

Rare Animals of the World 2nd Series

Vol.5

Polar Bear

Assembly Instructions



Thank you for downloading this paper craft model of the Polar Bear. By matching the names and numbered parts in the instructions, you and your family can complete a paper craft model of this rare and precious animal.

- Assembly instructions: Six A4-sized sheets.
- Paper craft: Three A4-sized sheets with 12 parts in all

These instructions apply only to the "Polar Bear."

These Paper Craft parts are easier to work with when printed out on strong, thick paper (like postcard stock).

*In creating these Paper Craft models we use 135kg Kent paper stock (0.18mm).

1

To begin

■ Tools and materials needed _____

-Ruler - scissors - blade cutter or "Exacto-knife" - awl or other pointed tool (for making a folding crease) - felt pen - pin set - glue - hand towel (for cleaning your fingers) - dictionary or other heavy book (to press the papers flat).

■ Items of Caution _____

*Take care when using sharp or pointed objects or when using bladed cutting tools. Place a heavy sheet of paper under the paper you want to cut.

*Use glue and other adhesives only in well-ventilated areas.

*When printing, use a slightly reduced font size. There may be differences in dimensions, depending on the type of printer used.

2

How to assemble

*Follow the working method and markings carefully.

*Cut carefully along the outer line with cutting blade, Exacto-knife or scissors.

One - point Advice

*Cut carefully with cutting blade, Exacto-knife or scissors.

*For folding parts, first use an awl or other pointed tool to make a light crease along the dotted or solid line. This will make the folds straight. Avoid making strong creases, as this will cause the paper to tear.

*As an adhesive, white wood glue is recommended. Avoid over application as this may cause the paper to wrinkle.

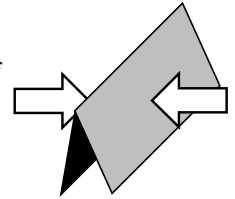
*Before beginning assembly, test adhesive amounts on extra paper.

*Occasionally, white spots will be apparent on folds and cuts. Use a marker or pencil to fill in these spots. It is recommended that this be done after each stage of assembly because coloring becomes more difficult once parts are assembled.

Basic working method and markings

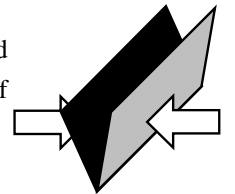
Solid lines

Fold along these lines. The printed surface should be on the outside of the folded shape.



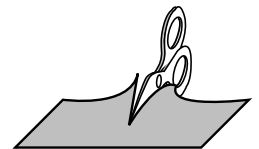
Broken lines

Fold along these lines. The printed surface should be on the inside of the folded shape.

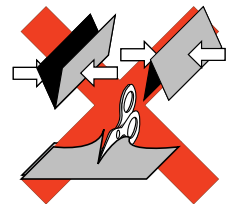


Dotted line

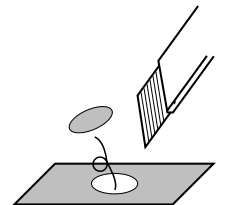
Cut along these lines.



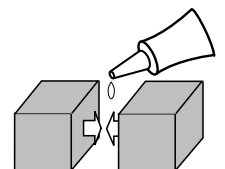
Do not fold or cut the parts marked X.



Cut out parts marked with an asterisk(*).



Red dots are the reference positions for gluing surfaces.



3 Assembly

Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Indication of Working Methods



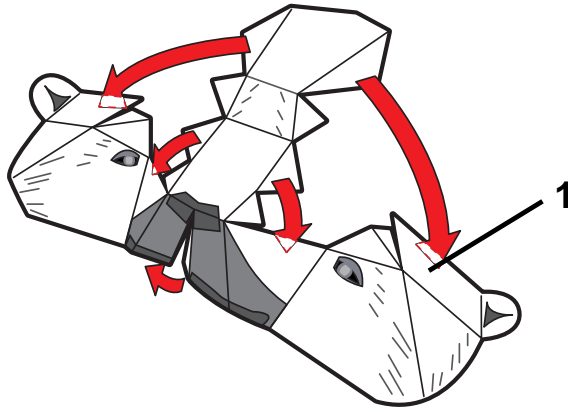
Fold or Curve



Glue

Assembly of Polar Bear

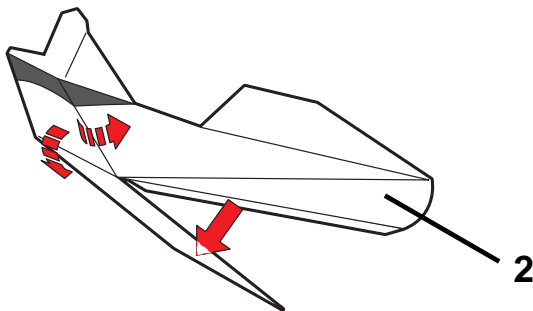
1. Assembly of Head



Reference photo



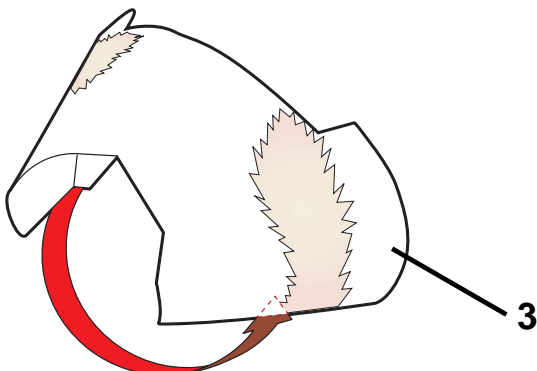
2. Assembly of Jaw



Reference photo



3. Assembly of Neck



Reference photo



3 Assembly

Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Indication of Working Methods



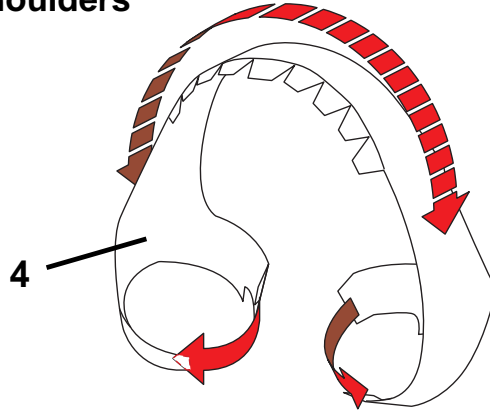
Fold or Curve



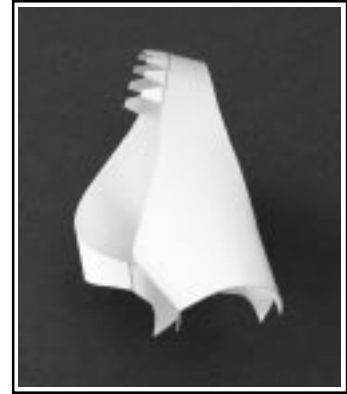
Glue

Assembly of Polar Bear

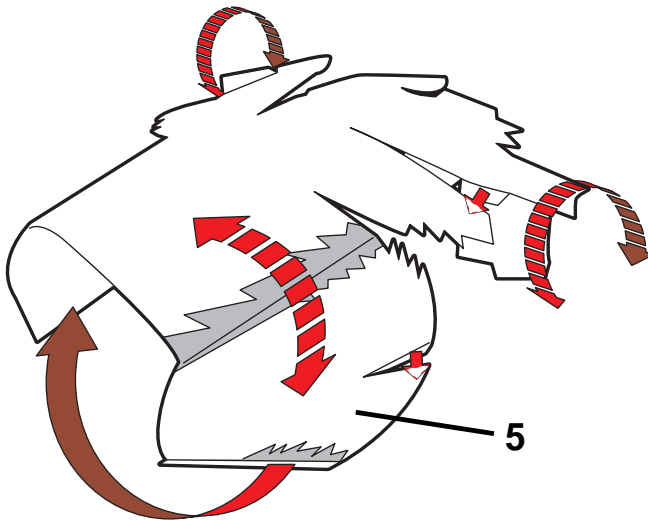
4. Assembly of Shoulders



Reference photo



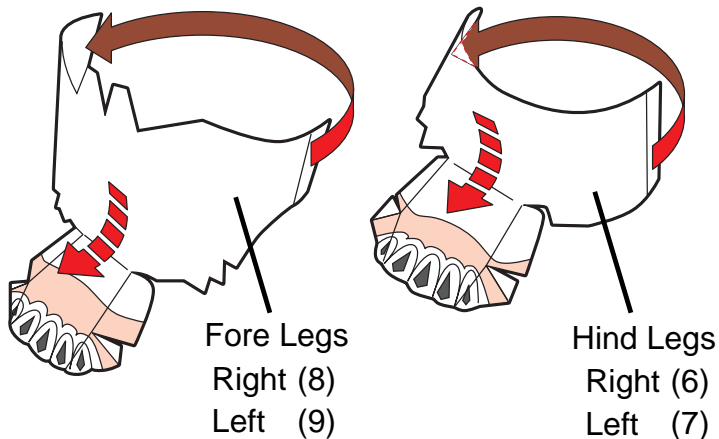
5. Assembly of Body



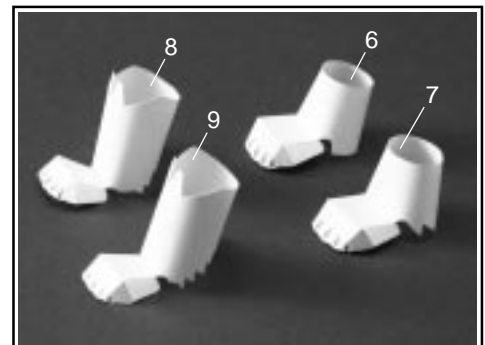
Reference photo



6. Assembly of Legs Assemble each part in pairs.



Reference photo



3 Assembly

Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Indication of Working Methods



Fold or Curve



Glue

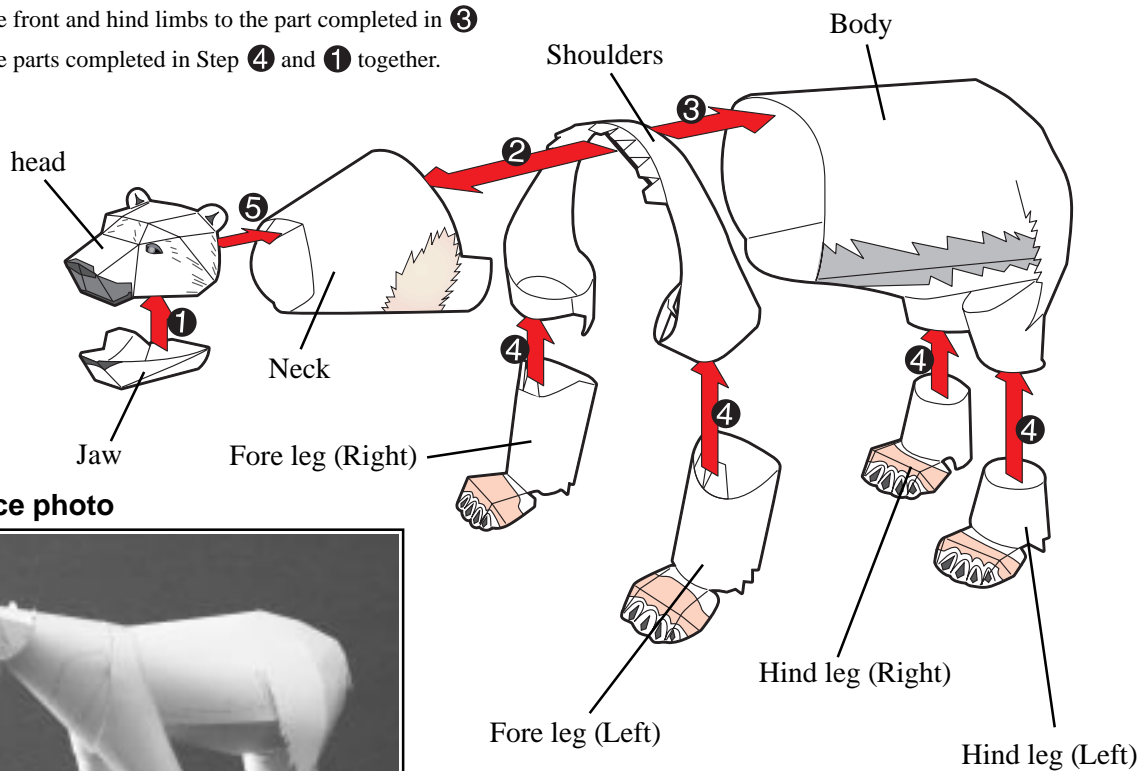
Assembly of Polar Bear

Please use the ● dots on each component as reference when gluing surfaces.

7. FINISH Assemble according to Steps ① through ⑤

Procedure

- ① Glue the jaw to the head.
- ② Glue the shoulders to the neck.
- ③ Glue the part completed in ② to the body.
- ④ Glue the front and hind limbs to the part completed in ③
- ⑤ Glue the parts completed in Step ④ and ① together.



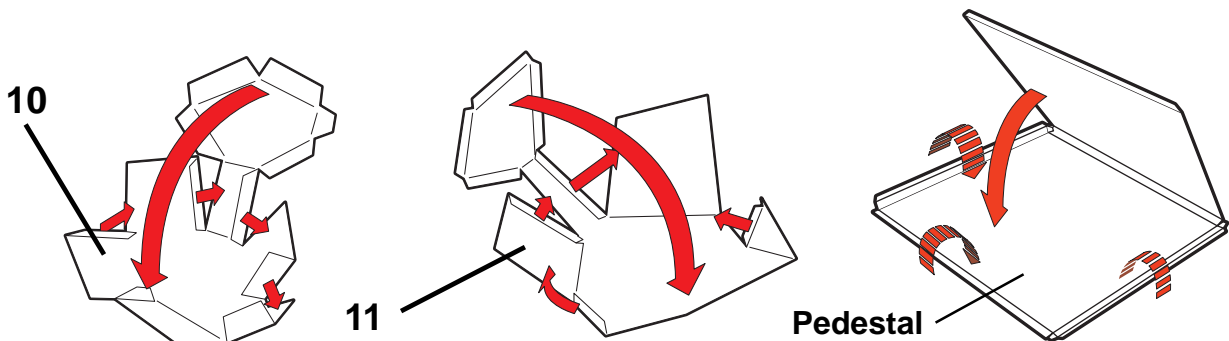
Reference photo



Assembly of Pedestal

*Display the completed paper sculpture on the pedestal.

Assemble 10 and 11 and glue them on the mark indicated on the pedestal.



4 Completion

Here are pictures of the completed models.
Please refer to them when assembling and painting.



Colored Polar Bear

Photo of realistically colored paper sculpture.



Uncolored Polar Bear

Uncolored sculpture with textured paper.



Polar Bear, Rare Animal

Polar bears, as well as brown bears, are one of the largest existing carnivores living on land. Male polar bears reach over 2 meters in length, and even an 800kg bear has been documented. They have slender necks and small heads that are rather disproportionate to their enormous bodies. Their nickname, the "white bear", originates in their coloration. Their entire bodies are covered with white coat which color may vary from pure white to cream yellow or pale brown. Polar bears' coat, which works as an insulation, and high percentage of body fat are only a few things that make them adapt well for the survival in the Far North. They feed on seals, walruses, and fish, and, being good swimmers, they often swim to hunt. In the spring, they travel from the coastline to the inland and live on vegetation, birds, and even reindeer. Just as the name suggests, polar bears live in the coastline of the circumpolar north. The humans hunted with modern equipment, and the species became endangered from the 1950's through the early 1970's. However, the number of the bears recovered after the International Agreement for the Conservation of Polar Bears was entered into in 1976.