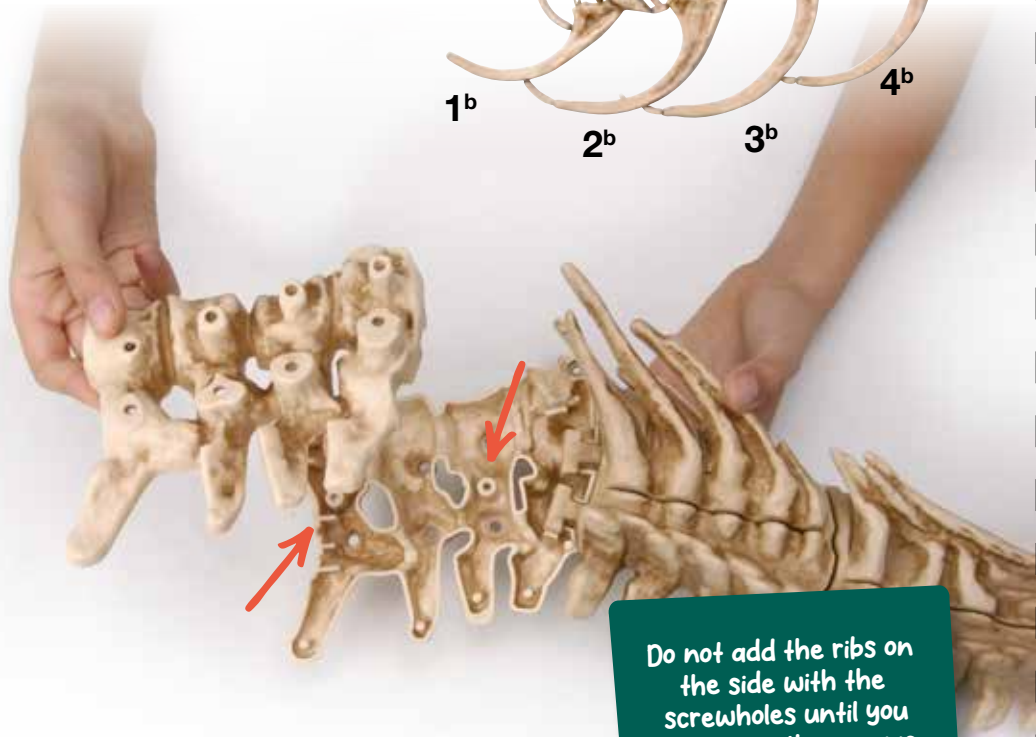


**1.**

Match up one half of the first group of dorsal vertebrae with the T-shaped connector on the end of the cervical vertebrae. Then put the other half on top, pressing the pins into the sockets.

**2.**

Slot the ribs into the holes in the dorsal vertebrae in the order shown.



Do not add the ribs on the side with the screwholes until you have put in the screws - see next page.

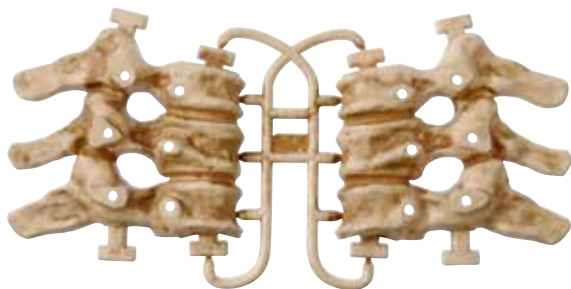




# Dorsal vertebrae and ribs

**MEGA  
T-Rex**

**Second group of dorsal vertebrae**



**Central ribs**



**3.**

Join the two halves of the second group of dorsal vertebrae and fit the T-shaped connectors on one end between the two halves of the first group.



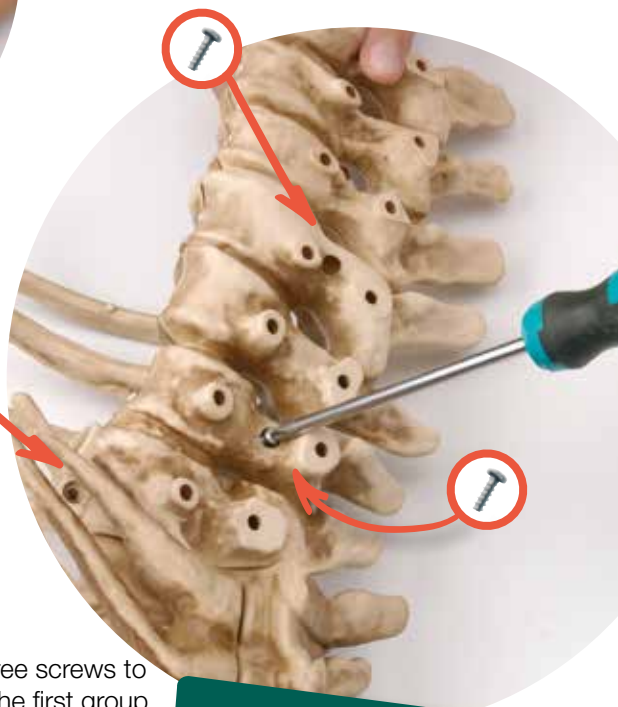
**4.**

Add the three central ribs on each side of the vertebrae.



**5.**

Insert three screws to join the the first group of cervical vertebrae.



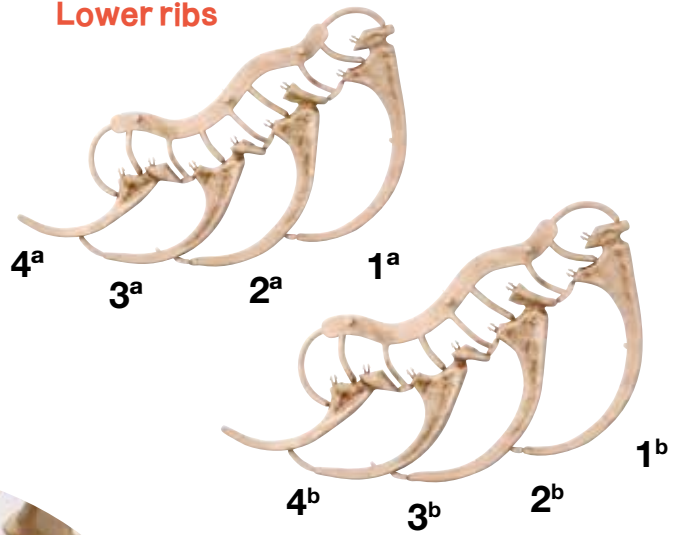
*Note that the pins on the ends of the ribs are spaced differently so they will only fit in certain positions.*

# Dorsal vertebrae and ribs

Third group of dorsal vertebrae



Lower ribs



**6.**

Fit one half of the third group of dorsal vertebrae onto the T-shaped connector on the end of the second group.



**7.**

Then fit the other half on top.



**8.**

Add the four lower ribs onto each side of the vertebrae.



# Forefeet

MEGA  
T-Rex

Left and right halves  
of the scapula



U-shaped  
fixing clips

Left and right forefeet

1.

The left half of the scapula is marked with an L (for left). The thin end of this piece fits onto the fourth rib. Place the longer of the two U-shaped fixing clips around the rib, just above the peg sticking out of the rib. Press the ends of the clip into the holes in the scapula.



2.

Use the shorter clip to fix the centre of the scapula to the second rib, using the same steps as before.



3.

Take the second half of the scapula (marked R for right) and join it to the left half using the pins and sockets at the front. Then clip it to the ribs in the same way you did with the left.



4.

Finally, push the pegs on each forefoot into the holes on each scapula.



# Stand

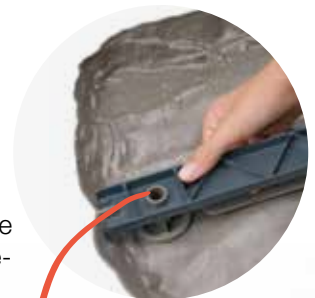
1.

Slot the six pieces of the base together, matching up the pins with the holes.



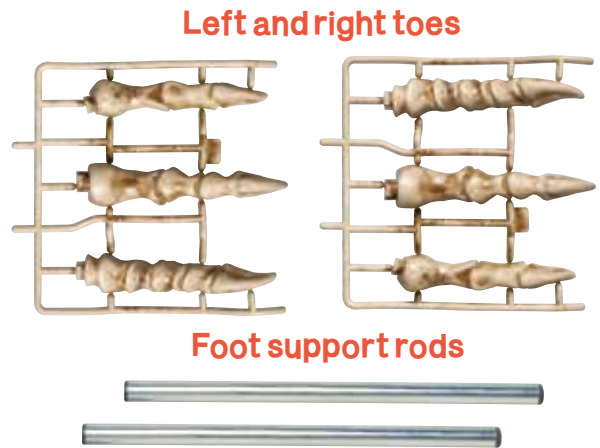
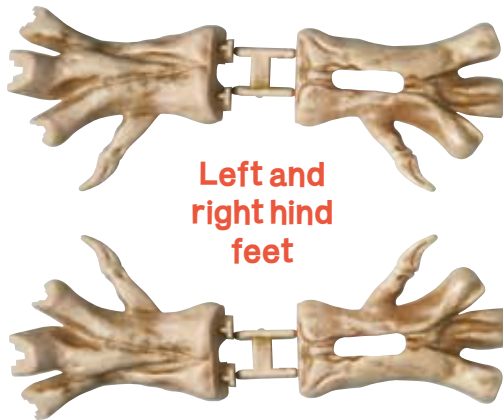
2.

The stand is joined by two struts that fit onto connectors moulded into the stand. Turn the base upside-down and press the struts into place so they join the sections as shown.





# Hind feet



**1.**

Take the upper half of one foot and hook the joint on the end of the outer toe into the corresponding socket in the foot.



Then fit the central and inner toes.

**2.**

Put the lower half of the foot in place. Line up holes with the pins on the upper half then pressing firmly to make sure that they lock together.



**3.**

Complete both feet, then insert the short rods through the holes in the feet. These go into the holes in the base to support the dinosaur's legs.

To make the dinosaur stand securely, insert the rods into the rearward of the holes in the base, with the claws covering the other holes.

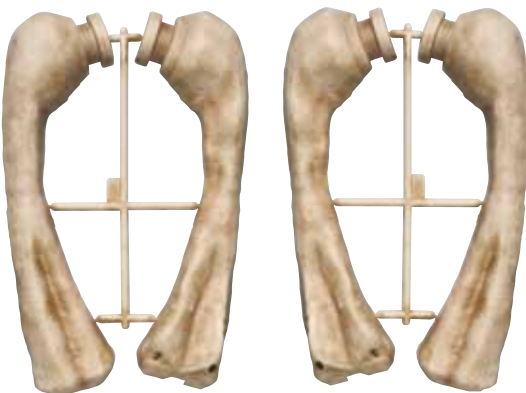
# Legs

# MEGA T-Rex

Left and right  
tibia halves

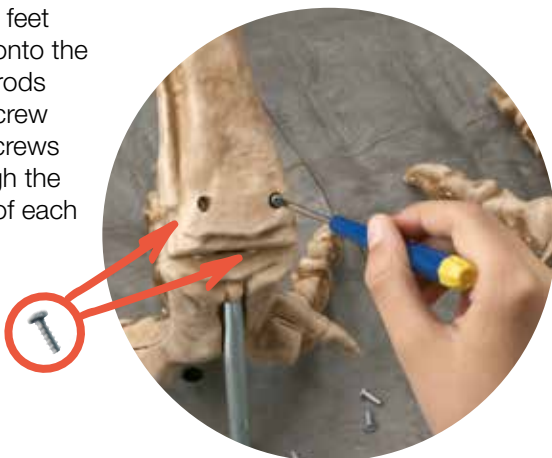


Left and right  
femur halves



## 5.

Fit the feet back onto the fixing rods and screw two screws through the back of each heel.



## 1.

Temporarily remove each foot. Slot the front half of the matching tibia into the joints on top of the claw.



## 2.

Complete the lower leg by attaching the rear half of the tibia. Press firmly so that both pieces lock together. Repeat with the other leg.



## 3.

Taking each leg in turn, fit the 'T'-shaped piece on the end of the tibia into the matching groove on the back half of the femur.



## 4.

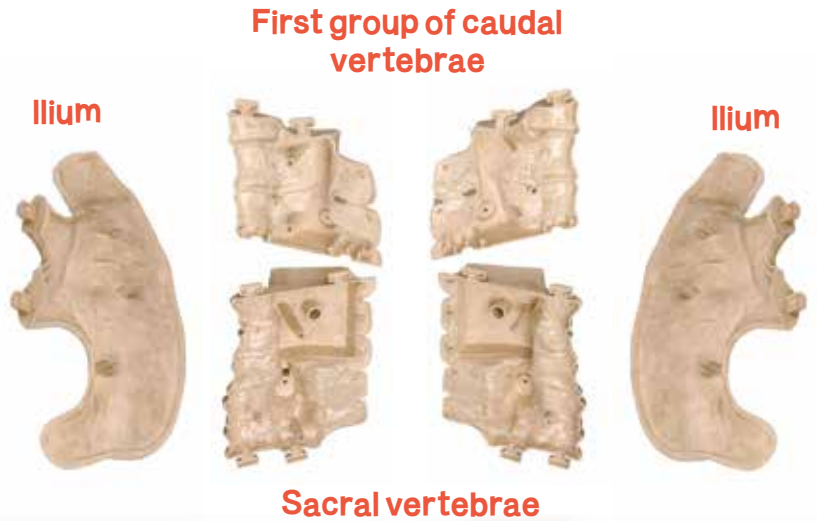
Fit the front half of the femur in place, pressing the pins into the matching sockets.



Screw the femur together with two screws and repeat for the second leg.

# Pelvis

Take the parts off their mouldings and lay them out as shown in the photograph. This will make the assembly easier.



**1.**

Join the right half of the sacral vertebrae to the corresponding half of the first caudal vertebrae. Follow the same steps to join the left halves.

**2.**

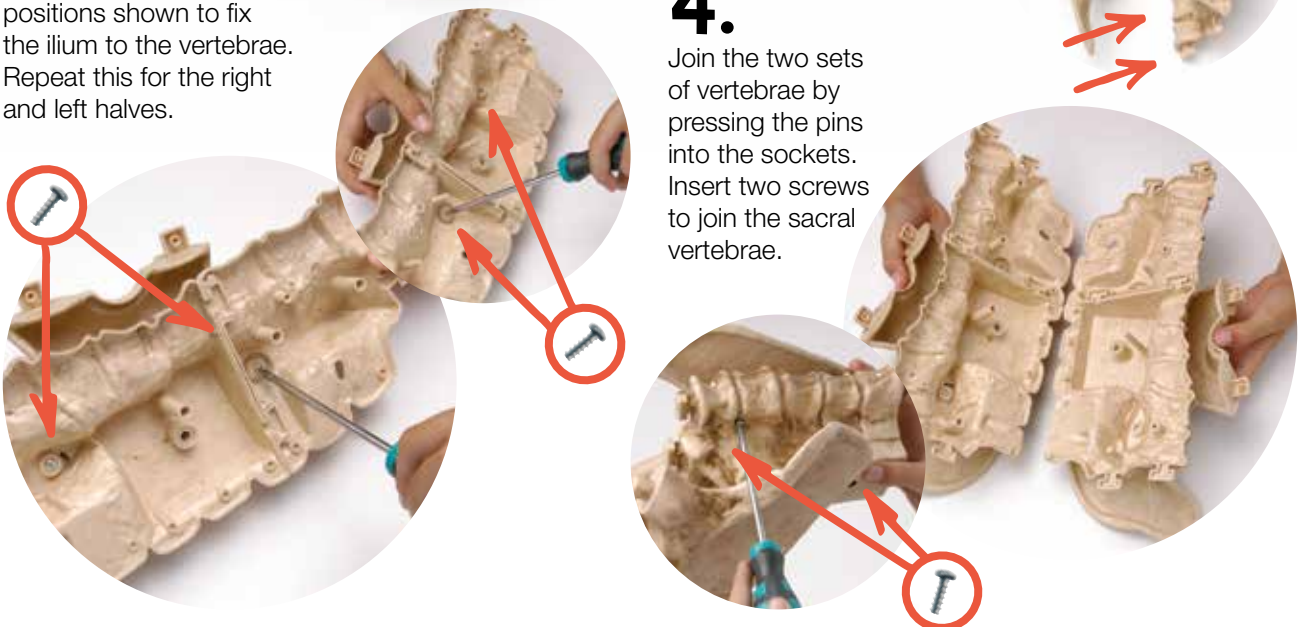
Press the three pins on the right ilium into the holes in the right half of the vertebrae. It only goes one way up. Repeat this step to fit the left ilium.

**3.**

Put two screws in the positions shown to fix the ilium to the vertebrae. Repeat this for the right and left halves.

**4.**

Join the two sets of vertebrae by pressing the pins into the sockets. Insert two screws to join the sacral vertebrae.

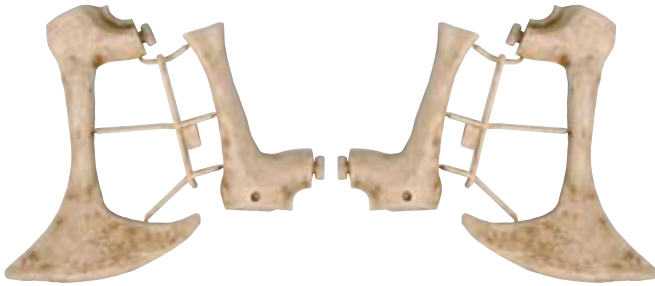




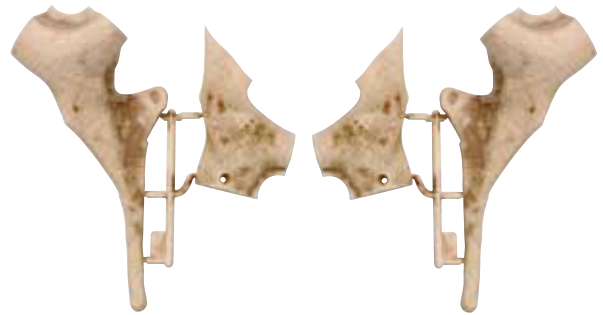
# Pubis and ischium

**MEGA  
T-Rex**

Left and right  
pubis halves



Left and right  
ischium halves



**1.**

Press the 'T' shaped connector on the right side of the pubis into the socket on the right side of the ischium.



**2.**

Add the other half of the pubic bone.



**3.**

Add the other half of the ischium.



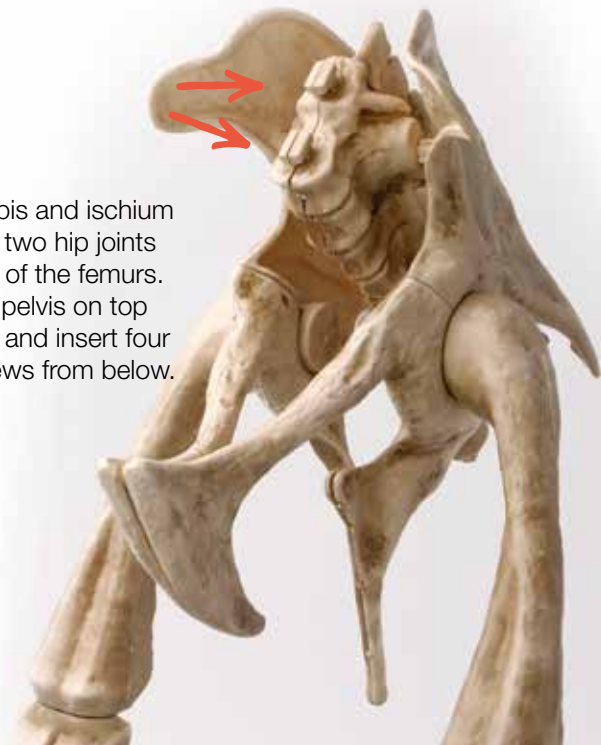
**4.**

Assemble the the left side of the pubis and ischium in the same way. Press the two sides together and note the four screwholes in the positions shown.



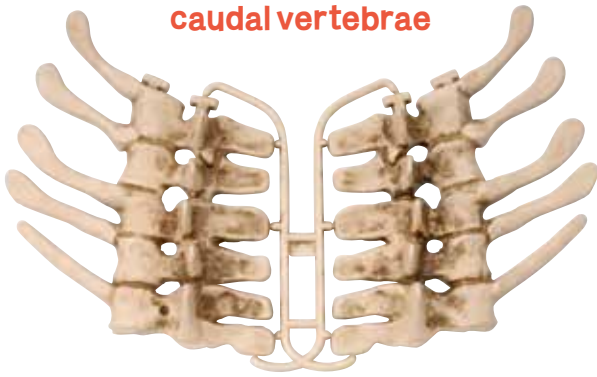
**5.**

Fit the pubis and ischium under the two hip joints at the top of the femurs. Place the pelvis on top as shown and insert four fixing screws from below.



# Tail

## Second group of caudal vertebrae



1.

Fit the right side of the second group of caudal vertebrae over the 'T' on the lower end of the first group.



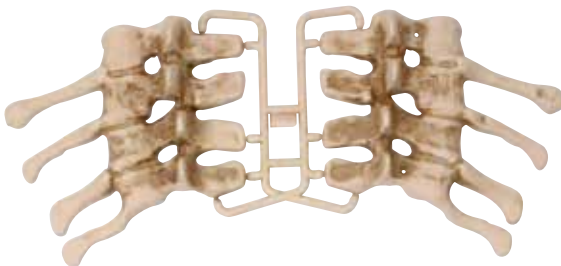
2.

Fit the left side of the vertebrae onto the first other half and press them together firmly.



Then screw the two halves together.

## Third group of caudal vertebrae



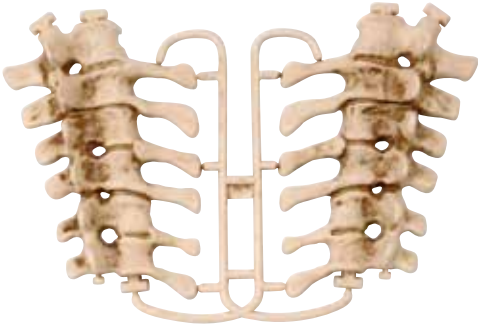
3.

Add the third group of caudal vertebrae by fitting the two halves together over connector on the end of the second group.

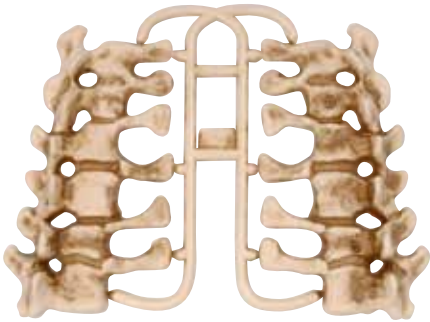


**REMEMBER!**  
Do not screw the two halves of the third group of caudal vertebrae together before fitting the fourth.

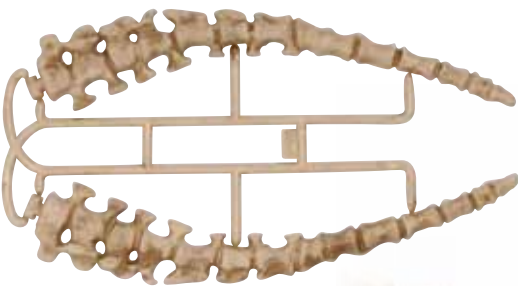
## Fourth group of caudal vertebrae



## Fifth group of caudal vertebrae



## Sixth group of caudal vertebrae



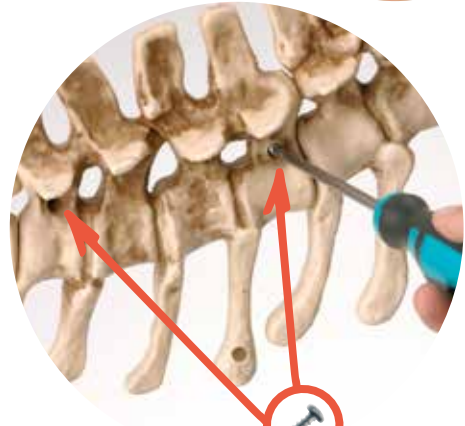
**6.**

Fit the two halves of the fourth group of caudal vertebrae together and fit the connector on the end into the hole in the end of the third group.



**7.**

Now you can join the third group of caudal vertebrae with three screws in the positions shown.



**8.**

Fit the fifth group of caudal vertebrae following the same steps as you did to fit the third.

**9.**

Join the two halves of the vertebrae that form the end of the tail.



**10.**

Insert the connector into the hole in the fifth set of caudal vertebrae. Now join the fifth group of caudal vertebrae with two screws.





# Support

## Long support rod (sectional)

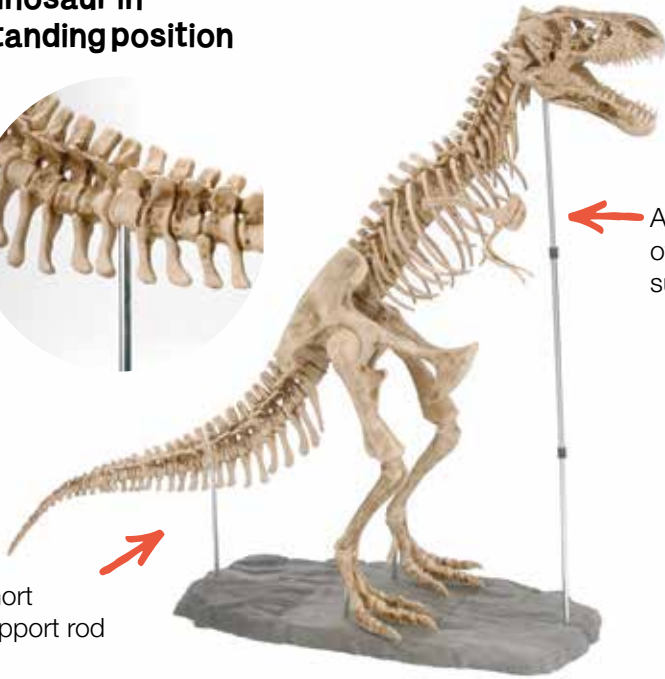
### Short support rod

The sections of the long support rod push together to make the rod longer or shorter.

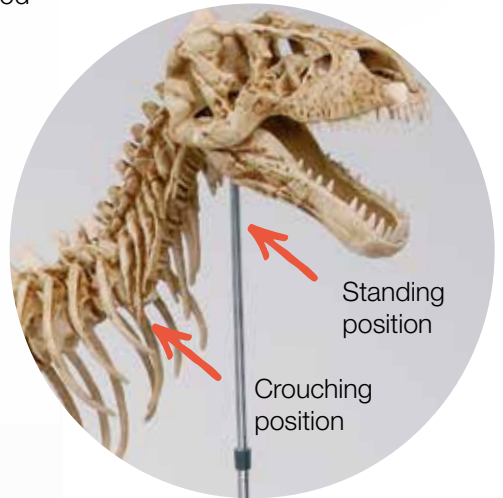
#### Dinosaur in standing position



Short support rod



All three sections of the long support rod

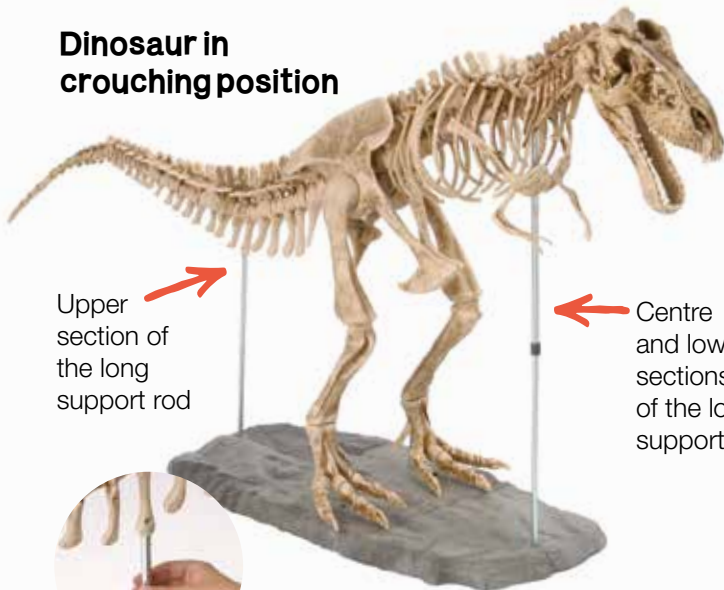


Standing position

Crouching position

#### Dinosaur in crouching position

Upper section of the long support rod



Centre and lower sections of the long support rod



**REMEMBER!**  
The rods fit in different ways depending on the position of the dinosaur. To make it stand, the long rod fits in the base of the skull and the short rod fits in the hole in the fourth group of caudal vertebrae.

To make it crouch, the upper part of the long rod fits in the hole in the third group of caudal vertebrae and the other two sections fit in the hole in the cervical vertebrae. The short rod is not used in the crouching position.