

# mind

## CRAFTS

science and fun rolled into one!

# DINO RECONSTRUCTION ACTIVITY KIT

## INCLUDED ITEMS:



1. Modeling clay
2. Texture tools
3. Sculpting tools
4. T-Rex skull
5. Base with "press button"

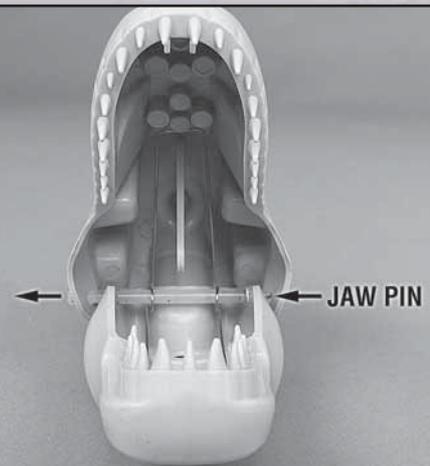
6. Base post
7. Spring and filament
8. Eyes
9. Filament guide
10. Jaw pin
11. Ruler
12. Cartilage pegs (8)
13. "Press" button hinge pin

## SAFETY WARNINGS:

1. Store the modeling clay in a cool, dry area.
2. This activity should only be performed under direct adult supervision to ensure that it is performed as intended.
3. Not suitable for children younger than 3 years.  
Choking hazard.
4. Do not use the modeling clay near carpet or furniture. The clay could come entangled with the carpet or furniture material.
5. Do not use the clay for anything other than its intended purpose.
6. Do not put the modeling clay in your mouth, hair, ears or on your face.

## ASSEMBLY GUIDE:

1. Install the two halves of the dino skull together so that the holes for the jaw pin line up.
2. Install the spring into the skull with the open end of the spring inserting into the lower jaw.
3. Install the jaw pin so that it goes through both halves of the skull, through the holes in the spring and out the other side of the skull halves.
4. Install the "press" button and secure it in place with the short pin.
5. Place the base post into the T-Rex base and install the assembled skull on the post.



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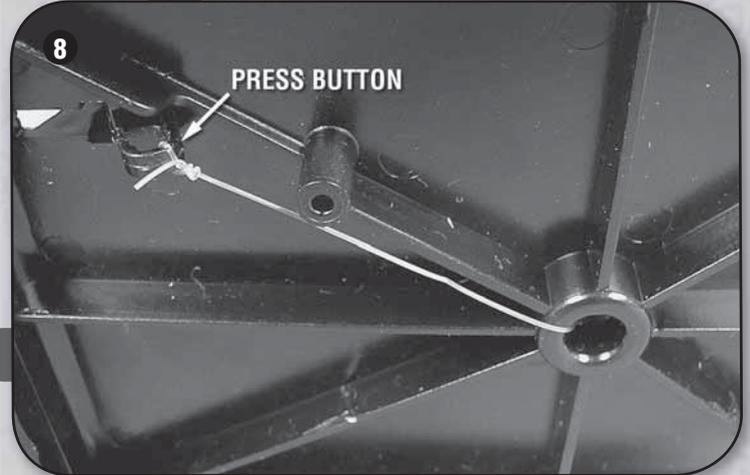
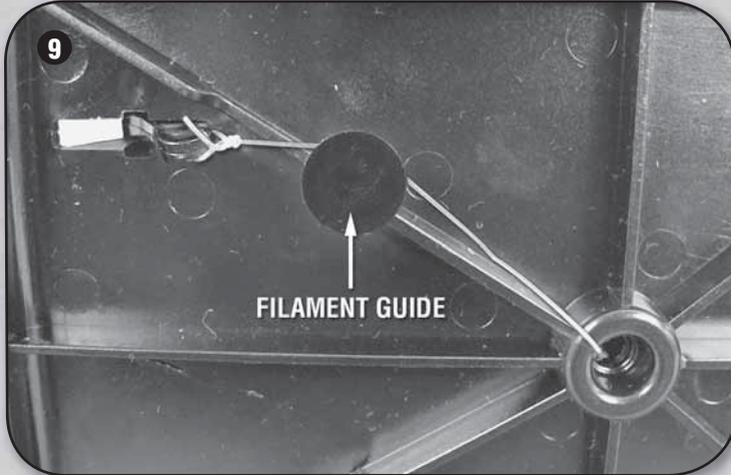
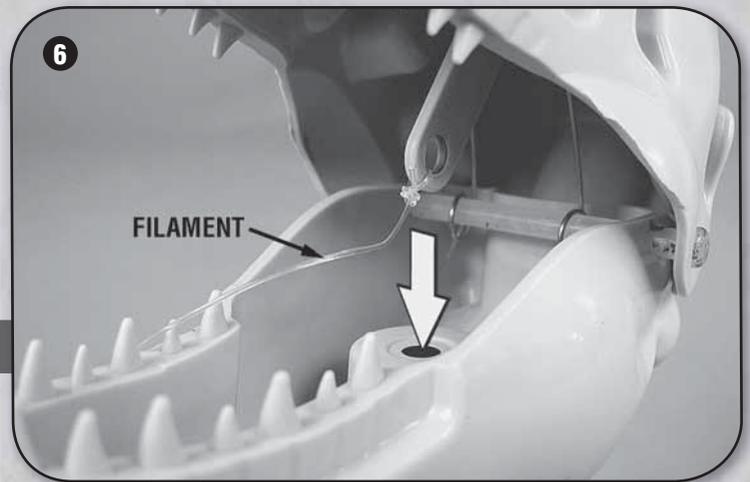


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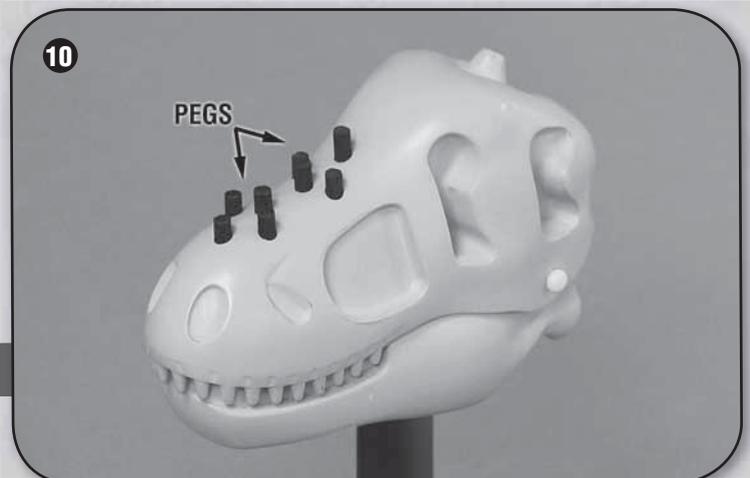
**WARNING:**  
**CHOKING HAZARD** — Small parts.  
Not for children under 3 years of age.

6. Tie one end of the included filament to the loop in the upper skull.
7. Route the line down through the lower skull and down the post and out the bottom of the base.
8. Tie the line to the loop in the "press" button. Make sure the tension is set so that the skull will remain open until the "press" button is pushed, at which time the skull should fully close.
9. Install the filament guide into the bottom of the base. Add a drop of glue if it is loose.

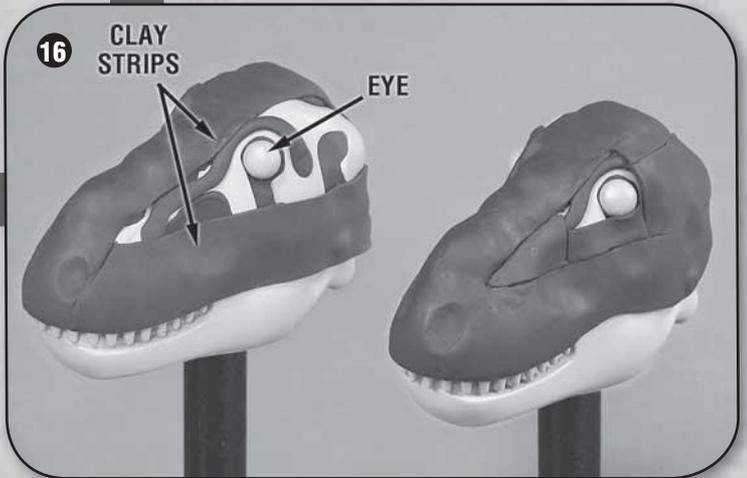
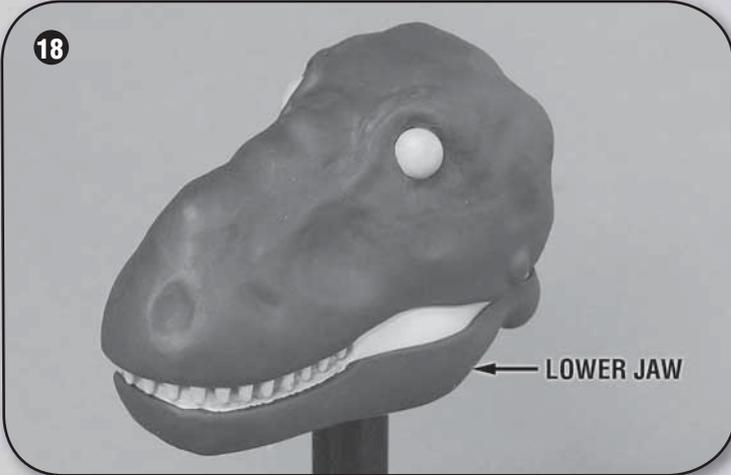
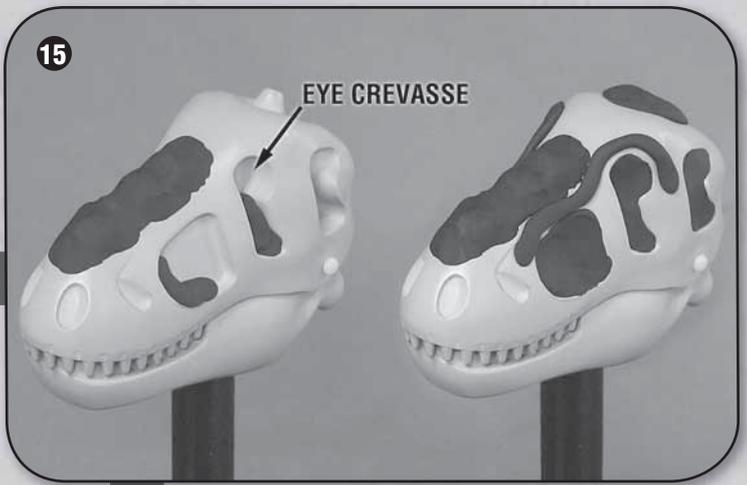


**NOTE: It is easier to sculpt if the mouth is held closed.**

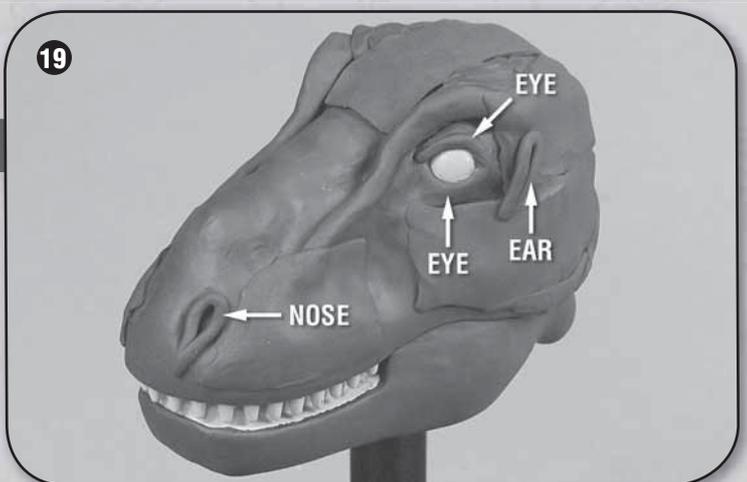
10. Install the pegs onto the top of the T-Rex skull.
11. Cut a chunk of the modeling clay into 1" long strips.
12. Take the strips and roll them into round links like a sausage to be used for the cartilage located on top of the T-Rex skull (where the pegs are located).
13. Place 2 rolled strips onto the pegs and work them into the pegs so that the clay is level with the pegs. Form the 2 strips together so that they are smooth and there are no separation lines between them.
14. Use water to smooth the clay strips together.



15. Place a small, sausage-shaped piece into the eye crevasse to form the muscle around the eye.
16. Apply clay strips onto the side of the skull, working the clay into each of the crevasses. Use the included tools to cut the clay even with the jaw line and around the teeth. Then install the included eyes.
17. We recommend that you start with one side of the upper skull and work your way to the other side.
18. Apply clay strips to the lower jaw just like you did with the upper jaw. Again, cut along the jaw line around the teeth.



19. Use a small, sausage-type strip both above and below the eye to form the eyelids. Mold them into the rest of the clay on the skull.
20. Use a small, sausage-type strip to form the ear behind the eyes.
21. Use small, sausage-type strips to form the nose cavity at the front of the skull.
22. Use water to smooth the clay strips together.



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23. Use the texture tool and water (to keep the texture tool from sticking in the clay) to texture the clay.
24. Start with the large texture tool and then go back and fill in between the large textures with the medium and small texture tools. Add detail as desired.

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## OPERATION GUIDE:

1. Push the "press" button on the dino base to close the jaws of the dino.
2. Release the "press" button and the dino jaws will open.



## SCIENCE FACTS:

- The Tyrannosaurus-Rex (T-Rex) was known for its large skull. Its skull was large even for a dinosaur. T-Rex reached 20 feet tall and 40 feet long weighing up to 8 tons.
- The jaws of the T-Rex were up to 4 feet long with teeth up to 13 inches long that were so strong they were believed able to penetrate bone. The T-Rex continued to grow lost teeth back its entire life. The T-Rex had one of the strongest bites of any dinosaur.
- The T-Rex's eyes were located on the front of its skull similar to a human. This allowed the T-Rex to focus and judge distances well.
- The T-Rex is believed to have had a very strong sense of smell.
- The T-Rex had bumpy skin similar to a crocodile.
- Life span of a T-Rex was approximately 30 years.