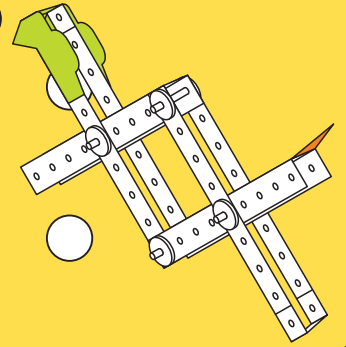




Visit TechCard at techcard.co.uk & Instagram & YouTube

Snapping Snake

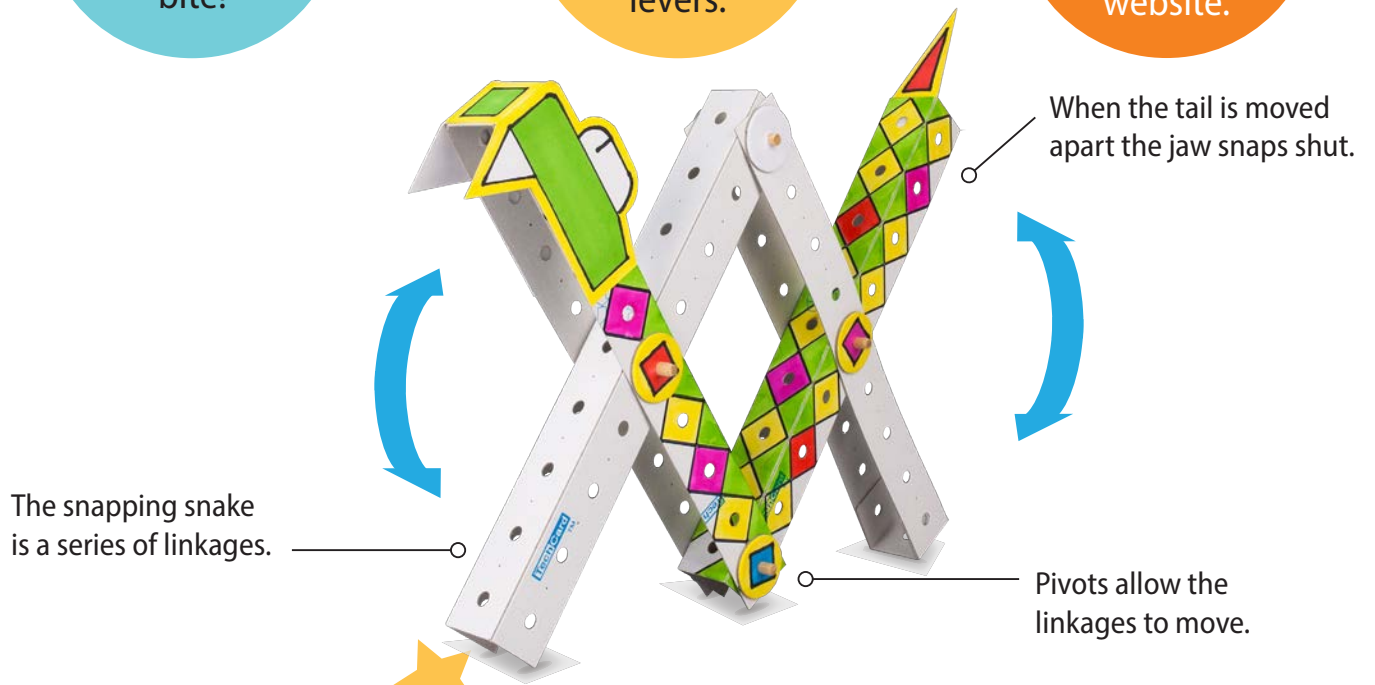


Build-it Kit Skill Level ●●○○○

Build a sneaky snake but watch out for its snapping bite!

Explore important simple mechanisms like linkages & levers.

See how to make with TechCard on our website.



The snapping snake is a series of linkages.

When the tail is moved apart the jaw snaps shut.

Pivots allow the linkages to move.

Assembly videos on YouTube!

Parts to make 1 model

Structural Parts

TechCard Strip 4
TechCard Beam 2

Mechanical Parts

25mm Disc 8
300mm Dowel Axle 1

Additional Materials

A5 Size Thin Card

You will have parts left over towards other models.

Parts to make 10 models

Structural Parts

TechCard Strip 40
TechCard Beam 20

Mechanical Parts

25mm Disc 80
300mm Dowel Axle 4

Additional Materials

A5 Size Thin Card x 10

Based on pupils sharing off-cuts between them.

Make the Snapping Snake

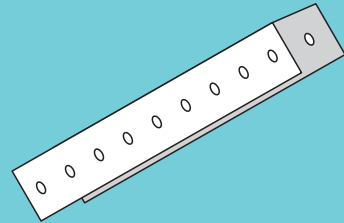
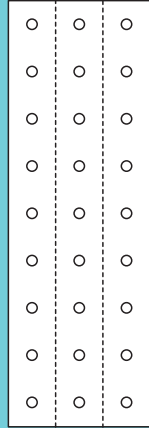


Before you start see
'Make with TechCard'
on our website.

1 Prepare the beam.

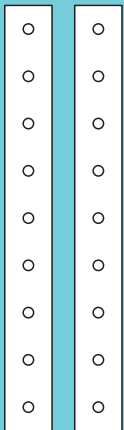


Cut 25mm from a beam.



Fold the beam to shape.

2 Prepare the strips.



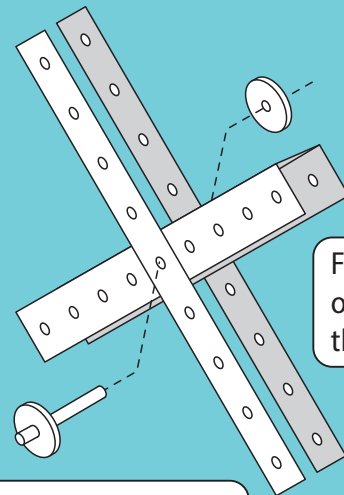
Cut two 225mm strips.

3 Assemble the first section.

Cut a 50mm axle.



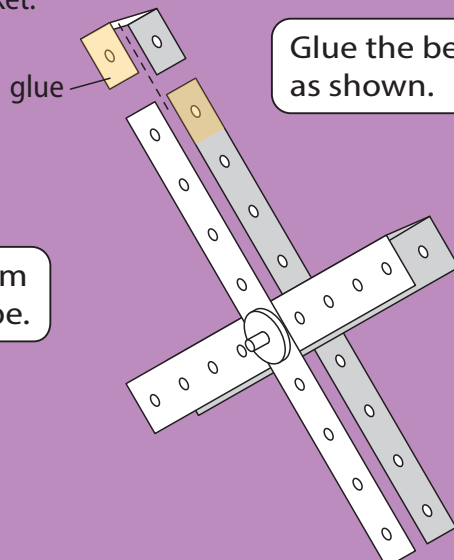
Fit a 25mm disc onto
the end of the axle.



Fit a 25mm disc
onto the end of
the axle.

Arrange the beam and strips as shown and
pass the axle through the centre holes.

4 Fit the bracket.

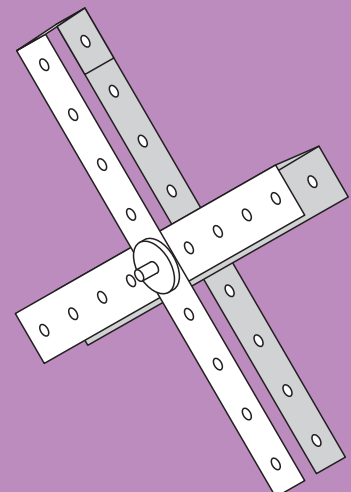


Glue the beam
as shown.

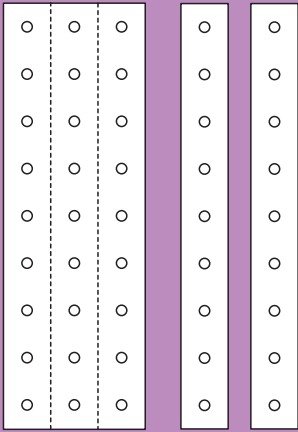
Fold the 25mm
beam to shape.



5 Check the assembly.



6 Make the second section.



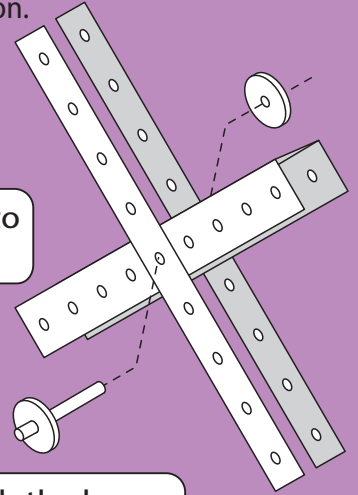
Cut 25mm from a beam and cut two 225mm strips.

7 Assemble the section.

Cut a 50mm axle.

Fit a 25mm disc onto the end of the axle.

Pass the axle through the beam and strips and fit a 25mm disc.



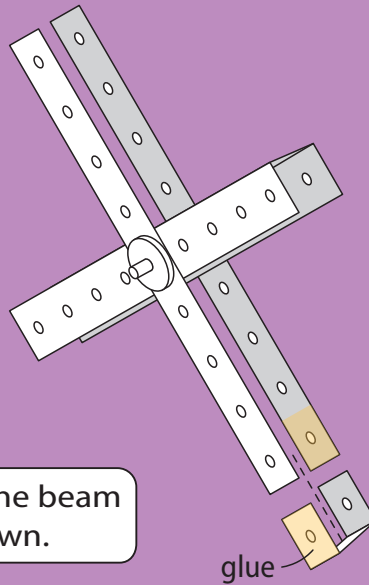
8 Fit the bracket.



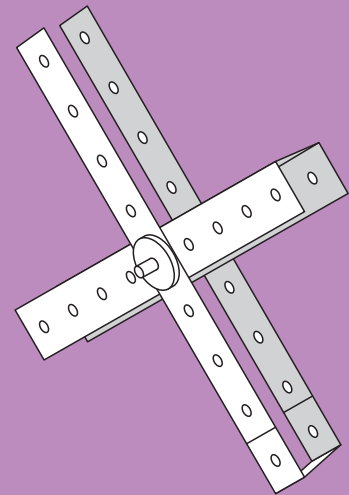
Fold the 25mm beam to shape.



Glue the beam as shown.



9 Check the assembly.



10 Assemble the two sections.



Cut two 50mm axles.

Fit a 25mm disc onto the end of the axles.

Position the two sections and join them with the axles where shown.

Fit a 25mm disc onto the ends of the axles.

Test the mechanism and adjust the discs if they are too tight.

