

The BIG
Reinvention
Challenge!

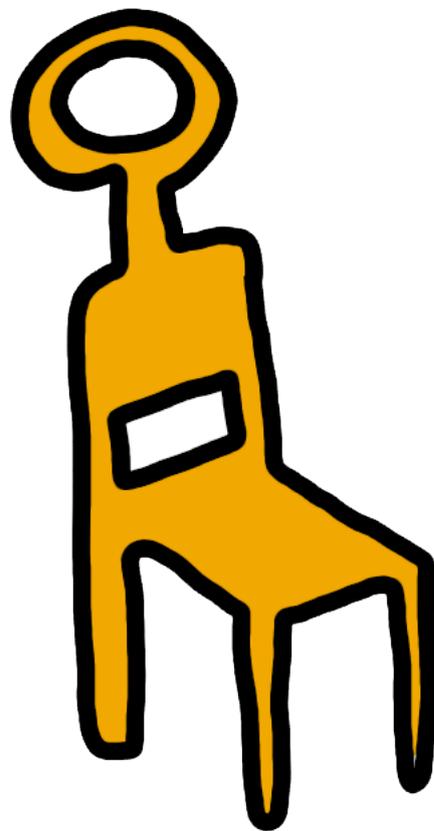
Inventor's Logbook

THE NATIONAL
FESTIVAL
OF MAKING x Little
Inventors

Think up new, fun or helpful invention ideas to save your old, unwanted things from going in the bin!

Can you think of something in your home that's not been used for a while or maybe a toy you never play with anymore?

We're challenging you to **reinvent** an object that is no longer wanted and transform it through the power of your imagination into something amazing; it could be a fun, ingenious, practical or a totally bonkers invention idea!



Have a go at the activities in this book to warm up your imagination, then complete the final challenge on the last page!





What's inside?

Activities

Try these four fun challenges to get your creativity flowing!

- 1 Trash to treasure pg 2
- 2 Mix-up machine pg 4
- 3 Office of odd pg 6
- 4 Picture challenge cards pg 8

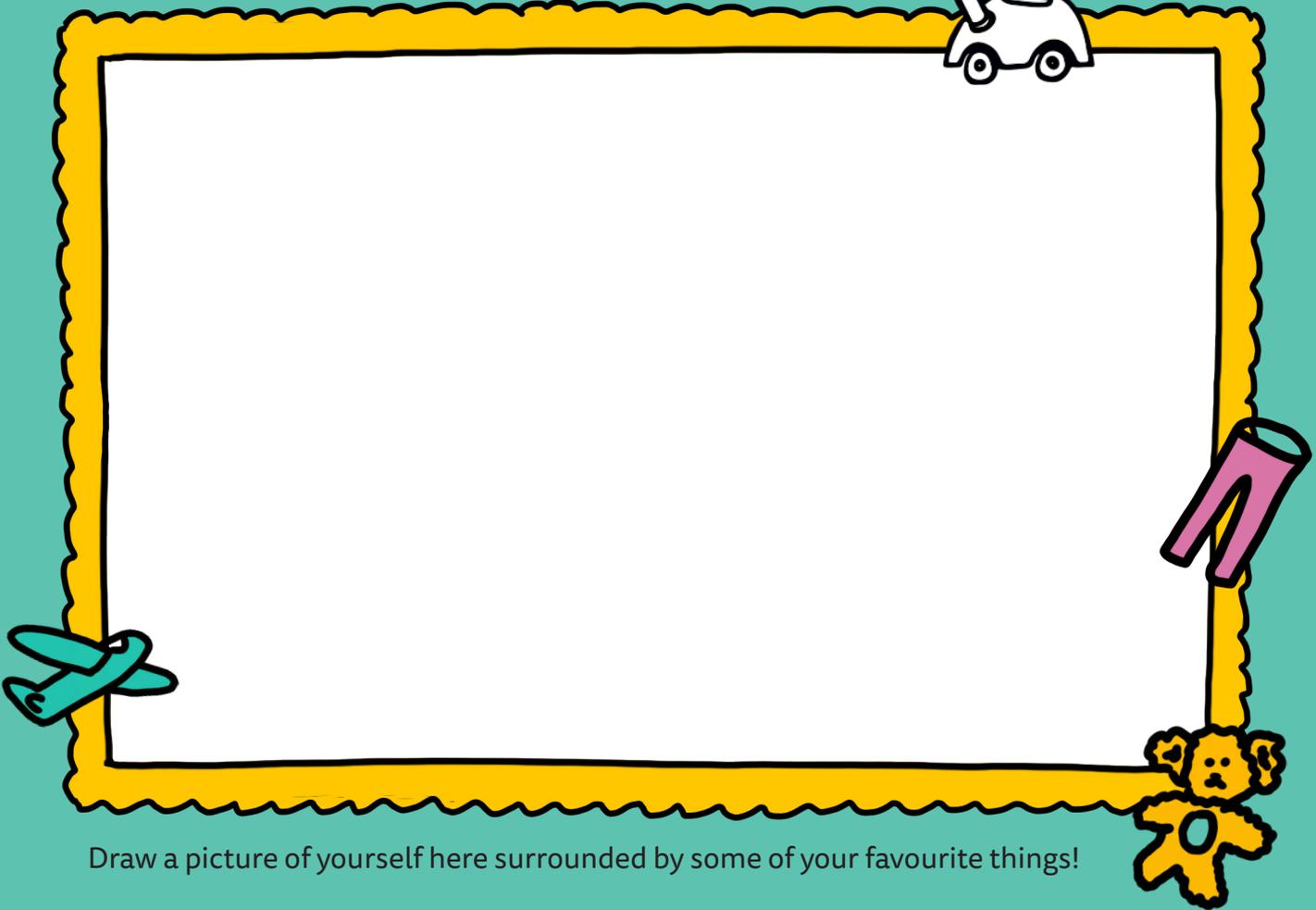
My invention drawing sheet pg 16

Bring everything together and show off your very best invention!



Let's go!

I'm a REinventor!



Draw a picture of yourself here surrounded by some of your favourite things!

My name is

I am years old

I live in

Did you know?

We throw away a million plastic bottles every minute! That's about the weight of almost two Tyrannosaurus Rex every minute!

What's one of your favourite things that you would never throw away?

.....

Write down 3 things you threw in the bin this week. *Think about packaging, old toys, holey socks!*

.....

Reusing things helps stop waste! How could you have reused one of these items?

.....

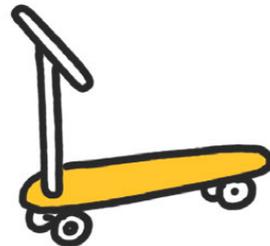
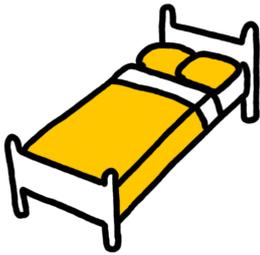
Trash to treasure

How could you reinvent these old objects to give them a new life?

Could you add something? Or take something away? Or use it in a totally new way?

Draw on or around the objects to transform them into something fun or useful.

You could also think up more of your own!



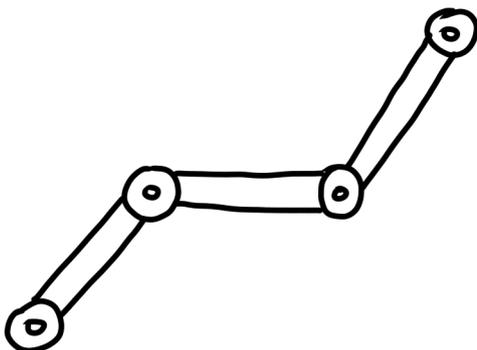
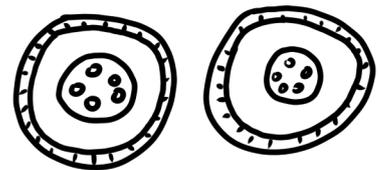
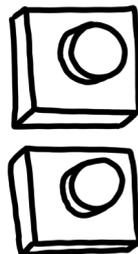
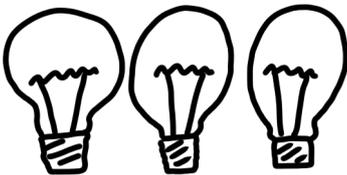
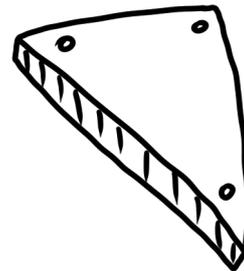
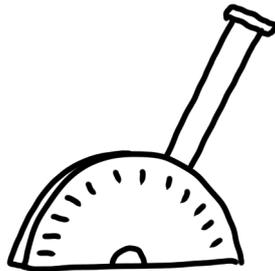
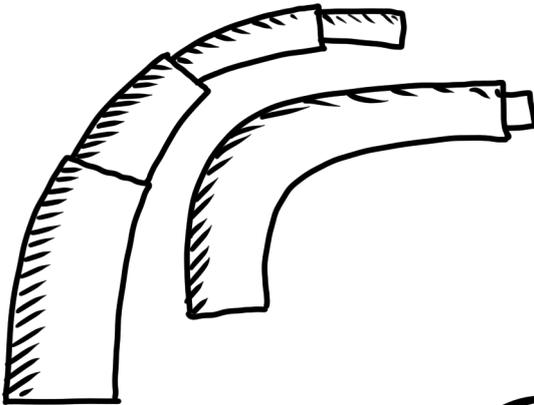
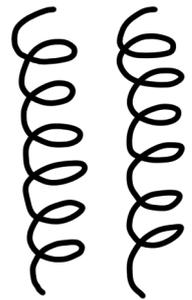
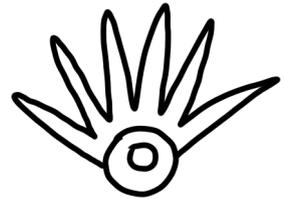
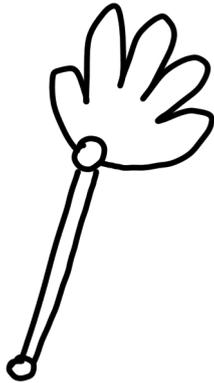
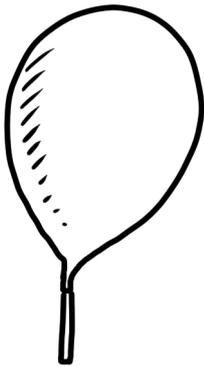
Stick your Mix-up machine creation here!



Mix-up machine

Create a sculpture or invention using these old machine parts.

Cut around the parts, arrange and glue together on the left-hand page. You can also draw your own parts to add to your creation. Add colours to bring it to life!



Office of odd

Becoming a great inventor is all about having a wild imagination!

Take a look at these odd objects and think up what they could be used for. Who might need to use these inventions? And what name would you give them?



Remember, there are no wrong answers!



Give it a name! _____

Who might use this invention? _____

What would they use it for? _____



Give it a name! _____

Who might use this invention? _____

What would they use it for? _____



Give it a name! _____

Who might use this invention? _____

What would they use it for? _____



Give it a name! _____

Who might use this invention? _____

What would they use it for? _____



Give it a name! _____

Who might use this invention? _____

What would they use it for? _____



Give it a name! _____

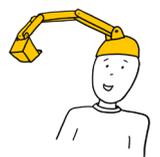
Who might use this invention? _____

What would they use it for? _____



These odd inventions are created by chief inventor
Dominic Wilcox. To discover more visit:

www.officeofodd.com



Picture challenge cards

Cut up the cards, mix them up and pick one to get started.

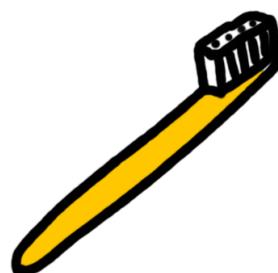
Then, give these challenges a go:

1. What would you invent with 100 of the same object? Think big!
2. Pick another card, how could you combine these 2 different objects to create a new invention?
What can your amazing invention be used for? You could make something fun or something useful.

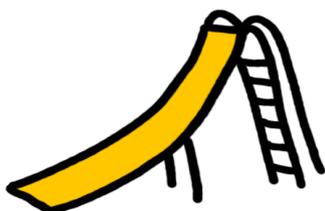
Use the space on pages 14 for drawing your inventions.



Umbrella



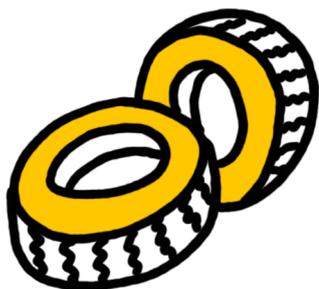
Toothbrush



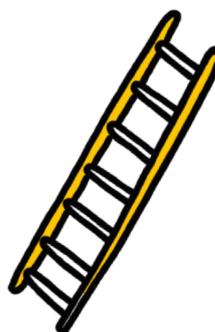
Slide



Watering can



Car tyre



Ladder

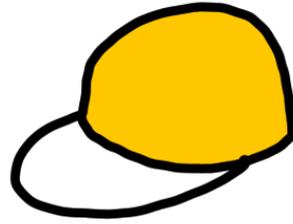




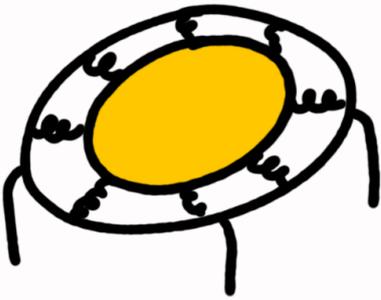
The only limit is
your imagination!



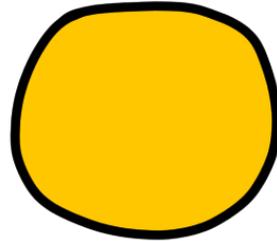
Scissors



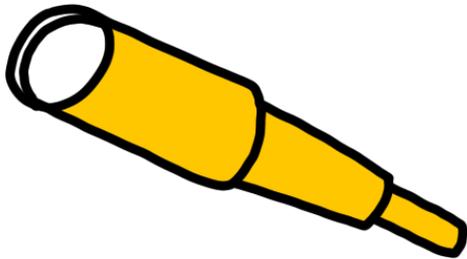
Hat



Trampoline



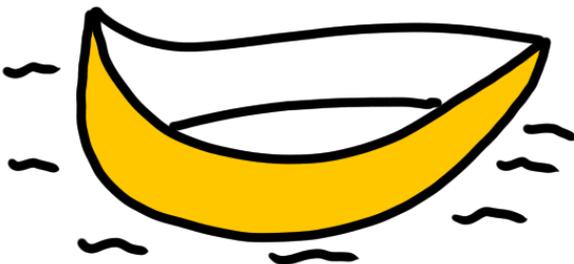
Ball



Telescope



Rucksack



Boat

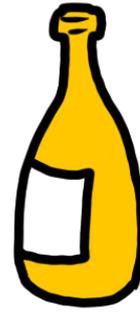


Glove

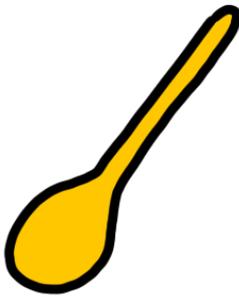




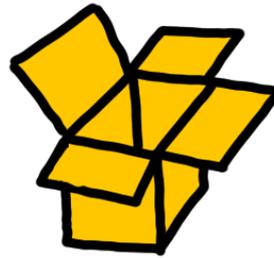
Plant pot



Bottle



Spoon



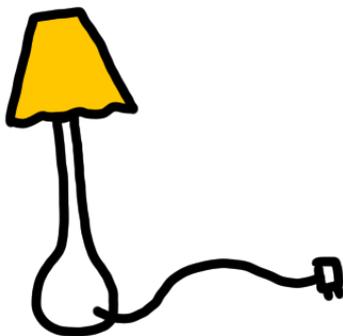
Cardboard Box



Watch



Bike



Lamp

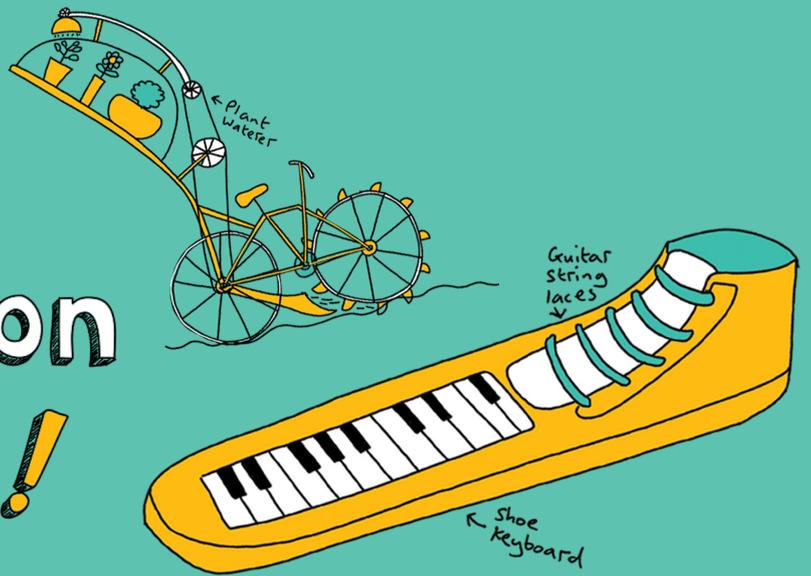


Chair



Space for drawing your inventions!

The **BIG** Reinvention Challenge!



Ready to complete your final invention idea?

We want you to come up with a fantastic new, fun or helpful invention idea to save an old, unwanted thing from going in the bin!

Here are some suggestions to help you come up with a one-of-a-kind invention:

Maybe you could...

Join two things together to make something brand new

or

Use lots of the same object to make something much bigger and better than it ever was

or

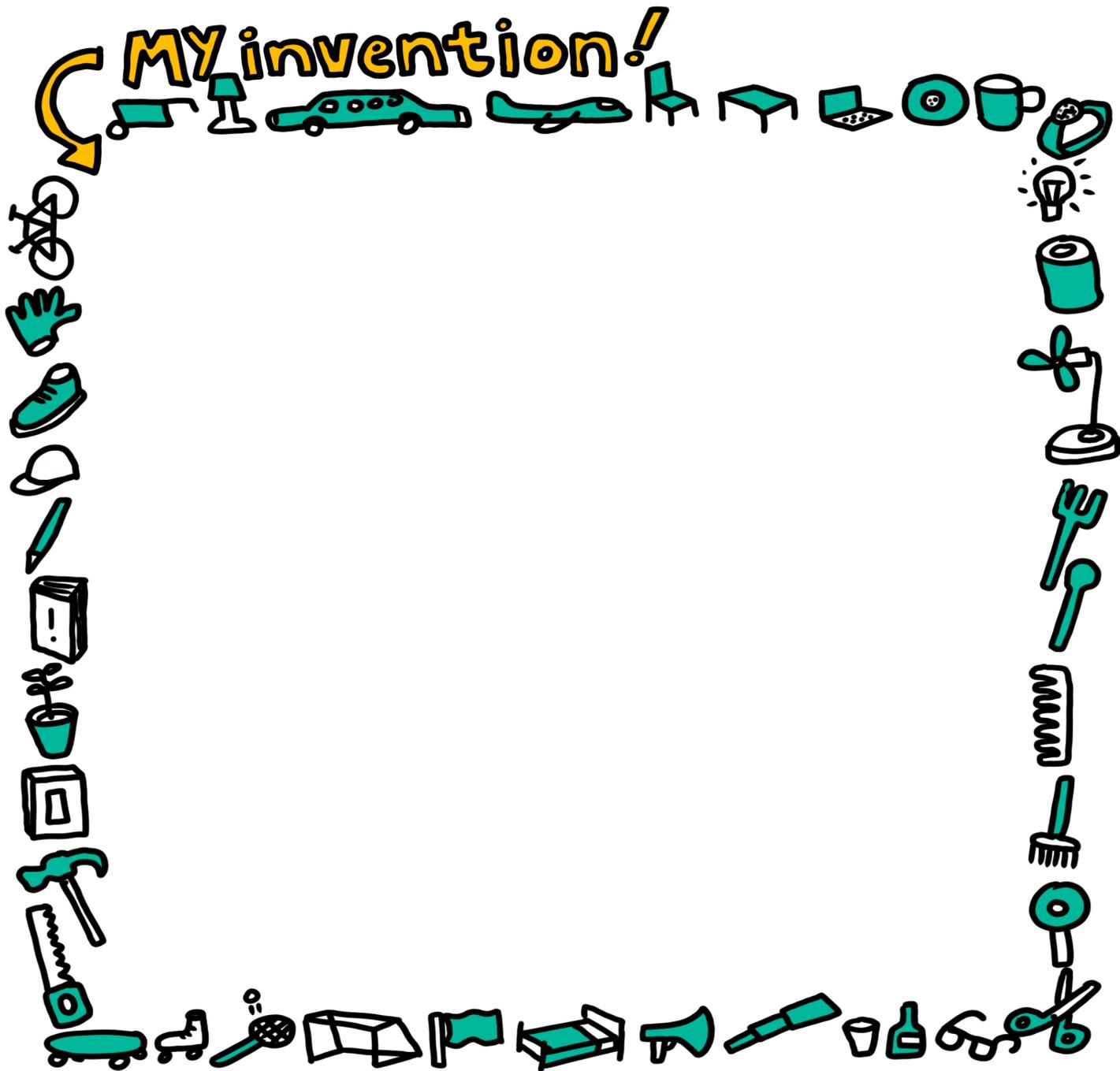
Add new parts to a tired object to give it a whole new function



Anything is possible if we use a little bit of imagination!

Draw your favourite 'reinvention' on this page!

Use black pen, colours and add labels.



Date Age

First name

School

Town/City

My invention is called

What does it do? How does it work?
Tell us all about it!

.....
.....
.....
.....
.....

About The BIG Reinvention Challenge:

The Big Reinvention Challenge is a national challenge for children aged 7-12 years, brought to you by the National Festival of Making and Little Inventors.

Children's invention ideas submitted to the challenge will be uploaded to an online gallery at festivalofmaking.littleinventors.org and children will receive personal feedback from the Little Inventors team.

Three of the most unique and inspiring ideas will be brought to life by professional makers and inventors! These will be exhibited at the National Festival of Making 2022, alongside a collection of designs submitted by young people as part of The Big Reinvention Challenge.

The National Festival of Making 2022 will take place on the 11th & 12th of June, 2022 in Blackburn, Lancashire! For more information visit: www.festivalofmaking.co.uk



About the National Festival of Making

At the National Festival of Making, we celebrate all things MAKING. Throughout the year we work with fantastic makers and artists who create ingenious, beautiful or thought-provoking things for you to enjoy. We also celebrate with a free festival in Blackburn, Lancashire, where over 30,000 people come together from all across the UK to try out making, watch spectacular performances and eat delicious food.

festivalofmaking.co.uk

 @thefestivalofmaking

 @festofmaking

 @festofmaking

About Little Inventors

Little Inventors is a creative education organisation that inspires imagination by taking children's amazing ideas seriously. Their mission is to give children across the world the opportunity to develop and showcase their creativity and problem-solving skills, build their confidence, curiosity and resilience to become caring citizens of our planet, all invaluable attributes that will support them as adults in their everyday life and chosen career paths.

littleinventors.org

 @littleinventors

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Finished with this booklet and going to throw it in the bin?

First think about how you could reinvent it! Could you make a paper aeroplane or some origami creatures?



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ENGLAND**



BLACKBURN.GOV.UK
Blackburn with Darwen Borough Council



Lancashire
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