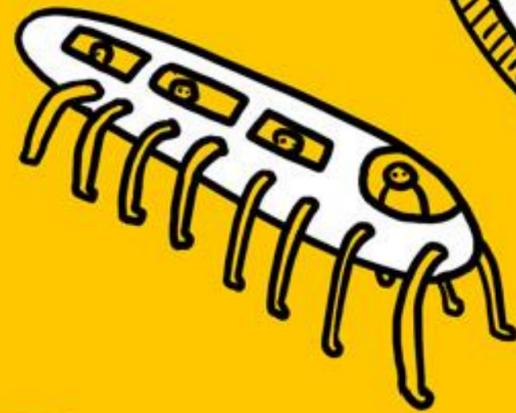


Daily Challenge!



Pack 6!



I'm Dominic Wilcox, the Chief Inventor at Little Inventors and...

I challenge you!

I know a lot of you will now be at home and we want to make sure those brains of yours are kept busy during this time. I present to you, the **Little Inventors Daily Challenge!**

Here is my **sixth set of 15 challenges** in one place - you could do one, two or all of them if you want! There are challenges that deal with all sorts of problems, some serious and some just good fun. There will be more soon!

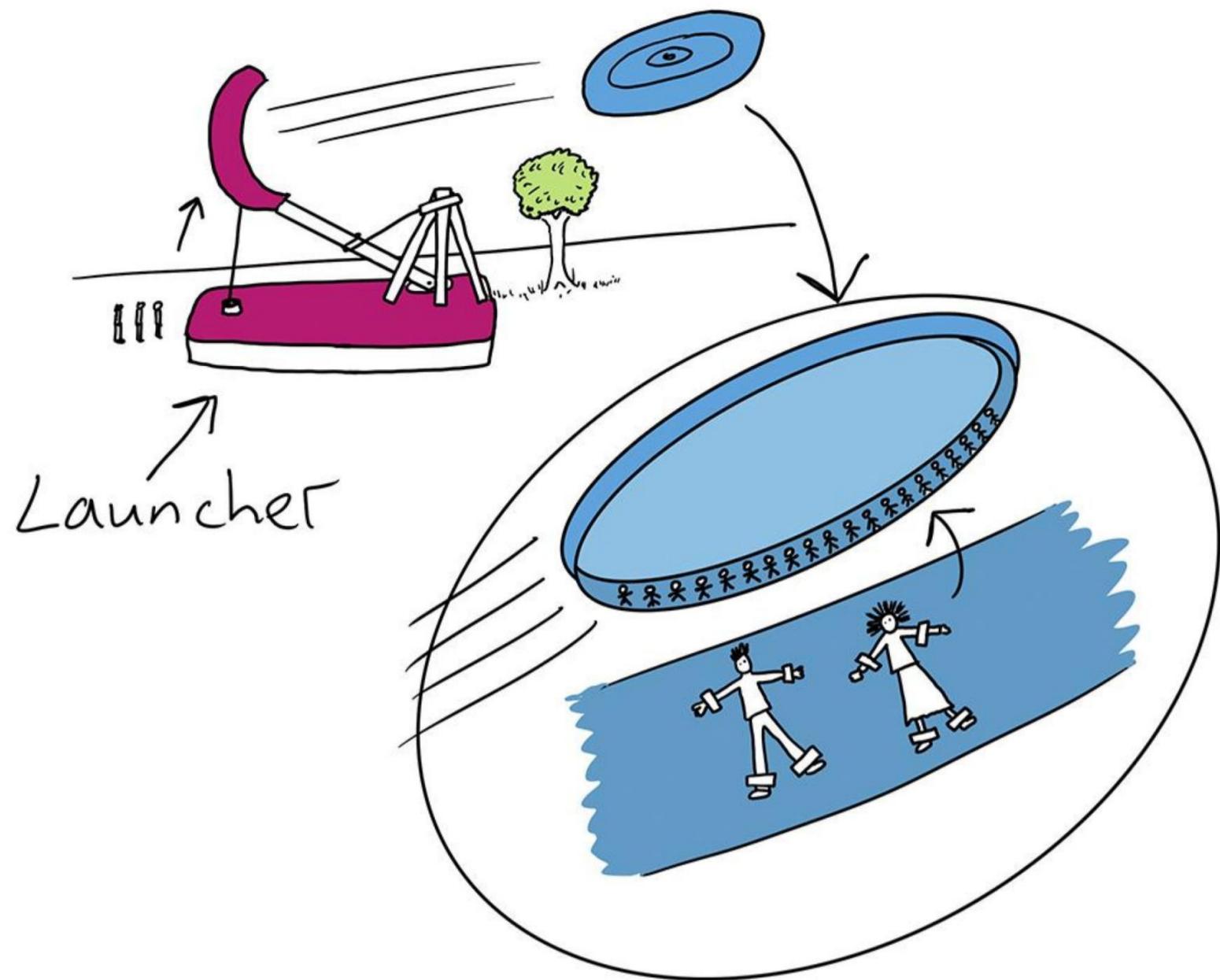
Whatever challenge you take, we would love to see it! So upload it to

[littleinventors.org](https://www.littleinventors.org) or share it on our social media with tag **#timeforcreativity**.

We will choose our favourite invention every week and the winner will receive their own copy of **the Little Inventors Handbook** to keep the ideas flowing!

1. Invent an exciting way to travel that uses less energy
2. Design a bowl that has an extra special use or function
3. Imagine something in your house that you could swim in. Big or small. Draw yourself swimming in it
4. Make a model of our chief inventors super snack serving shoe
5. Draw a statue of someone you think is great
6. Design an object in your home that can also make music while using it
7. Draw a very helpful invention that will look after nature
8. Invent a new way of exercising while making music at the same time
9. Make a bright and colourful 'Matisse inspired' egg
10. Design the most amazing picnic hamper which contains all your favourite food and drinks
11. Draw yourself as a character from your favourite story
12. Invent a way to protect trees and wildlife in forests
13. Design clothes for animal and people that helps to keep them cool in the heat
14. Make a sunburst cardboard sundial clock
15. Invent a way to generate heat that uses less energy

Giant Frizbee Transport



Little Inventors
Daily Challenge #71

INVENT AN EXCITING
WAY TO TRAVEL THAT USES
LESS ENERGY

Upload your drawings or makes to littleinventors.org

#timeforcreativity

An invention by Dominic Wilcox



'Alarm cup' by Rumaan, Age 11, UK.

"The alarm cup is a device that you use to prevent your food from expiring. You place your item in the container and set the alarm for the day that it expires. The alarm will ring two days before the date so that you have enough time to eat or use it if it is made out of metal."

Little Inventors

Daily Challenge #72

DESIGN A BOWL THAT HAS
AN EXTRA SPECIAL USE OR
FUNCTION

Upload your drawings or makes to littleinventors.org

#timeforcreativity



Big cup' by Lea, Age 8, Canada.

"I can swim and bath in the big cup while I drink juice. I don't need to worry to spill to my clothes. There is a ladder in the cup so I can climb in and out."



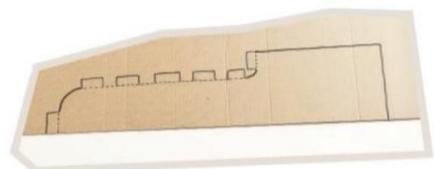
Daily Challenge #73

IMAGINE SOMETHING IN YOUR HOUSE THAT YOU COULD SWIM IN. BIG OR SMALL. DRAW YOURSELF SWIMMING IN IT!

Upload your drawings or makes to littleinventors.org

#timeforcreativity

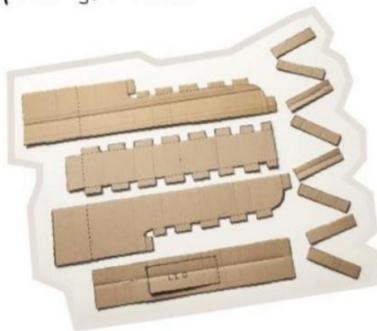
1. Draw the outline of the side of the shoes.



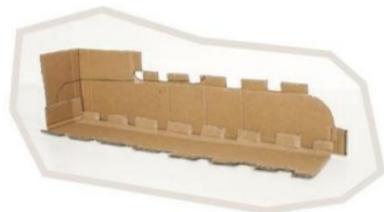
2. Cut them up!



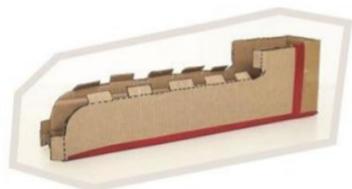
3. Use the first shape as a guide to draw and cut all the parts you need.



4. Glue the parts together.



5. Add tape to secure the parts, and for decoration!



6. Use scissors to make holes and tie all the arm pieces together with string.



7. Tape to the inside of the shoe.



You're done!

TOP TIP:

You can see me making the snack shoe at littleinventors.org



Make a Super Snack Serving shoe! Here are some instructions.. For a more detailed guide visit our Pioneers Challenge site and download the PDF: Prototyping your idea.

Little Inventors

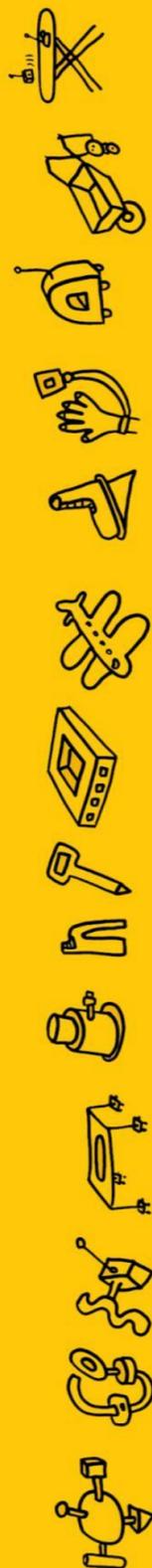
Maker Monday #06

MAKE A MODEL OF OUR CHIEF INVENTORS SUPER SNACK SERVING SHOE!

Making instructions in the link!

#timeforcreativity

littleinventors.org





Little Inventors

Daily Challenge #74

DRAW A STATUE OF
SOMEONE YOU THINK
IS GREAT!

Upload your drawings or makes to littleinventors.org

#timeforcreativity



‘The Wild Music Hair Dryer’ by Lola, Age 6, UK. Made real by Jake Harries, Access Space and Toni Buckby
“The hair dryer plays lovely music instead of a loud hair dryer noise.”

Little Inventors
Daily Challenge #75

DESIGN AN OBJECT IN YOUR HOME
THAT CAN ALSO MAKE MUSIC
WHILE USING IT

Upload your drawings or makes to [littleinventors.org](https://www.littleinventors.org)
#timeforcreativity



Daily Challenge #76

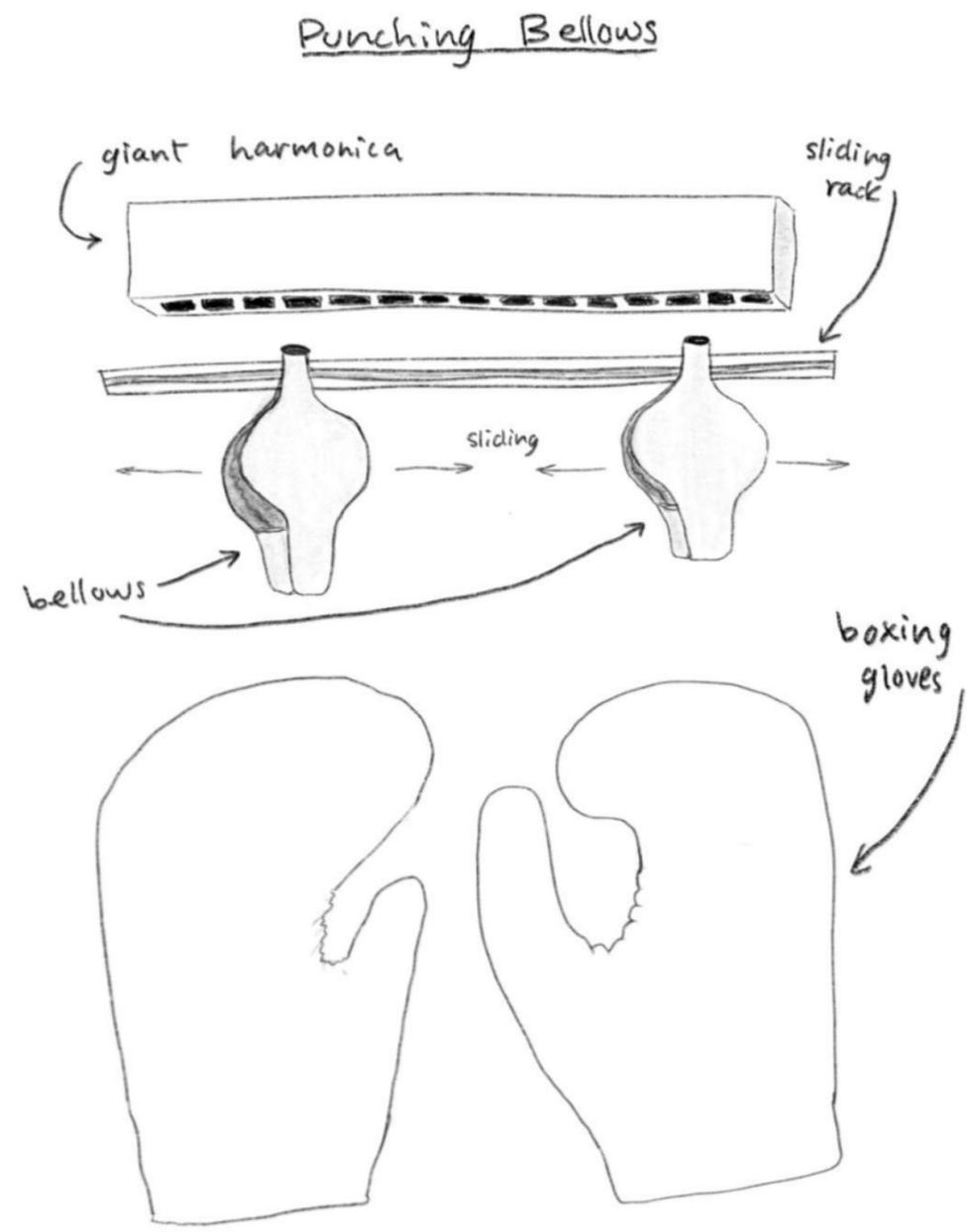
DRAW A VERY HELPFUL
INVENTION THAT WILL
LOOK AFTER NATURE

Upload your drawings or makes to littleinventors.org

#timeforcreativity



"The Auto Planter", by Arjun from the US



Natasha's (ingenious!) Invention Idea

“Two bellows are attached to an electronically controlled sliding rack which is attached to a giant harmonica. The bellows move on the sliding rack to the place on the harmonica where you should punch and when you punch, the bellows will blow air into the harmonica and make music. The bellows move to the places electronically and it makes a song when you punch!”

Little Inventors
Daily Challenge #77

INVENT A NEW WAY OF EXERCISING WHILE MAKING MUSIC AT THE SAME TIME.

This challenge was set by Little Inventor Natasha.

Submit your own challenge at
littleinventors.org/mini-challenges

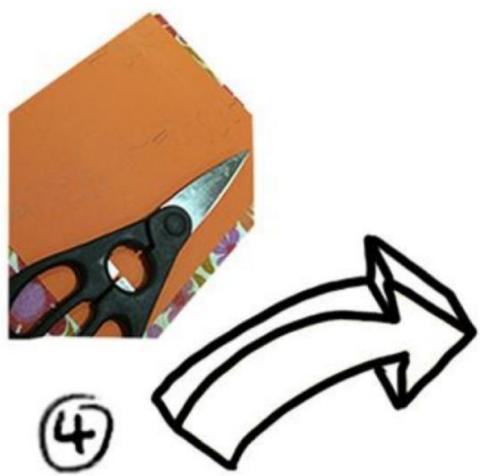
① START BY CUTTING SOME SHAPES. MAKE SOME MOD PODGE, (FLOUR AND WATER COOKED TOGETHER)



② START GLUING THE SHAPES ON A BALLOON (STANDING ON A GLASS)



MATISSE EGG



④ POP THE BALLOON!



③ LEAVE TO DRY OVERNIGHT



Here are the instructions to make a 'Matisse inspired' egg...follow the link to get a downloadable guide!



Daily Challenge #78

MAKER MONDAY

MAKE A BRIGHT AND COLOURFUL 'MATISSE INSPIRED' EGG

Today's challenge has been set (and the egg made!) by our very own chief educator, Katherine Mengardon

Upload your drawings or makes to littleinventors.org

#timeforcreativity



Daily Challenge #79

DESIGN THE MOST AMAZING
PICNIC HAMPER WHICH
CONTAINS ALL YOUR FAVOURITE
FOODS AND DRINKS

Upload your drawings or makes to littleinventors.org

#timeforcreativity



“The half hot half cold packed lunch bag” by Lola, age 8 UK



“Robocat” by Sofia, age 6, Colombia



Daily Challenge #80

DRAW YOURSELF AS A
CHARACTER FROM YOUR
FAVOURITE STORY

Upload your drawings or makes to littleinventors.org

#timeforcreativity



An invention by Marcin, age 8, Edinburgh UK

Invention for South America. Designed for the Amazon rainforest. A tree shield that protects it from fire and provides it with water, wind and light once you press a button.”



Daily Challenge #81

INVENT A WAY TO
PROTECT TREES AND
WILDLIFE IN FORESTS

Upload your drawings or makes to littleinventors.org

#timeforcreativity



Daily Challenge #82

DESIGN CLOTHES FOR ANIMALS
OR PEOPLE THAT HELPS TO KEEP
THEM COOL IN THE HEAT

Upload your drawings or makes to littleinventors.org

#timeforcreativity



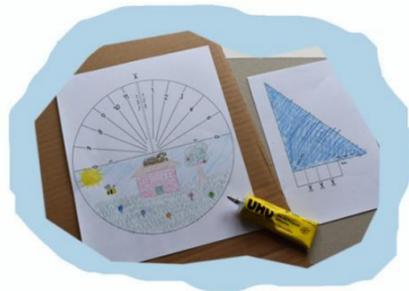
Description

- acts like real cat.
- Angora bunny fur for soft coat.
- Talks in both cat and human.
- Astronaut clothes and removable collar (clothes can be taken off too)
- Hidden secret compartments with robotic hands inside.

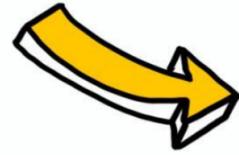
Eats, and poos, poos poos
Eats chocolate, smells + areng

An invention by Rebecca, age 10, Bainbridge Island US

"This sweet little kitty is named Nibbles III. She acts like a real cat and has angora bunny fur for a soft coat. She also has a removable collar and Astronaut suit. She also needs sleep at night, eats, and poos CHOCOLATE! (only eats chocolate!) Nibbles has a moving mouth and speaks every language."



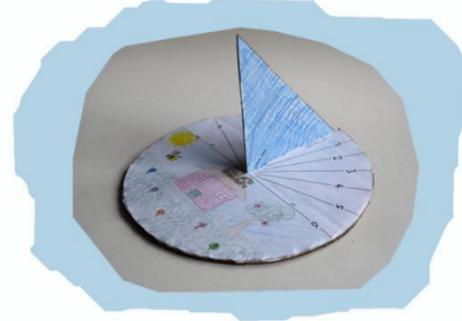
1. Print out the **templates**, colour them in the way you like and stick them to cardboard with glue.



2. Cut out the **dial plate** and the **gnomon** along the black lines.



3. Cut along the **dashed lines** on the dial plate and the gnomon. Bend the **tabs** on the gnomon and slide it in the gap on the clock.



4. Your sundial is now ready! Take it outside to read the time on a **sunny day**. You will need a **compass** - you can use the one in your phone. Make sure that the gnomon points **North**. The gnomon will cast a clear **shadow**, which shows the time.

Sundial

Sundial is the oldest known instrument for telling time. It consists of a dial plate and a gnomon. The numbered lines on the dial plate show the hours of the day. The gnomon is a part sticking up from the dial plate and its shadow falls on a new hour line every hour.

Check out Lottie Smith's "Get Making!" videos:
"Basic skills: Circles!"
"Making connections: Flanges & Tabs"

Here are the instructions to make a sundial! Follow the link for downloadable templates and instructions

Little Inventors

Daily Challenge #83

MAKER MONDAY

MAKE A SUNBURST CARDBOARD

SUNDIAL CLOCK

Today's challenge has been set by Wee Inventors, a team from Edinburgh Napier university who are helping us to bring Little Inventors to Scotland!

Upload your drawings or makes to littleinventors.org

#timeforcreativity



“Super Blanket” by Izaac, age 10, Darlington, UK

“Super Blanket powered by friction from rubbing your hands together. Designed for people who cannot move much. This blanket can go to bed with you and on your wheelchair. It is very good for cold weather.”

Little Inventors

Daily Challenge #84

INVENT A WAY TO
GENERATE HEAT THAT
USES LESS ENERGY

Upload your drawings or makes to littleinventors.org

#timeforcreativity



(Keep inventing!!)