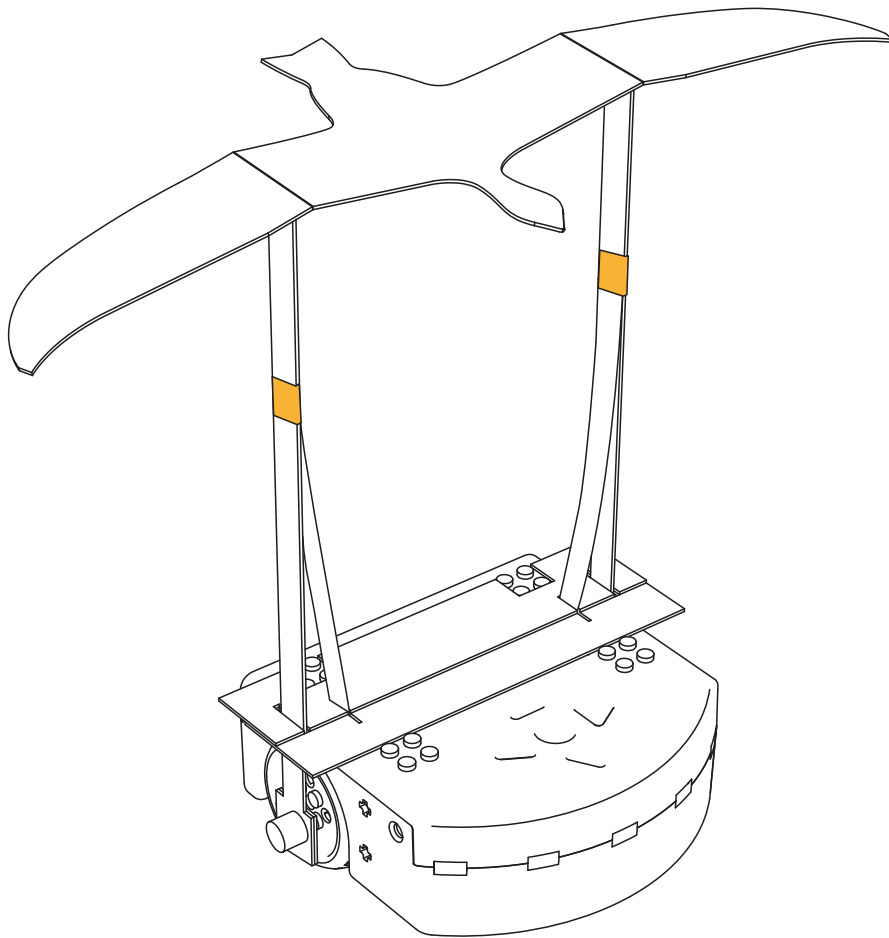


THE SNOW GOOSE MIGRATION

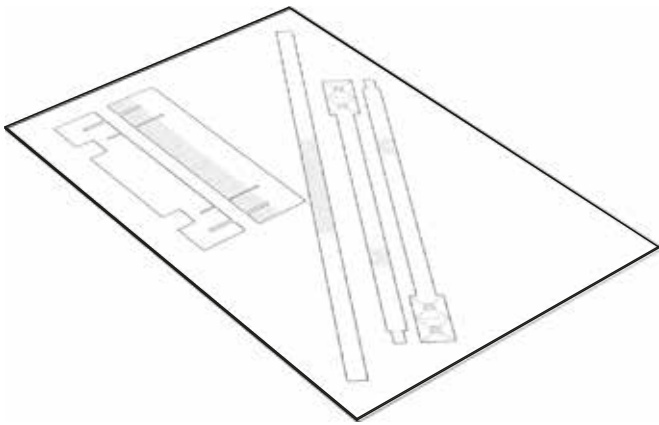
CONSTRUCTION TUTORIAL



SUPPLIES

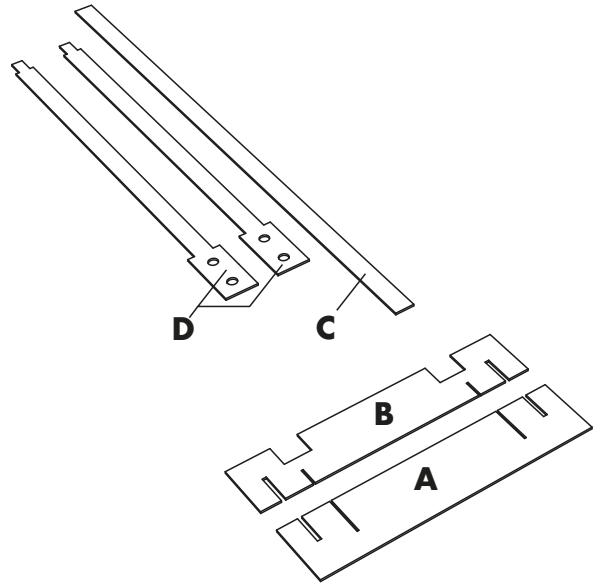
- 1x A4 template of the structure, 300g/m2
- 1x A4 template of the bird, 90g/m2
- 1x scissors or cutter
- 1x glue stick
- 1x tape
- 1x paper hole punch
- 1x Thymio robot
- 2 x LEGO FRIC.SNAP W/CROSS hole 2mm

STEP I



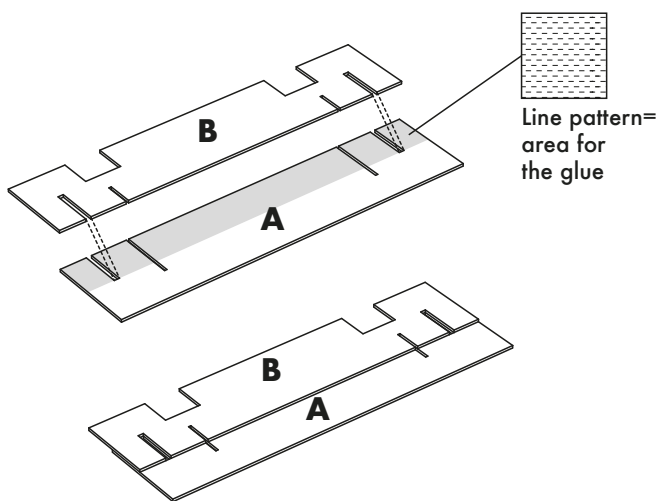
Take the A4 template of the structure

STEP II



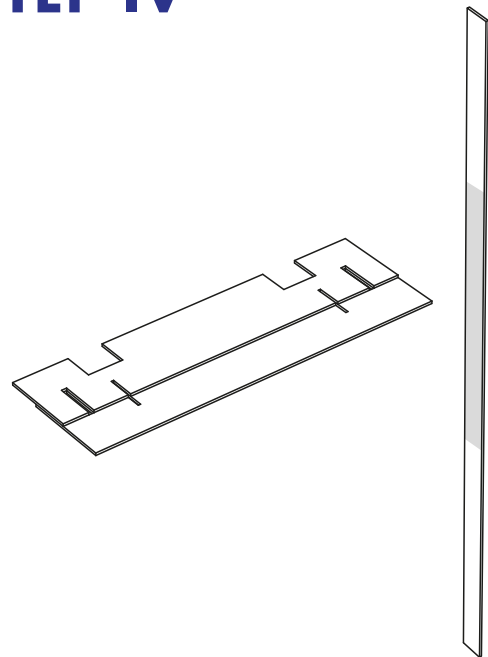
With the scissors, cut out the five elements following the continuous black lines. Do not cut the dotted lines or grey areas.

STEP III



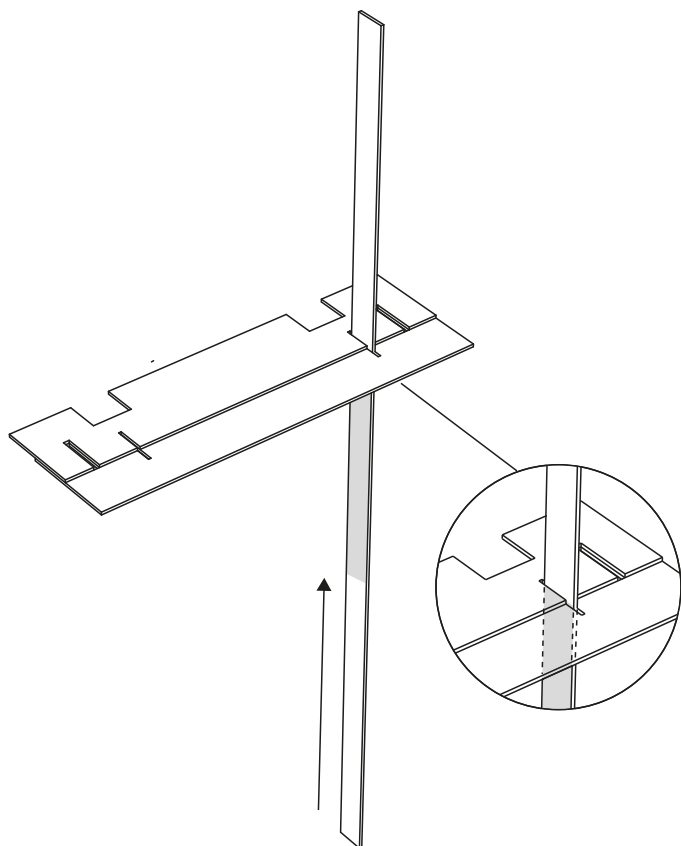
Take elements A and B.
1. On element A, apply glue with the stick on the grey area indicated by the line pattern.
2. Then glue element B to element A as indicated above.

STEP IV



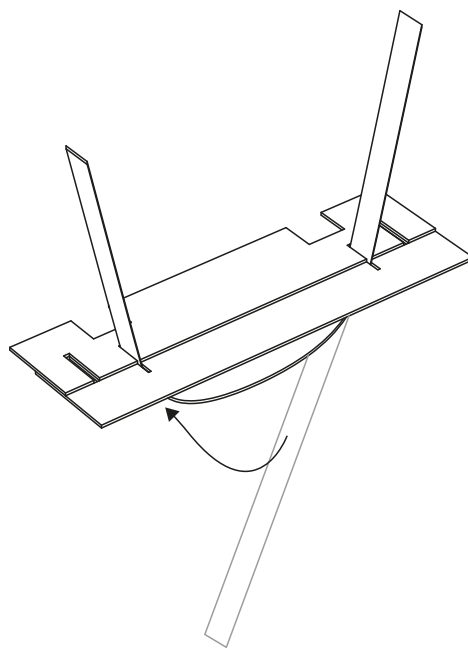
Take element C and the assembly A+B.

STEP V



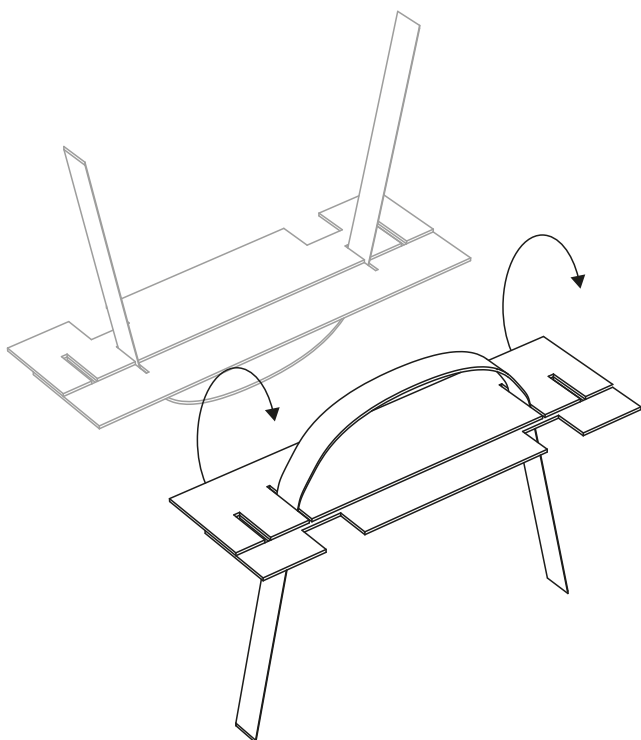
Slide element C into the slot of the assembly A+B until the line pattern reaches the level of the slot.

STEP VI



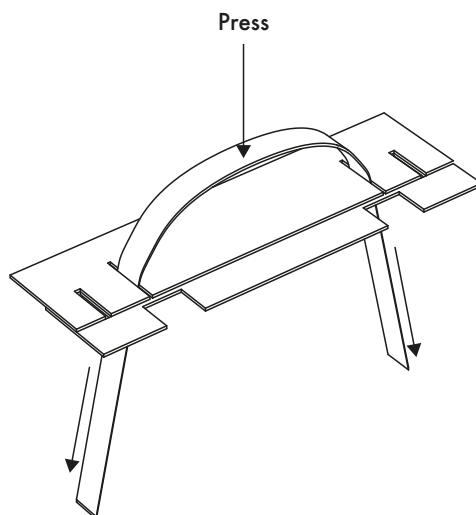
Pass the other side of element C through the opposite slot of the assembly A+B.

STEP VII



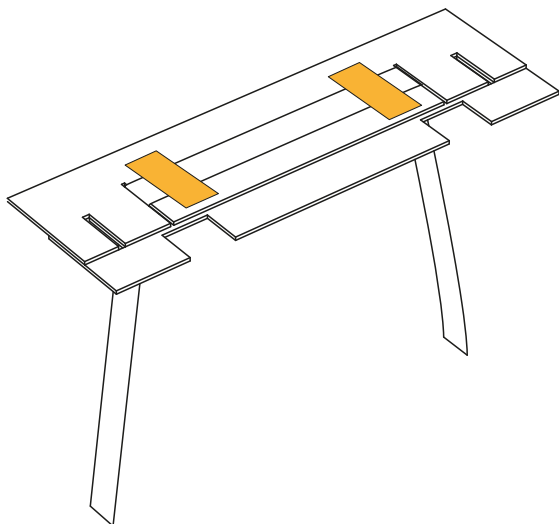
Turn the whole assembly over.

STEP VIII



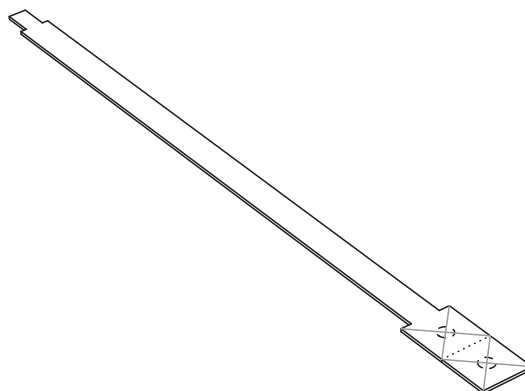
Press down element C so that it slides completely into the two slots. Use the line pattern on element C to correctly centre it between the two slots of the assembly A+B.

STEP IX



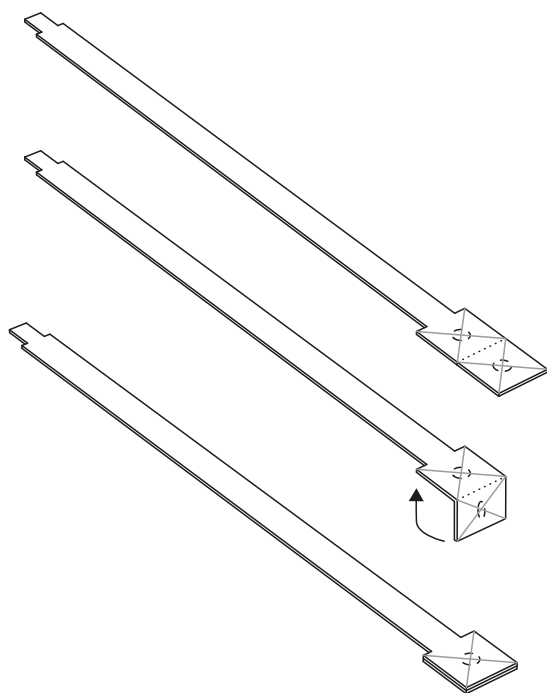
Use two pieces of tape to fix element C to the assembly A+B.

STEP X



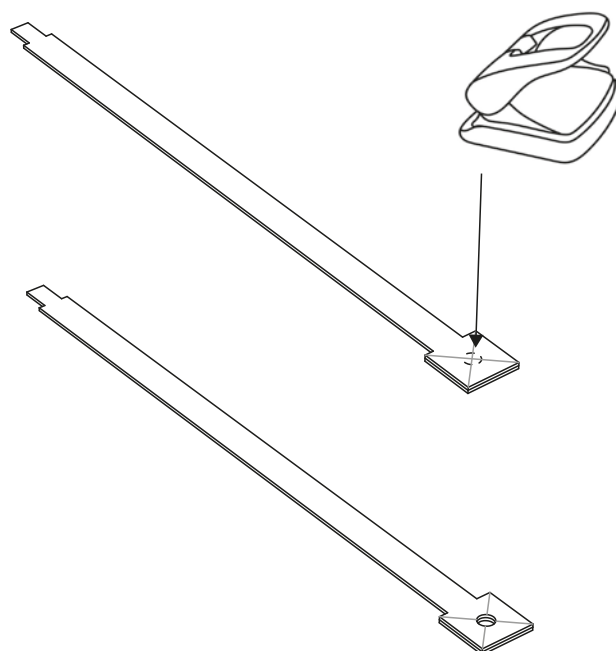
Take one of the elements D.

STEP XI



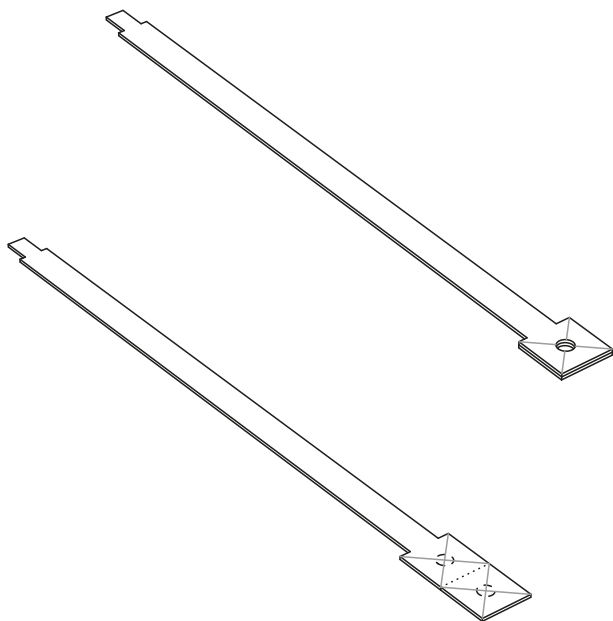
Follow the dotted line to fold the paper onto itself, then glue the two parts together using the glue stick.

STEP XII



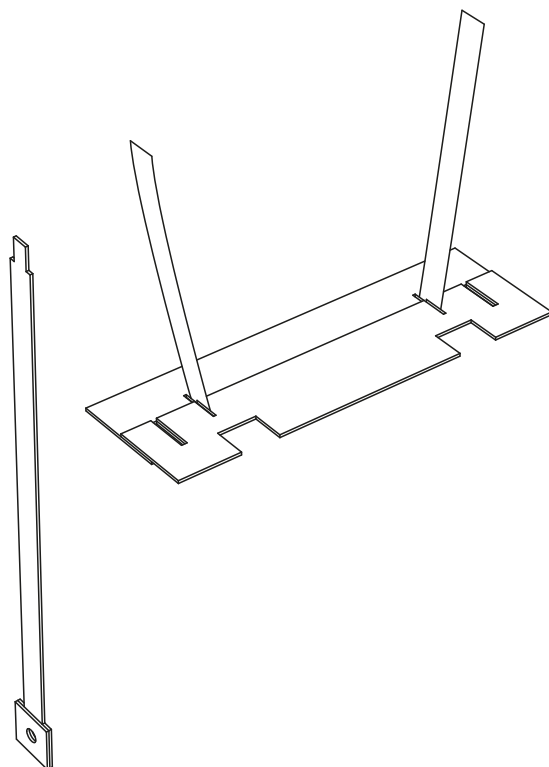
Use the paper hole punch to make a hole at the point indicated by the dotted line.

STEP XIII



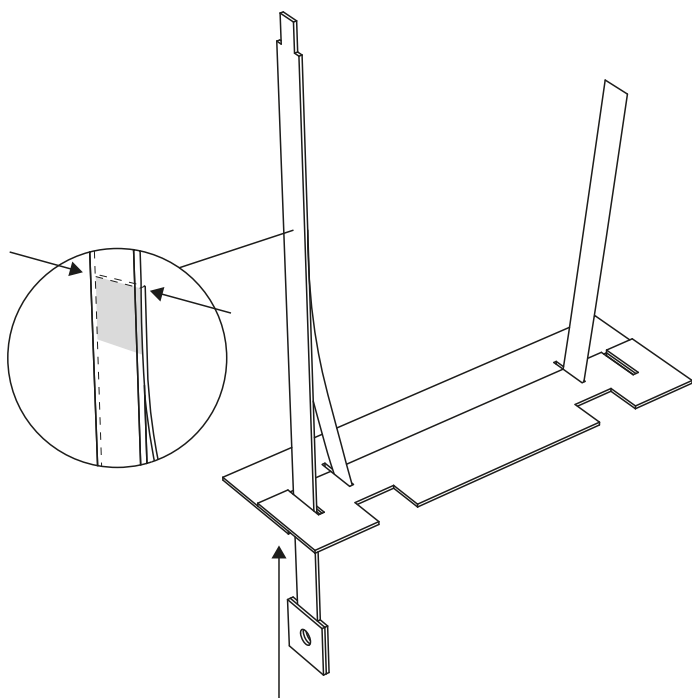
Repeat steps XI and XII with the second element D.

STEP XIV



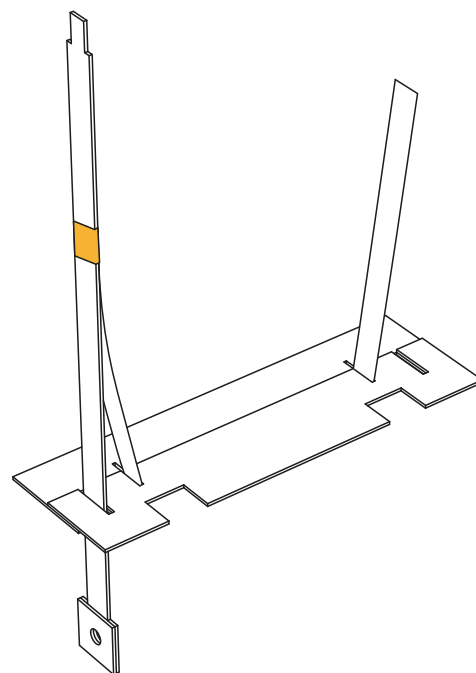
Take the assembly A+B+C and one of the elements D.

STEP XV



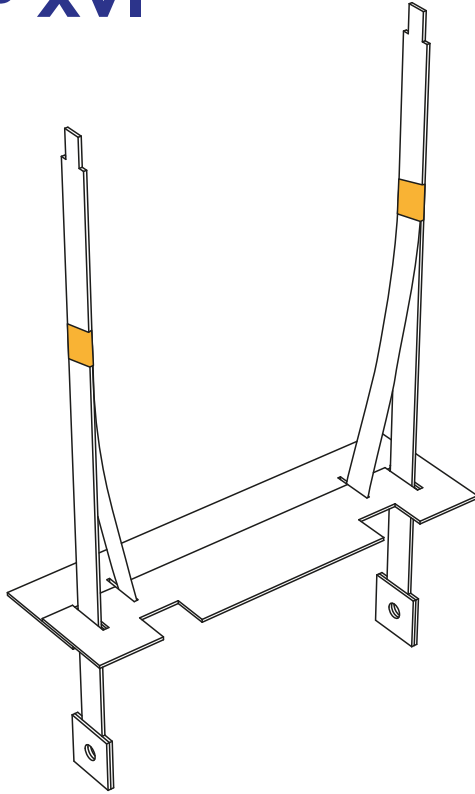
Slide element D into the slot of the assembly A+B+C until the the top of the line pattern of element D alignes with the end of element C.

STEP XVI



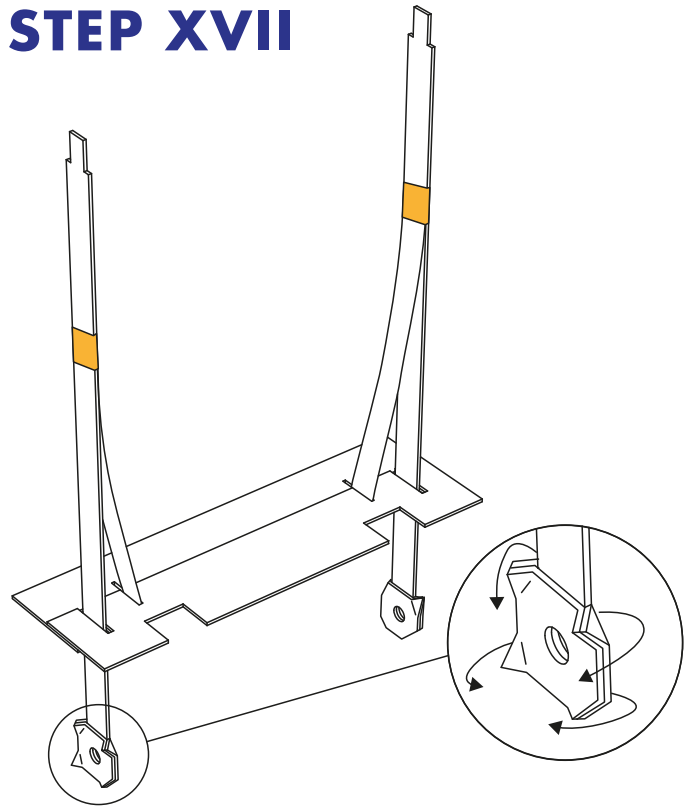
Apply glue with the stick on the grey area indicated by the line pattern of element D, then glue it to element C. You can also use a piece of tape to fix the two elements together.

STEP XVI



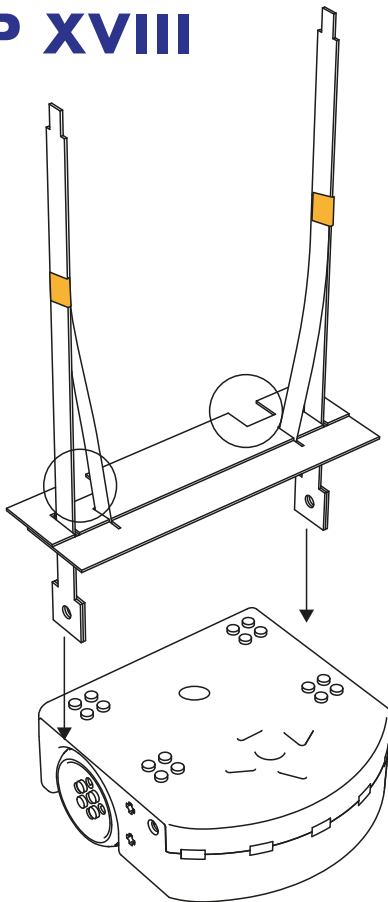
Repeat steps XV and XVI with the second element D.

STEP XVII



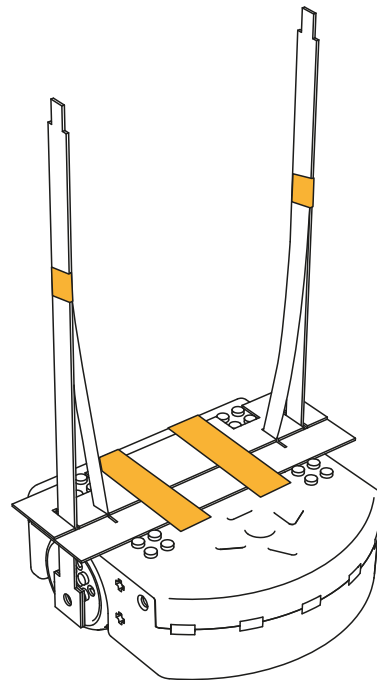
Slightly bend the four corners around the punched hole in element D towards the outside of the structure. Repeat on both sides.

STEP XVIII



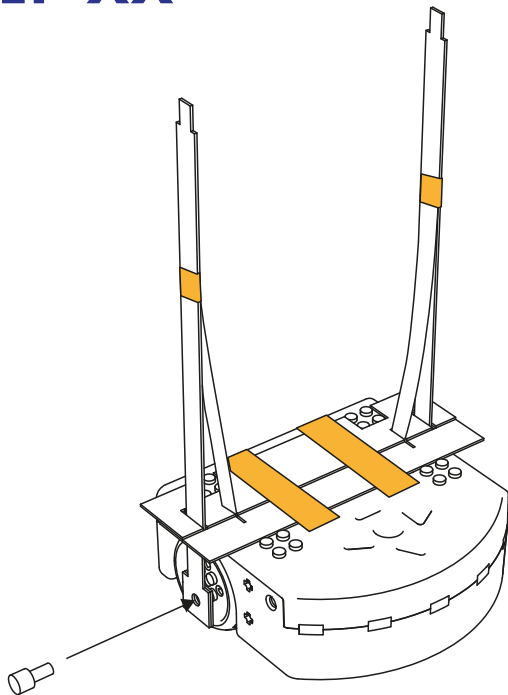
Place the entire assembly on the Thymio. The two «teeth» of the assembly A+B face towards the back of the Thymio.

STEP XIX



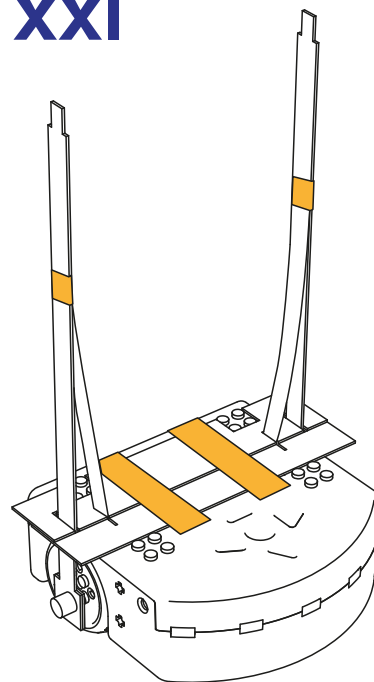
The entire assembly should be aligned with the Lego details of the Thymio. Use two pieces of tape to attach strongly the structure on the Thymio.

STEP XX



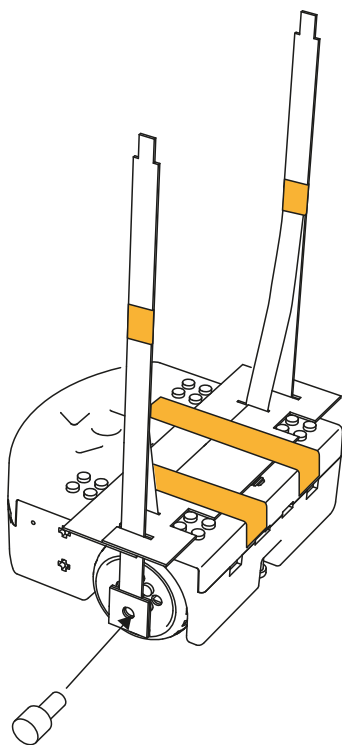
Take one Lego piece and pass it through the punched hole of one of the element D.

STEP XXI



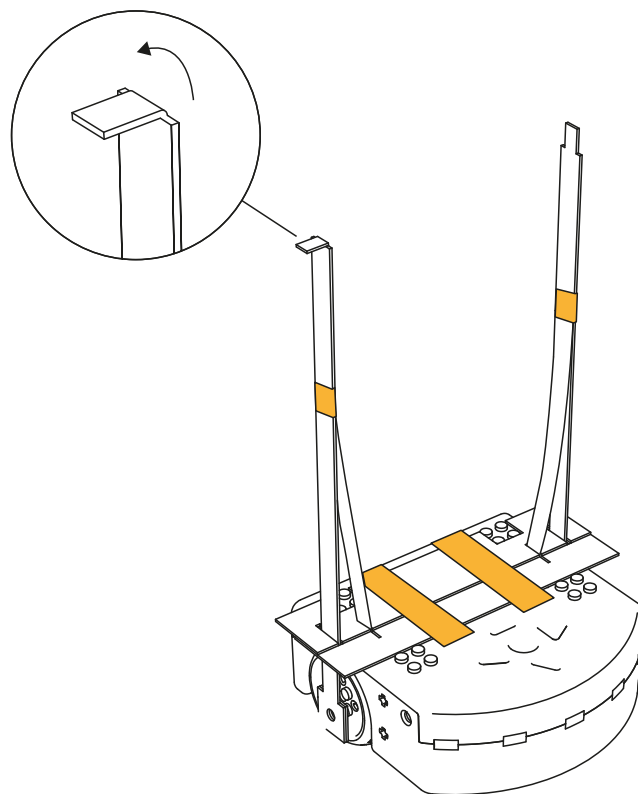
Then insert the Lego piece into one of the 4 holes of the Thymio's wheel. Do not press all the way in, so that the Lego piece leaves some space between the element D and the Thymio's wheel.

STEP XXII



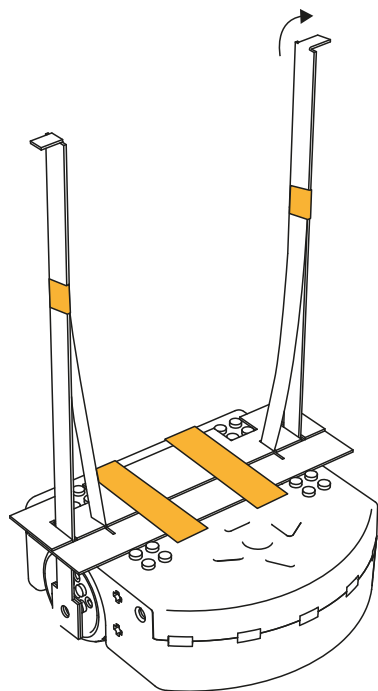
Repeat steps XX and XXI on the other side of the Thymio.

STEP XXIII



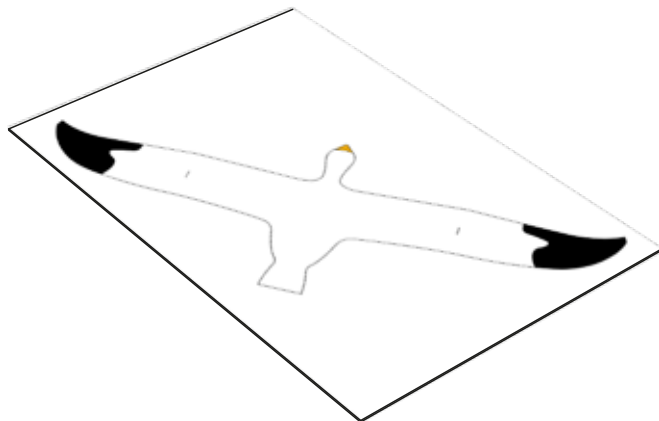
Fold the end of one of the elements D 90° outwards from the Thymio.

STEP XXIV



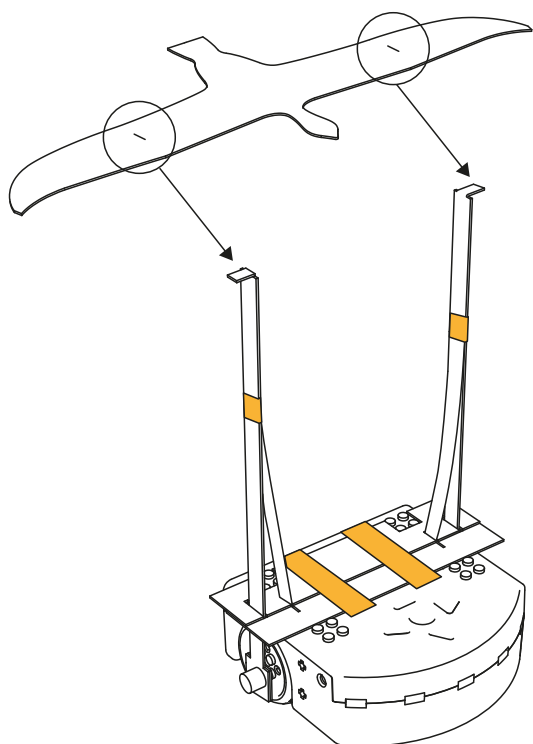
Repeat step XXIII on the other element D.

STEP XXV



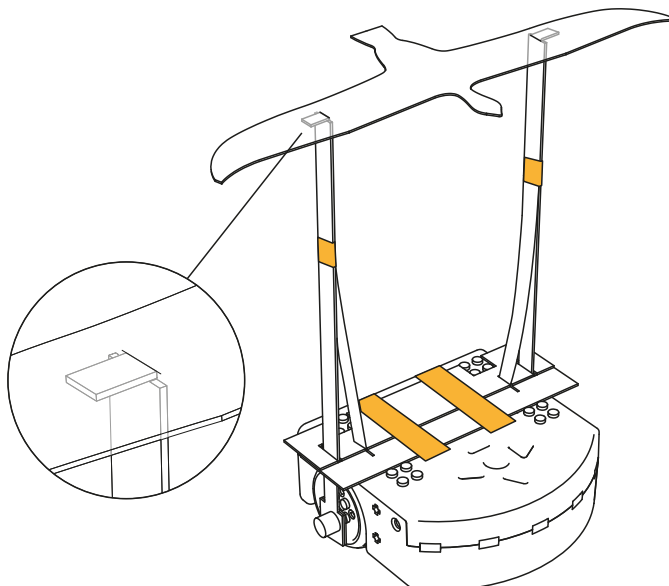
Cut out the bird template using scissors or a cutter.

STEP XXVI



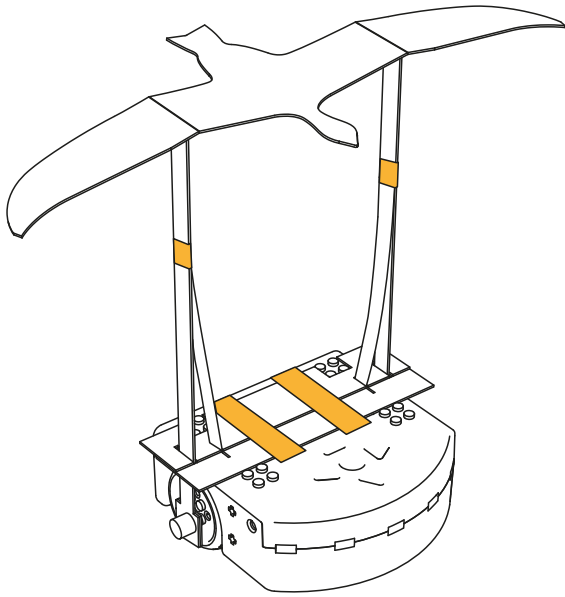
Apply glue on the line patterns area at the end of elements D.
The two small black lines on the bird's wings indicate where to place it on the structure.

STEP XXVII



Glue the bird on the elements D, using the two black lines as reference points to place it correctly.

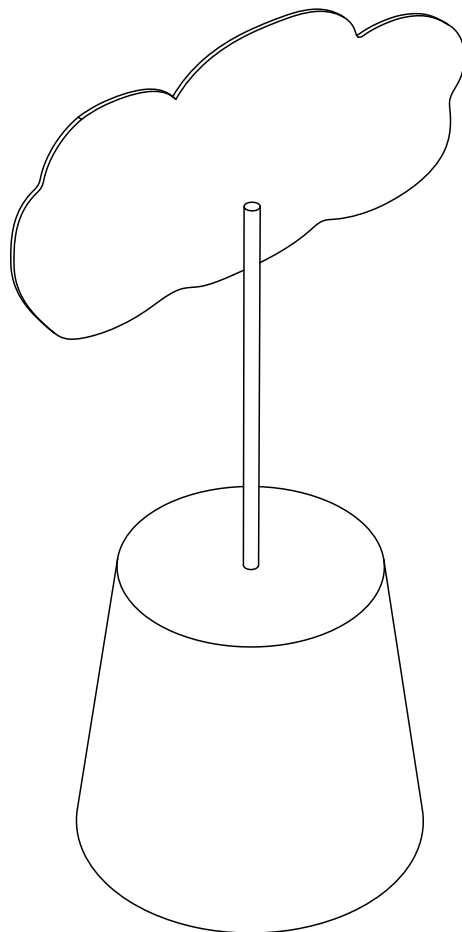
STEP XXVIII



The wings can be slightly folded, but it's not mandatory.

THE CLOUDS

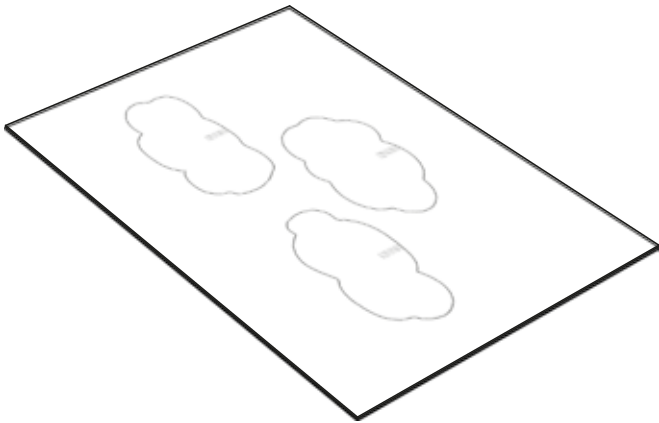
CONSTRUCTION TUTORIAL



SUPPLIES

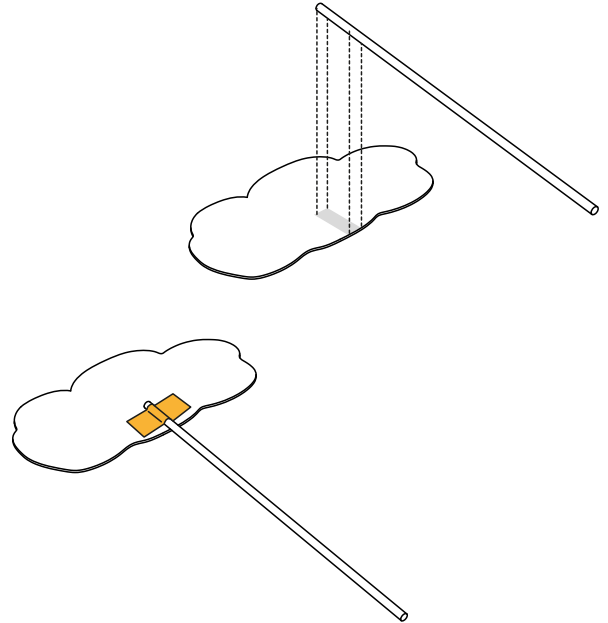
- 1x A4 template of the clouds, 300g/m²
- 3x wooden sticks (*suggested dimensions: 12cm long, 0.2cm of diameter*)
- 3x cardboard cups (*suggested dimensions: 6cm high, 6cm of diameter*)
- Scissors or cutter
- 1x tape

STEP I



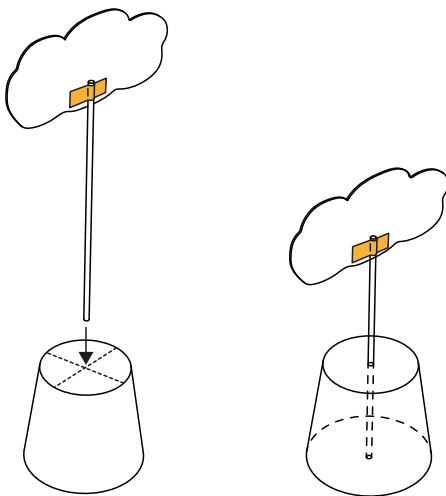
Cut out the three clouds on the A4 template using scissors or a cutter.

STEP II



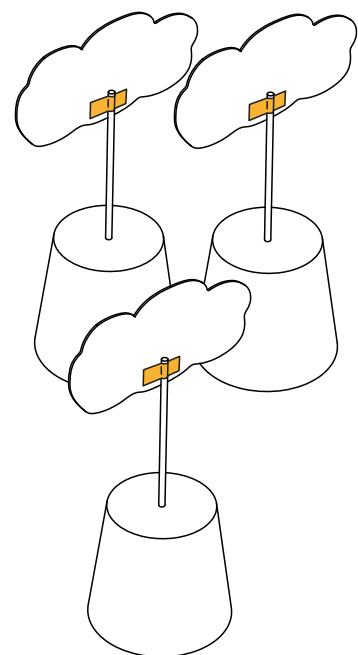
Take a wooden stick and assemble it behind a cloud with a piece of tape.

STEP III



Perforate the centre of the bottom of the cup by pushing in the wooden stick. Push until the stick touches the surface of the table where the cup is placed.

STEP IV



Repeat steps II and III for the rest of the clouds and cups.