

# Reinventions project

**#1**

Making Cardboard  
Things Move

Vanya Lambrecht Ward

Presented by:



## Introduction

We, at Kids' Own Publishing Partnership, would like to show you what we did in our first "Reinventions Project" workshop (online in May 2020) and have made this document, to give you some of the tools, techniques and encouragement, to try to make your own!

Each week, for 4 weeks, we will have a new pack full of activities and ideas that we hope will inspire you to make many new things from old stuff. This week's 'Making Cardboard Things Move' pack was put together by artist/ designer Vanya Lambrecht Ward.

Most importantly, we want you to make your own reinventions! These can be inspired by our guides or can be your own brand new ideas. We are creating a Kids' Own Library of Ideas which will be on our website, and we want ideas from children about how we can make new things from old stuff. Please see the last page in this guide for details on how to share and get involved!

When everything is open again, we would like to organise a day where you can bring your creations and share your ideas and techniques so hang on to them until then!

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# what you will need:

- \* Cardboard (recycled!)  
(the kind you can still cut with scissors)
- \* Paper (recycled)
- \* String
- \* Tape (masking/washi etc)
- \* Hole punch (handy but optional)
- \* Glue stick (handy but optional)
- \* Scissors
- \* Pencil
- \* Pen
- \* Markers and coloured paper if you want  
to decorate or embellish things!



## Moving Object #1: Up, up!





# Moving Object #1: Up, up!

To see the rocket in action - [Click here for video](#)

**1** - Have a think about what kind of object you would like to make that moves - it can be anything really!

**2** - Draw your object out on the cardboard. (Trace the first one if you want to have a neat back to your object)

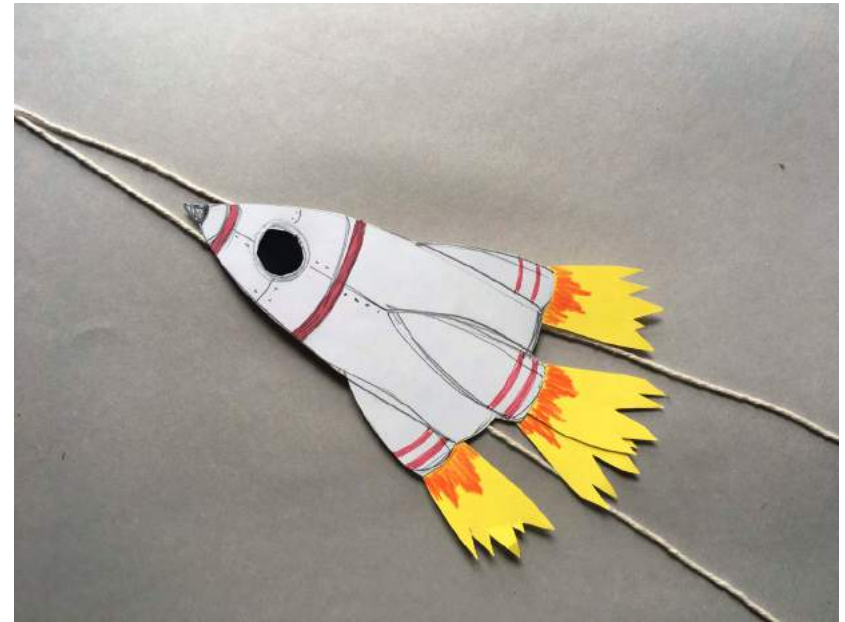
**3** - Cut it out, carefully, and you can add extra bits if you like.

**Tip:** Cut off the big parts around your object or creature first before you try and get the little details!

**4** - Make small cylinders (See techniques on next page) and attach them to the back - I used some glue and some tape to make it extra strong! (You can use old straws for this if you have any lying around, otherwise roll up some paper or light card, it works just as well.)

**5** - Using a long piece of string (2 metres or more!) string it through the cylinders and tie a knot at the top. I also made some handles at the bottom to stop it slipping out. (See tips on next page)

And you are done!



# HOW TO MAKE A PAPER CYLINDER

## Technique #1

**#1** - You can roll a piece of paper up by hand to make a cylinder, but its even handier to roll it around a pencil first.



**#2** - A little bit of tape holds it nicely in place.



## Tips!

**#1** - To attach the tubes extra securely I used some glue and tape on top. (The bigger the objects, the more tubes you will need.)



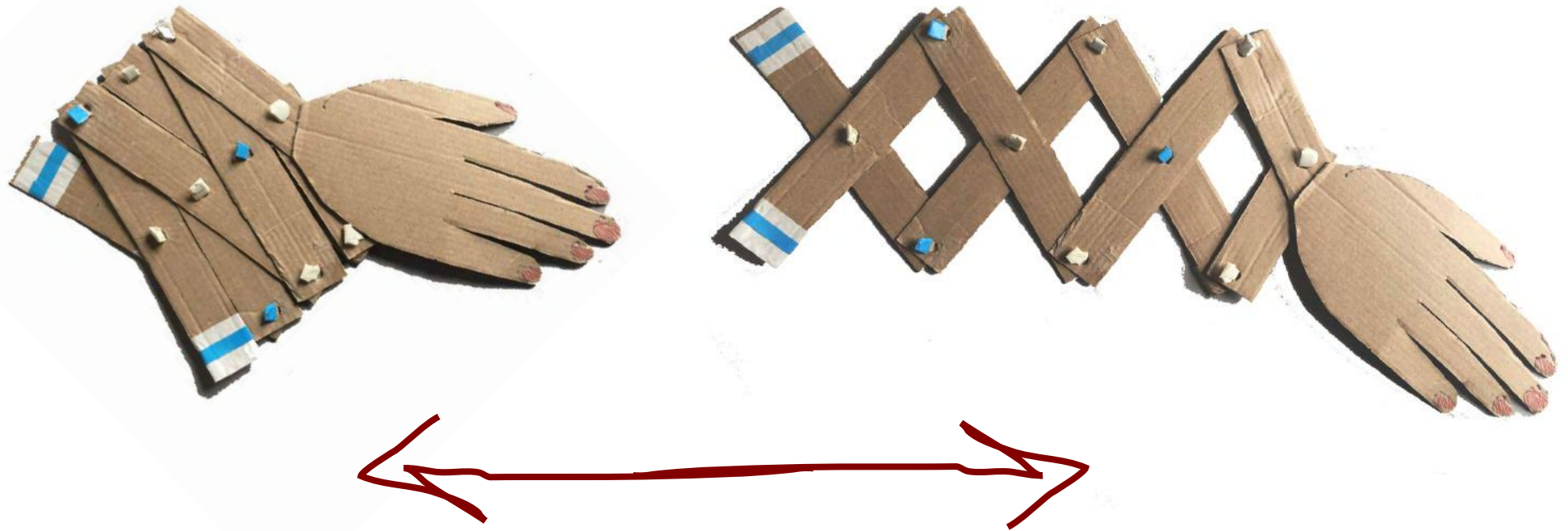
**#2** - To get the string through the tubes without a needle put some tape around the end to make it stiff and sharp, that will do the trick!



**#3** - I attached some cardboard handles at the bottom of the strings. This makes it handier for pulling your object up!



## Moving Object #2: Joints and Scissor action



# Moving Object #2:

## Joints and Scissor action

To see the scissor action [click here for video](#)

**1** - Have a think about what kind of object you would like to make that moves - have a look at the examples if you are stuck!

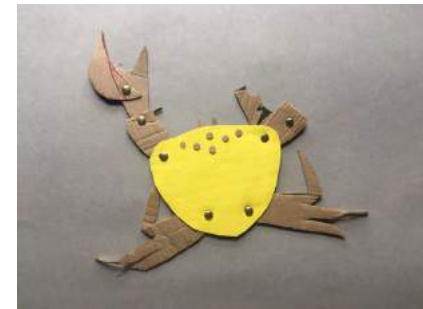
**2** - Draw your object out on the cardboard, or if you prefer, join random shapes and see what comes out. You could be inventing a new machine!

**3** - Cut it out, carefully, and you can add more bits if you like.

**Tip:** Cut off the big parts around your object or creature first before you try and get the little details!

**4** - To join the different parts of your creation you will need them to overlap and both have a small hole. This hole then needs a pin (or what Americans call 'a Brad'). The next page has two examples of how you can make these!

**5** - Once you have managed to make two pieces of card with two holes and a piece to join them, you can make many more and make as many as you like to join! The sky is the limit.....!

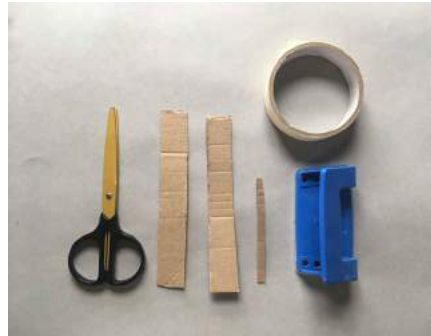




# How to make a card pin/brad

## Technique #1

**#1** - Cut a narrow piece off card (narrow enough to fit through the gap of a hole-punched hole).



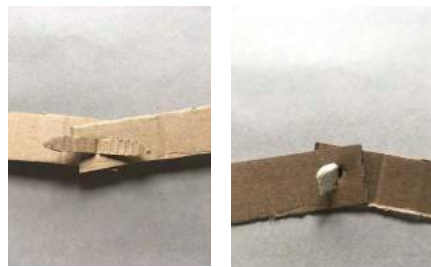
**#2** - Fold the strip in half

**#3** - And fold the top bit again

**#4** - Wrap some tape around the top bit and give it a good rub.

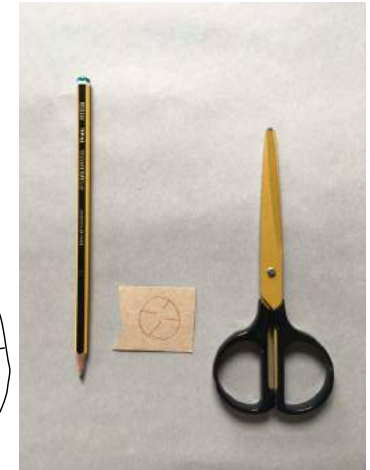
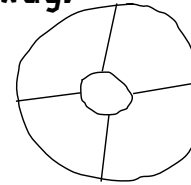


**#5** - Put the two legs of your home made pin through the holes and fold them away from each other on the other side. (Tip: You can secure them with some tape or glue if they keep jumping back up)



## Technique #2

**#1** - Draw a circle with lines going to the centre (but not all the way)



**#2** - Cut out the circle and cut in along the little lines, carefully...



**#3** - Lift two parts and squeeze them together



**#4** - Now push these two bits through the two holes in your cards and flatten them on the other side!

## Examples of artists that make moving objects:

We wanted to share some wonderful moving objects that these geniuses have made and hope you are inspired!

(Their names have Internet links so you can click on each one and have a look at some videos and more information about them.)



Theo Jansen



Justin Gershenson-Gates  
(Fly made out of an old watch)



Jean Tinguely



Matt Smith

# Share:

We would love to see your **reinventions** that you have made with card and possibly other recycled materials.

You can share them on Social Media using

**#kidsownlibraryofideas**

and **#kidsownreinventions**

or send them to us at:

**info@kidsown.ie**

We will post them in the Kids' Own

Library of Ideas on our website

(Make sure you include your name and other details you would like to share and we will include them.)