# Amappo (Crossbow Trap)



An *amappo* (crossbow trap) is an animal-hunting device that shoots an arrow automatically. In some other regions it's known by different names, such as "amaku" and "kuwari." It's set up on trails used by brown bears, Yezo deer, and other prey. When a passing animal trips the trigger string, the device automatically shoots a poison-tipped arrow to bring down the prey.

This paper craft project is based on a model *amappo* used in demonstrations at Upopoy. It uses a simplified design to show, in an easy-to-understand way, the structure and action of the device from setup to launching an arrow. Through assembly and play, you can learn how an *amappo* works.



## Implements and Materials You'll Need

- Sturdy paper
   Rubber bands (4)
   Twine
- Scissors or utility knife
   Ruler
   Pencil
   Tweezers
- Glue (Using stick glue for broad surfaces and wood glue for small and intricate pieces is recommended.)
- Pointed object, such as a ballpoint pen that has run out of ink
- Toothpicks (These are useful for applying glue thinly and to small and intricate pieces.)

## How to Make

- 1. Use the pointed object to make creases along the fold lines.
- 2. Before cutting out the pieces, use the pencil to write the part names on the back of each one.
- 3. Carefully cut out the pieces along their cut lines.
- 4. Following the instructions for outward and inward folds, fold the parts along the dotted lines.
- 5. Assemble by the attaching the pieces as shown in the diagram.

## What the Symbols Mean

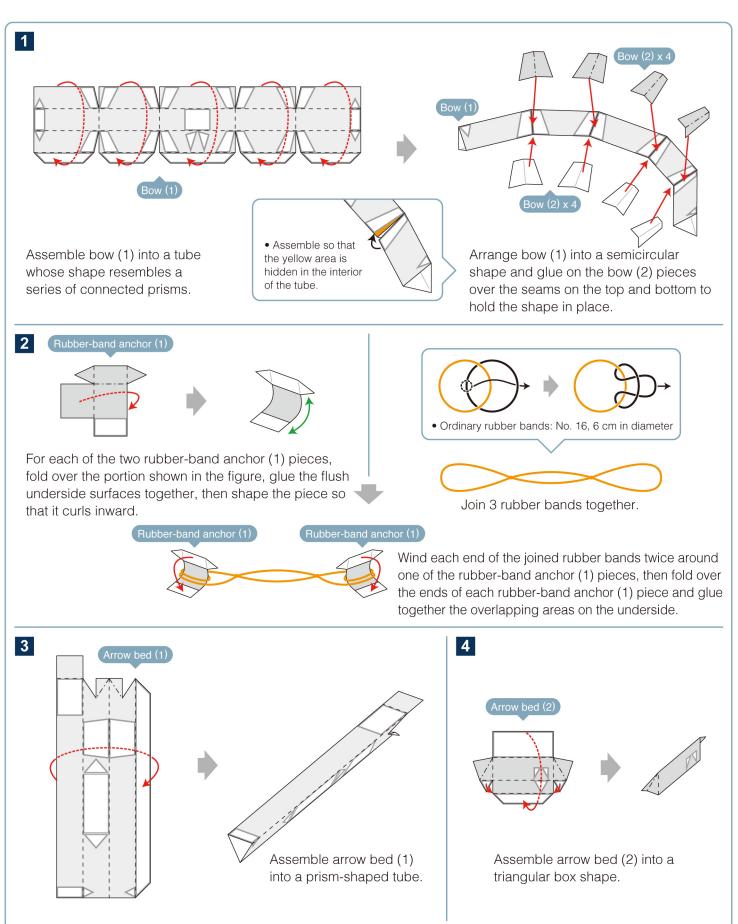
part name —— Slit line
—— Cut line —— Cutout
—— Outward fold line —— Inward fold line
—— Apply glue —— Curl

Glue site

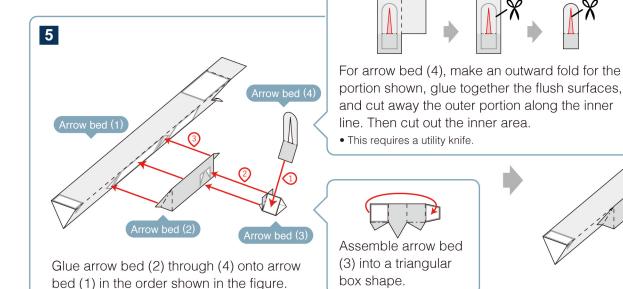
#### Important Notes - For Parents and Guardians

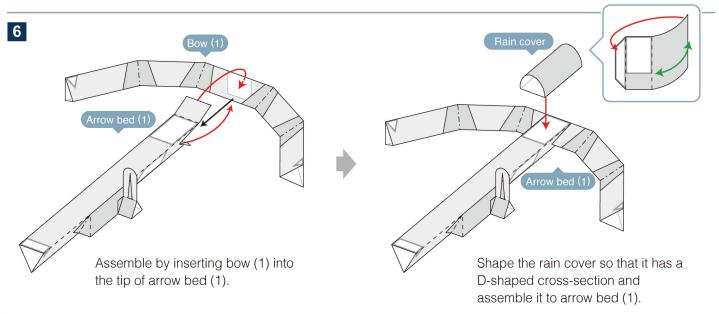
Preschool children must be supervised by an adult and be kept in sight while assembling the item. Papercraft uses a variety of implements. To prevent unforeseen accidents, please give careful attention to the following points while enjoying crafting.

- Be very careful to avoid injury when children use scissors, utility knives, and other objects with blades.
- Be careful to ensure that small children do not put glue or adhesive in their mouths or swallow small pieces.
- This craft uses paper, which may become unusable if it gets wet. Be careful not to handle pieces with wet hands.
- Display near open flame or other heat sources can cause fire or discoloration.
- Some finished papercraft items have pointed areas. Be careful to ensure that children do not strike others with these items.

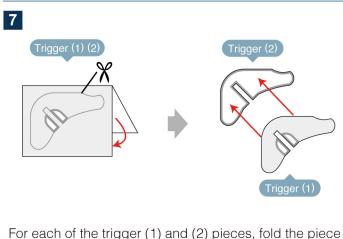






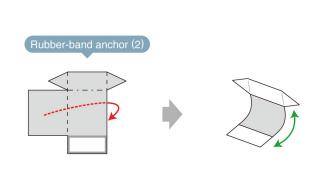


8



For each of the trigger (1) and (2) pieces, fold the piece in half and glue together the undersides, then cut away the outer portion along the inner line.

Then line up the two pieces and glue them together.



Fold rubber-band anchor (2) as shown in the figure, glue the flush underside surfaces together, then shape the piece so that it curls inward.

