

# MAKERS MANUAL #5

## Tessa Geuze



### INTRODUCTION

This Makers Manual explores ice lolly design and making using things you can find in the home. Create your own ice lolly moulds from used plastic sandwich bags. Design your desired shape on a piece of aluminium foil, place the foil on top of your sandwich bag and trace the shape with an iron to seal the shape.

Experiment with different recipes, create your favourite flavours for your juice and make your own ice lollipops at home.

#### STEP 1

Start by mixing your juice. You can use any juice you like, for this manual we are making a simple orange juice. Place 10g sugar, 10ml water and some orange zest in a pot and bring to boil. Keep cooking until all of the sugar has dissolved, then leave to simmer for a further 5 minutes. Set aside to cool.

#### STEP 2

Press 1 orange (100ml) mix together with the sugar mixture and a pinch of salt. Put in the fridge to cool.



#### STEP 3

To begin preparing the ice lolly container take your sandwich bag and cut off the seal of the bag. If you have a used sandwich bag, make sure there are no holes in the area where you draw the shape and that you clean the bag properly. The reason we are using a high quality zipper bag is because the plastic is sturdier.



#### STEP 4

Cut out a piece of aluminium foil that is slightly bigger than your sandwich bag, with

± 1 cm extra on each side. Place the sandwich bag in the middle of the foil. Mark an outline of the sandwich bag on the aluminium foil.



#### STEP 5

Take your lollypop stick and put it on the aluminium foil. Draw two lines marking the width of the stick, starting on the marking line of the bag going down ± 4 cm.



#### STEP 6

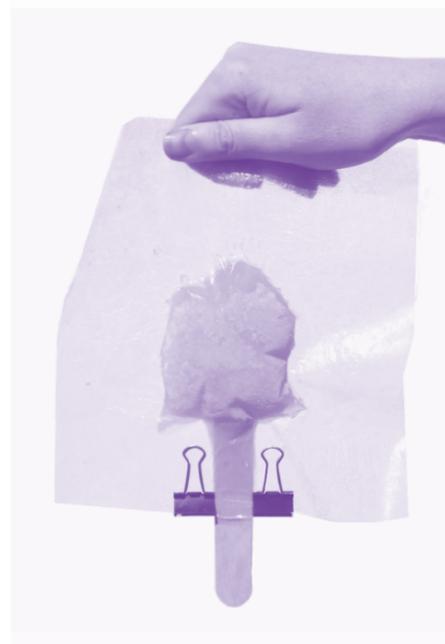
Now we are going to draw our lollypop shapes. Keep in mind that you will be tracing this shape with an iron, organic shapes are harder to trace than straight lines. You can explore some concepts for your lollypop on a piece of paper before adding your final design to the aluminium foil.

#### STEP 7

Draw the final design for your ice lollypop on the aluminium foil.

#### STEP 8

Place the plastic bag under the aluminium foil. Make sure the open side of the bag is facing the direction of the lollypop stick. Put



### LIST OF THINGS

- High quality sandwich bag with zipper made from HDPE or LDPE plastic
- Aluminium foil
- Baking paper
- Iron
- Freezer
- Lollypop- or craft stick
- 2x Clips
- Marker
- Funnel (make one yourself with a piece of paper or a plastic bottle)
- Scissors
- Juice

### JUICE INGREDIENTS

You can use any juice you like. For a basic fruit juice you will need:

- Fruit – for example orange, pear or strawberry. Experimenting and mixing flavours is encouraged!
- Sugar (optional)
- Water
- Pinch of salt
- Citrus juicer or blender

baking paper underneath as protection for the working surface that you intend to iron on.



#### STEP 9

Now we are going to trace our lollypop shape on the aluminium foil with an iron. This will melt the plastic underneath and seal the shape of your lollypop design. Make sure not to place your iron directly on the plastic as it will melt to it. Slowly follow the line on the foil with your iron on medium heat (you can use the wool setting which is between 160-180 °C) pressing for about 5-10 seconds on each part of the line. Continue tracing the shape all around, also covering the corners. Pay extra attention to the part under the shape, when you fill your shape with your juice this is where the weight of the juice could break your seal.



#### STEP 10

Let the seal cool down for 1 minute before removing the foil to prevent ripping.

#### STEP 11

Before filling your bag with juice, test your bag for leaks by slowly filling the shape with water from the tap. If the water stays in

### BIO OF THE DESIGNER

Tessa Geuze is a Dutch design anthropologist and educator currently based in London. In her work she interrogates how we relate to the world surrounding us, challenging conventional ideas and beliefs by creating playful objects as translations of her research. Tessa is associate and tutor at STORE Schools & Projects and Co-Director of the STORE STORE.

### FURTHER READING

- La Grotta Ices, Kitty Travers
- Food Designing, Martí Guixé
- Works That Work magazine

### FURTHER EXPERIMENTS

Make your lollipops even more playful by creating multiple layers of colour. Make two different juices and start by filling 1/2 of your ice lolly-bag with one of the juices. Place the bag in the freezer vertically by leaning it against the side of the freezer. After one hour, take the bag from the freezer and add your second layer. Put it back in the freezer and freeze for five more hours.

Try and experiment with flavours, make your fruit-mix funkier by adding ingredients such as rosemary, lavender or ginger. Besides the basic fruit juices, you could try (vegan) yoghurt or milk based recipes. Or how about a salted caramel, chocolate or liquorice lollypop?

Makers Manual is a collaborative project between exciting makers and STORE STORE. Participation is free and no design background is necessary. You can share your creations using #makersmanual. We will pick our favourite submissions and publish the results in a limited printed edition of all of the manuals. Everyone who makes it into the book will receive a free copy.

This project is supported by Coal Drops Yard.

## STORE STORE

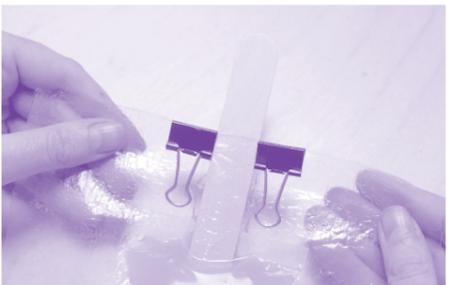
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the shape, your ice lolly-bag is ready to be filled with juice. If you do have some leaks, dry the bag and reseal using your iron and aluminium foil.



#### STEP 12

Take your juice from the fridge and fill your ice lolly-bag using a funnel. If you don't have a funnel, you can make your own using some paper.



#### STEP 13

Put your lollypop stick into the bag and seal with a clip on each side to prevent from leaking.

#### STEP 14

Place your lollypop in the freezer for at least five hours.

#### STEP 15

Take your lollypop from the freezer and remove the wrapping. You can reuse the wrapping by resealing it to make more lollipops. Your ice lolly is now ready. Best enjoyed in the sun!

