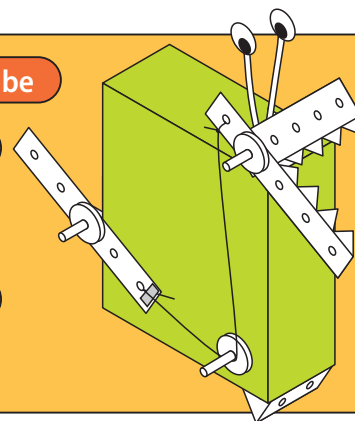




Visit TechCard at techcard.co.uk & Instagram & YouTube

Barking Dog

Make and Create: Skill Level ● ● ○ ○ ○



Upcycle an empty box and build a barking dog!

Explore important mechanisms like levers, linkages & cables.

See how to make with TechCard on our website.



Assembly videos on YouTube!

Parts to make 1 model

Structural Parts

TechCard Strip	2
TechCard Girder	1
TechCard Beam	1

Mechanical Parts

25mm Disc	4
50mm Dowel Axle	3

Additional Materials

Upcycled box about 160mm x 130mm x 50mm
300mm String
A5 Size Thin Card

You will have parts left over towards other models.

Parts to make 10 models

Structural Parts

TechCard Strip	15
TechCard Girder	2
TechCard Beam	7

Mechanical Parts

25mm Disc	40
300mm Dowel Axle	5

Additional Materials

Upcycled boxes about 160mm x 130mm x 50mm
3M String
A5 Size Thin Card x 10

Based on pupils sharing off-cuts between them.

Make the Barking Dog



Before you start see
'Make with TechCard'
on our website.

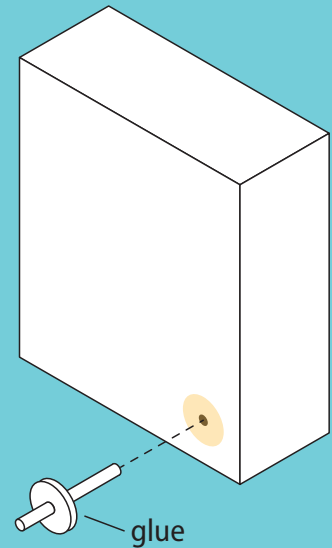
1 Make the body.

Choose a box about 160mm high
by 130mm wide by 50mm deep.



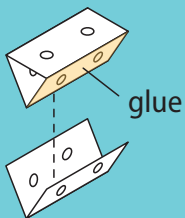
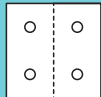
Use a 50mm axle and fit a
25mm disc half way along.

Make a hole in the box where shown
and glue the disc and axle in place.



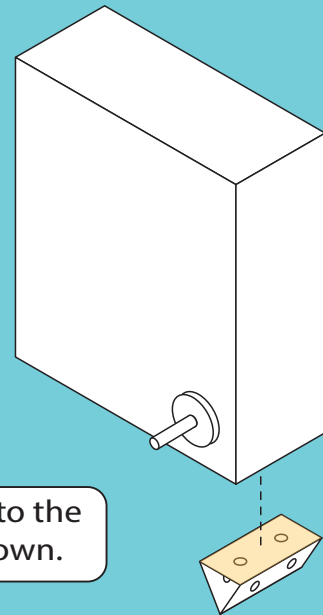
2 Make the foot.

Cut a 50mm beam
and girder.



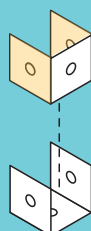
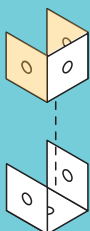
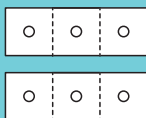
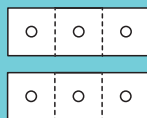
Fold and glue the girder
and beam as shown.

Glue the foot to the
box where shown.



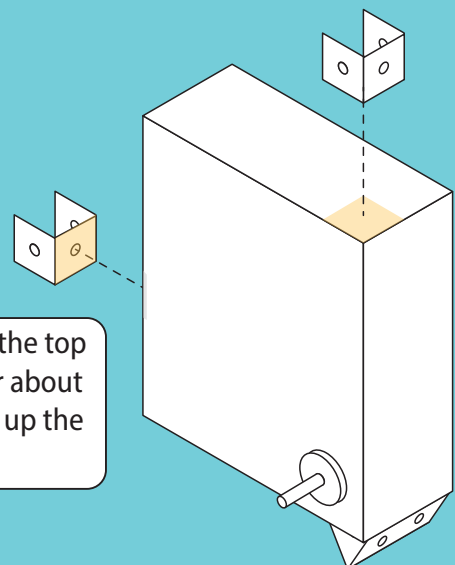
3 Make the brackets.

Cut four 25mm
beams.

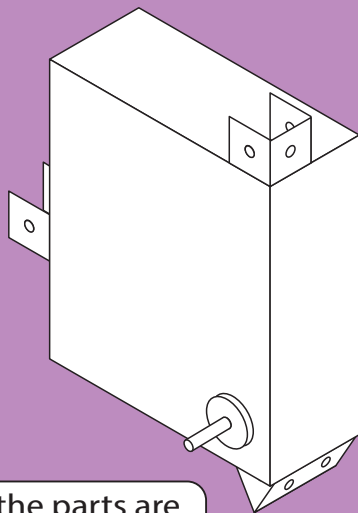


Fold and glue the beams as
shown to make two brackets.

Glue one bracket to the top
corner and the other about
one third of the way up the
box where shown.



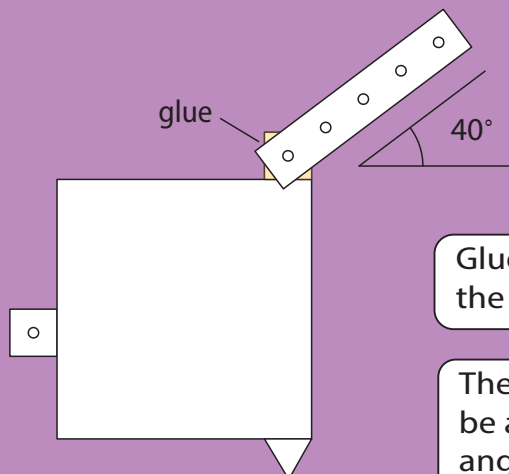
4 Check the body.



Check all the parts are in place correctly.

5 Fit the upper jaw.

Cut a 125mm strip.

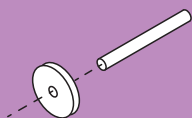
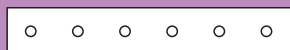


Glue the strip onto the top bracket.

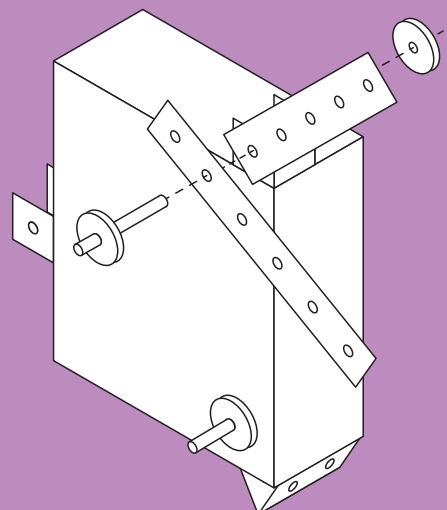
The strip should be at a 40 degree angle as shown.

6 Fit the lower jaw.

Use a 150mm strip.



Use a 50mm axle and fit a 25mm disc to the end.

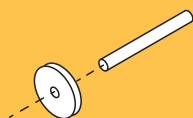


Pass the axle through the jaw and bracket where shown.

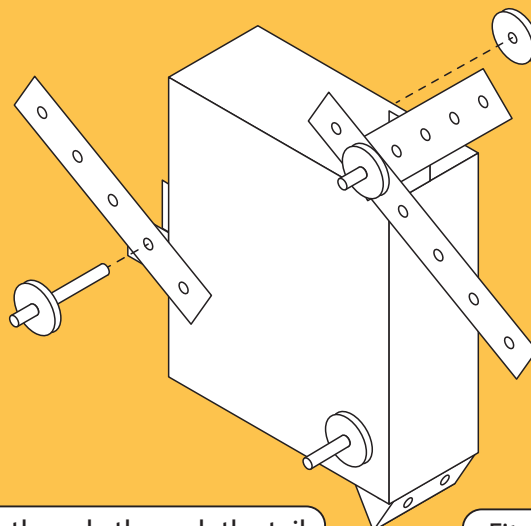
Fit a second 25mm disc to the axle.

7 Fit the tail.

Cut a 125mm strip.



Use a 50mm axle and fit a 25mm disc to the end.

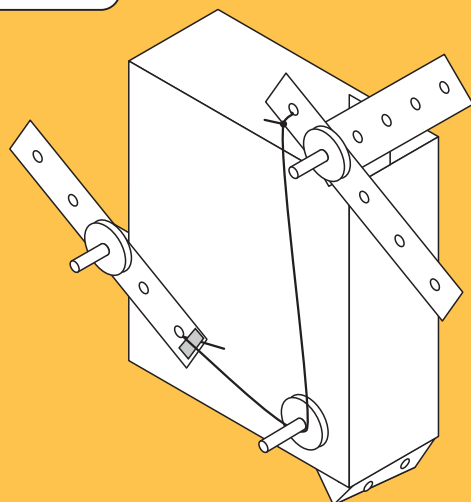


Pass the axle through the tail and bracket where shown.

Fit a second 25mm disc to the axle.

8 Tie the string.

Cut a 300mm length of string.



Tie the string to the jaw as shown.

Pass the string under the dowel and through the tail where shown.

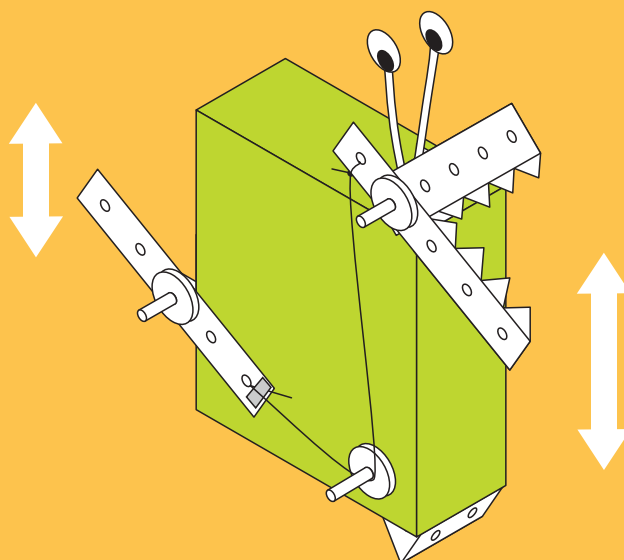
Pull the string without moving the jaw or tail and tape the end of the string.

9 Finish the model.

Add teeth, eyes and decorate your model to make it your own!

When you pull down on the tail the force is transferred along the string and pulls the jaw.

The jaw moves more than the tail because the jaw pivots near one end and acts like a lever.



Card Panels

Print and cut along the solid lines of the two panels.

Alternatively, copy the panels onto thin card and cut and fold in the same way. Or you can design and make your own body panels!

