



# Reception



Term 6 Week 4: 22nd June – 28<sup>th</sup> June

## This week's topic: Inventors & Inventions

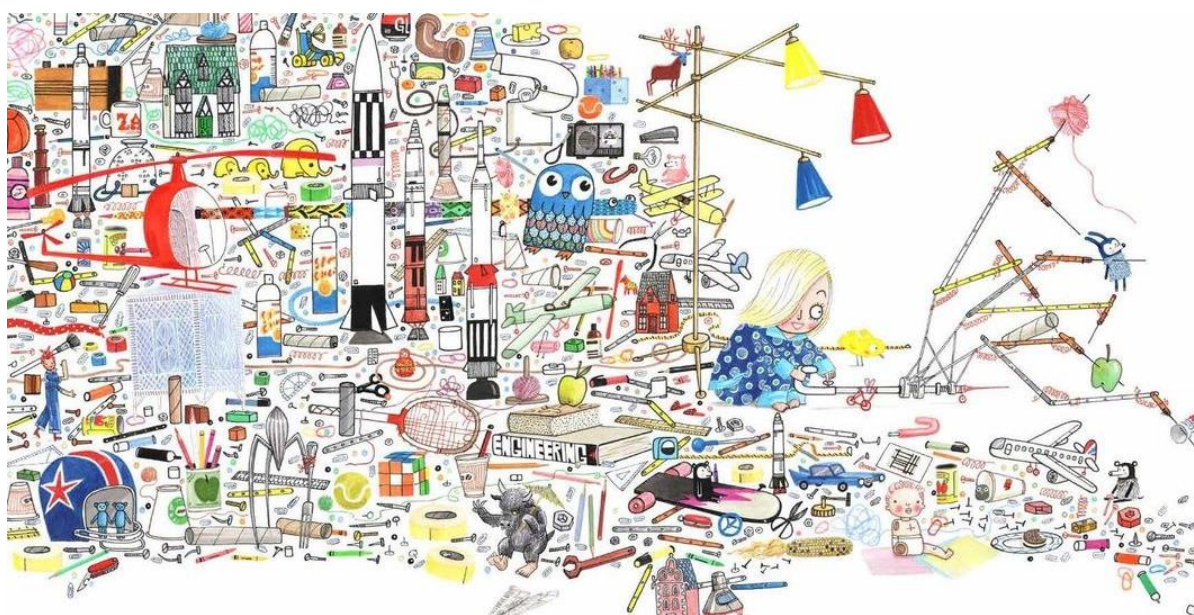
### Dear Parents & Carers

We are really looking forward to seeing you all at school as you return over the next couple of weeks. This week Ali classes A and B will be back at school in their bubbles and Obama class will continue with home schooling.

We hope that you had a jolly time learning about Pirates and made some amazing pirate related models and pictures. We also hope you utilised the resources about Rosa Parks and that the children learnt something new about black history. This week our **black lives matter** focus will be on the **Windrush Generation**. We hope you enjoy learning about the first people that arrived from the Caribbean to live and work in the UK. For our general theme we are encouraging you to have a fun and creative week learning about **Inventors and Inventions**. We have prepared various activities around this exciting theme, and look forward to seeing some of your brilliant ideas and creations. Please do as little or as much as you can, home schooling continues to challenge us all and we are extremely grateful for all that you are doing to support your child at this time. Good luck with this week's topic and happy inventing!





In your pack each week we will try to include:

- Open ended project ideas and research topics
- Activities to explore independently or together
- Daily Maths lessons
- Games to play
- Ideas for science experiments
- Art and craft ideas
- Links to other learning resources
- A use for toilet roll tubes...



To Invent, you need a good imagination and a pile of stuff!

- Thomas Edison (Inventor of the Light bulb amongst other things)

Day	Tasks	Completed?
#blacklivesmatter	<p><b>THE WINDRUSH GENERATION</b></p> <p><b>The Windrush generation</b> refers to people who arrived in the United Kingdom between 1948 and 1971 from Caribbean countries. It was in response to post-war labour shortages in the UK. The name <b>Windrush</b> is taken from the ship MV Empire Windrush, which docked in Essex, on 22 June 1948, bringing workers from Jamaica, Trinidad and Tobago and other Caribbean islands.</p> <div></div> <div></div> <div></div> <p>Look at these two pictures of people arriving from the Caribbean. What do you notice about them? How do you think they might have felt? How would you feel if you had to leave your home to live and work in another country? Can you find the Caribbean Islands</p>	



in an Atlas or on a world map?

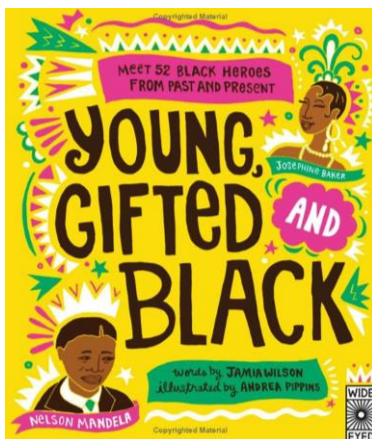
Watch this Newsround special as two children trace their roots and discover why their grandparents came to the United Kingdom as part of the Windrush Generation.

<https://www.bbc.co.uk/newsround/44503109>

### Family Tree Activity

Perhaps you could take this opportunity to research your own family history. Do you know where your family are from? When were your parents, grandparents or even great grandparents born? Were they born in another country?

Here are some suggestions for how you can design and invent your own family tree. For this activity you can use any material you like. You can draw a tree, or make a tree from materials, such as; boxes, toilet roll holders... You can draw your family, or stick photographs onto your design.



### Black History Children's Books

This is a great book about inspirational men and women from the past and present. Here you can see some of them being read aloud.

<https://kidtimestorytime.com/young-gifted-and-black-kids-books-read-aloud-perfect-for-black-history-month/>

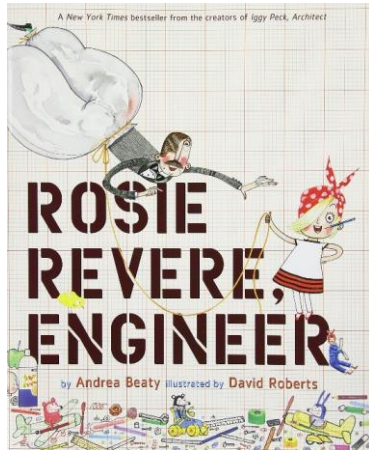
**Monday**

### Phonics

Practise revising saying and recognising the **air** sound in words. This a 3 letter sound called a trigraph.

**air**

Can you write words in a list that contain these sounds? Here are some examples: **chair**, **fair**, **stairs**, **airport**



### Rosie Revere Engineer

<https://www.youtube.com/watch?v=3sNVhNThxcc>

Read Rosie's inspiring story and see what she creates!

What did you like about Rosie's story? If you could invent anything what would it be? Can you describe what it does?

### Design and Draw your Invention

Draw a picture of something you would like to invent. Label the different parts and write a sentence or two to describe what it does. Explain to a grown up what your invention does. You could make a model of it too!

### Kids' Inventions & Ideas

Here are some more inspiring ideas from children:

<https://coolmompicks.com/blog/2017/02/02/creative-kid-inventions-tinkercad/>

### Maths

Complete this week's White Rose Maths Activities Week 8 Day 1 – Princess Mirror-Belle

<https://whiterosemaths.com/homelearning/early-years/>

**Tuesday**

### Phonics

Revise the **air** sound from yesterday. Get your grown up to help you. They could say a word from your list and you could tell them what sounds are in that word. For example: if I say the word '**stairs**' you could tell them the sounds in **stairs** are **s**, **t**, **air** and **s**. Have a go at playing this game with two or three words for each sound. Finish the lesson by writing some of these words down.

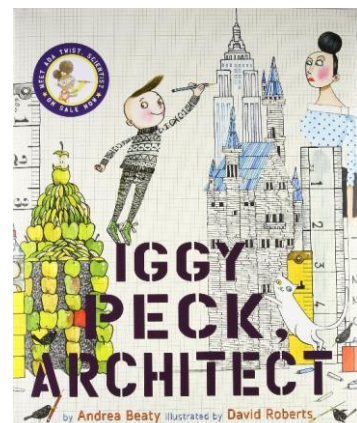
### Iggy Peck Architect

<https://www.youtube.com/watch?v=J6cVOWx0X6I>

### Read from space!

<https://storytimefromspace.com/ada-twist-scientist/>

Can you be just like Iggy Peck the Architect?! Have a go at designing and building your very own masterpiece. What materials can you use? How tall can you build it? Firstly, have a go at drawing your building, to give you an idea of what you want it to look like. Have a think about what materials you may need to build it. Are you using Lego, boxes, blocks or toilet rolls? Here are some designs to give you inspiration.







### **Minecraft!**

Do you play Minecraft? Can you use your engineering skills when playing the game? You could make your own Minecraft Lego model.

Take a photo of your creation too!

### **Maths**

Complete this week's White Rose Maths Activities Week 8 Day 2 – Princess Mirror-Belle

<https://whiterosemaths.com/homelearning/early-years/>

**Wednesday**

**Remember that it is Wellbeing Wednesday – check the school’s website for this week’s updates! Look under News & Dates / Coronavirus Updates and you will find loads of resources and activities.**

**Phonics**

Watch Mr Thorne on YouTube. He can help with revising the sounds and coming up with some new examples of words. You could write down a few new words and add them to your list.

**air**

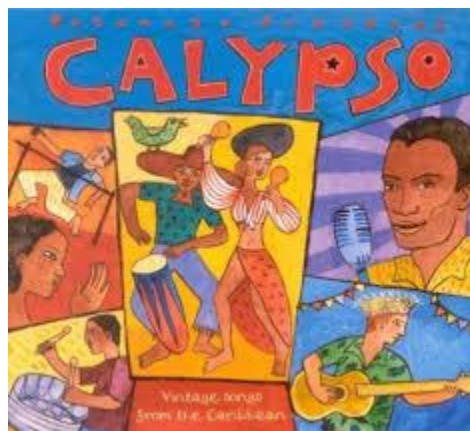
<https://www.youtube.com/watch?v=T3rWZYN5jno>

You could go on a hunt around your house for objects that contain the trigraph **air**.

**Listen to some Calypso Music**

Calypso is a style of Afro-Caribbean music that originated in Trinidad and Tobago during the early to mid-19th century and spread to the rest of the Caribbean Antilles and Venezuela by the mid-20th century. Its rhythms can be traced back to West African Kaiso and the arrival of French planters and their slaves from the French Antilles in the 18th century.

It is characterised by highly rhythmic and harmonic vocals, and is most often sung in a French creole and led by a Calypsonian (A traditional storyteller).



[https://www.youtube.com/watch?v=L7\\_vPyHGN5o](https://www.youtube.com/watch?v=L7_vPyHGN5o)

**Whilst enjoying the Calypso beat why not make yourself a fruity treat!**

**Tropical Breakfast Smoothie:**

3 passion fruits  
1 banana chopped  
1 small mango, stoned and peeled  
300ml orange juice  
Ice Cubes

**Method:**

Scoop the pulp of the passion fruit into a blender, add the banana, mango and orange juice, puree until smooth top with ice cubes and drink.





#### **Smoothie Ice Cubes:**

Blackberries, strawberries, raspberries, passion fruit, mango and any other preferred fruit

#### **Method:**

Puree fruit, pour in ice cube trays and freeze. Serve with banana, a spoon of plain yoghurt and honey to taste.

<https://dolesunshine.com/recipes/Layered-Tropical-Fruit-Smoothie>

#### **Maths**

Complete this week's White Rose Maths Activities Week 8 Day 3 – Princess Mirror-Belle

<https://whiterosemaths.com/homelearning/early-years/>

### **Thursday**

#### **Phonics**

Refer to your list of words containing the **air** trigraph.

Can you write a simple sentence containing some of these words? For example:

I am on a red **chair**.

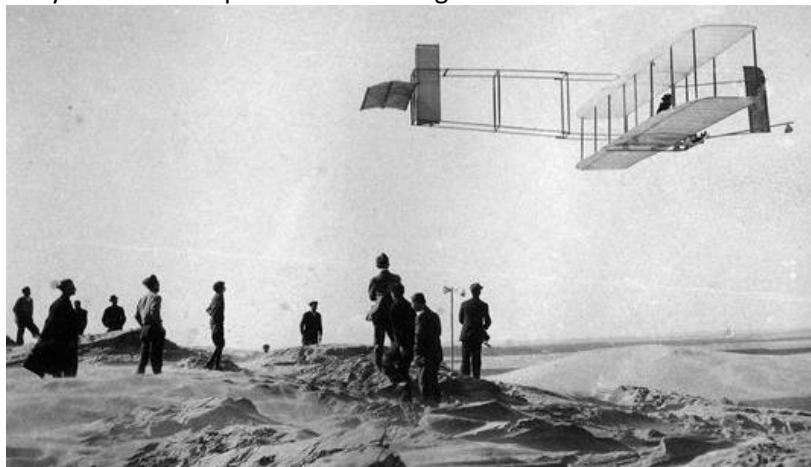
I have brown **hair**.

The **airport** is big.

#### **The Wright Brothers**

Orville and Wilbur Wright were two American aviation pioneers generally credited with inventing, building, and flying the world's first successful motor-operated airplane in 1903.

Can you build your own aeroplane like the Wright brothers?



#### **Toilet paper roll airplane crafts**

<https://sunshinewhispers.com/toilet-paper-roll-airplane-crafts-for-kids/>





Toilet  
Paper Roll  
Airplane Crafts  
for Kids

Or you could make a **paper towel parachute**.



<https://www.kiwico.com/diy/Science-Projects-for-Kids/3/project/Paper-Parachutes/287>

How long did it fly for? Can you time it? How far did it travel can you measure the distance? Perhaps set up a competition with your family and record your times and distances in a table.

### Maths

Complete this week's White Rose Maths Activities Week 8 Day 4 – Princess Mirror-Belle

<https://whiterosemaths.com/homelearning/early-years/>

### Friday

### Phonics

Practise revising a few key words, for example:

the	I	is	like	my
-----	---	----	------	----

Can you read these words?

Practise writing them down.

Your grown up could read them out 1 at a time and you could circle them on your paper to show you can recognise/find each one!

Finish your phonics lesson by writing a sentence containing one or two of these key words, for example:

**My** friend has green eyes.

**The** book **I** am looking at **is** good.

**I** like fish and chips.

### Extra Phonics fun:

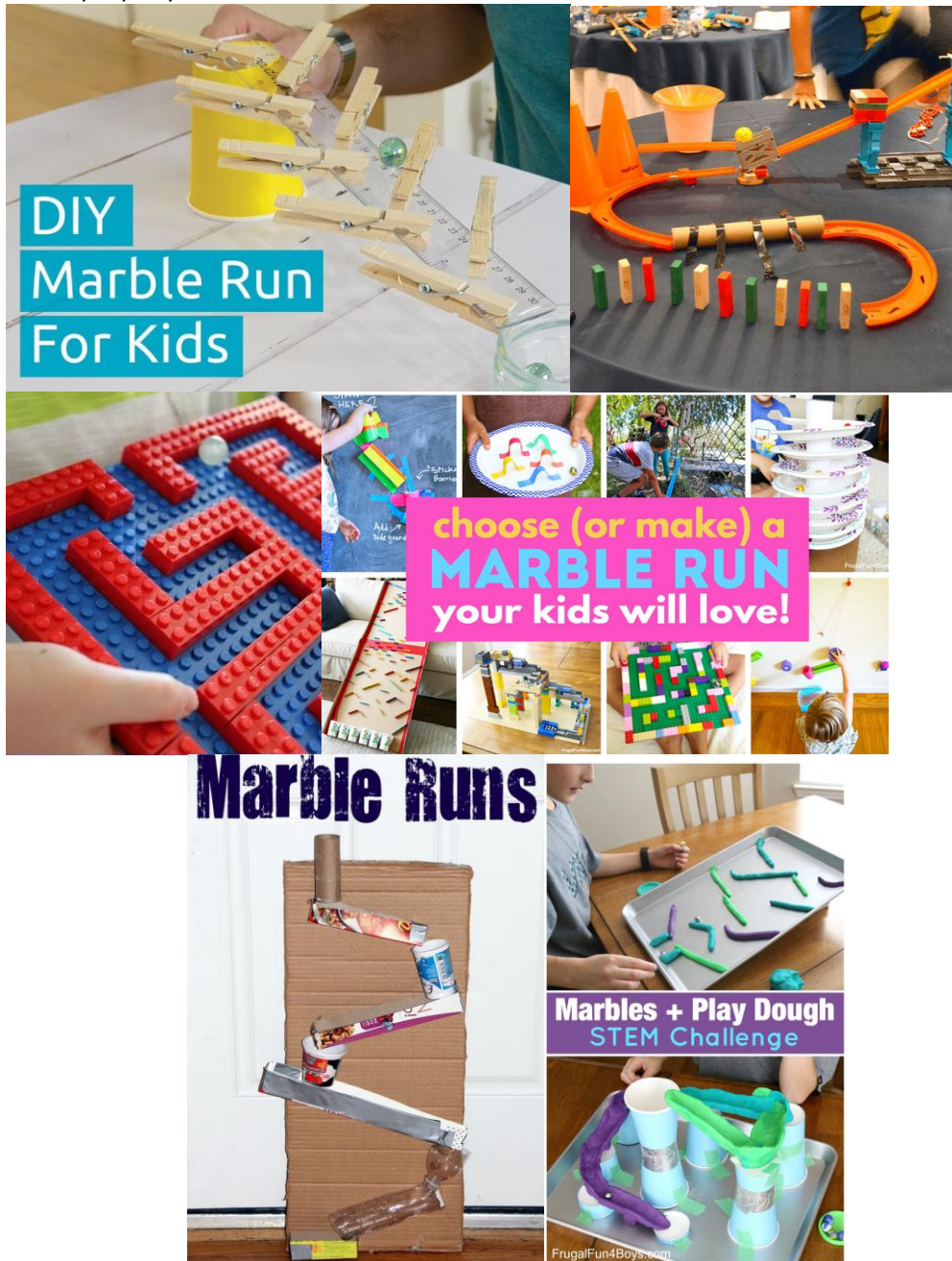
Play Buried Treasure on Phonics play and choose phase 3 sounds for the game or type in your own words to test yourself!



<https://www.phonicsplay.co.uk/resources>

### Marble Run!



Can you invent your own Marble Run? Use what ever you find around the home or make tubes, tunnels or obstacles using playdough, pegs or cardboard tubes. Perhaps draw and label a picture of your design first. You may need to test it out a few times to check it works properly.



### Maths

Complete this week's White Rose Maths Activities Week 8 Day 5 – Princess Mirror-Belle

<https://whiterosemaths.com/homelearning/early-years/>

<p><b>Music</b></p>	<p><b>'We are one'</b> <a href="https://www.youtube.com/watch?v=BPYAyB9MPTA">https://www.youtube.com/watch?v=BPYAyB9MPTA</a> A song that you can sing and whilst thinking about all your friends. Join in with the clapping in this fun song. Can you play it with your family? Maybe you could play it with your toys.</p> <p>'Who took the cookie from the cookie jar?' - <a href="https://www.youtube.com/watch?v=OzKY5YHnOTg">https://www.youtube.com/watch?v=OzKY5YHnOTg</a> The wheel was a fantastic invention. If we didn't have wheels we would not have bikes! 'Bicycle song' - <a href="https://www.youtube.com/watch?v=dXoxuEkoZTs">https://www.youtube.com/watch?v=dXoxuEkoZTs</a></p> <p>Trains were also an important invention. When the train was invented it meant that people could travel longer distances. 'Thomas and friends theme song' - <a href="https://www.youtube.com/watch?v=yQLoGiVhE30">https://www.youtube.com/watch?v=yQLoGiVhE30</a> Sing and dance along to the theme song of 'Thomas the Tank Engine'.</p> <p><b><u>Here are some other songs about trains</u></b> 'The Magic Train Ride' - <a href="https://www.youtube.com/watch?v=8eSxrPzoZY0">https://www.youtube.com/watch?v=8eSxrPzoZY0</a> 'Down at the station' - <a href="https://www.youtube.com/watch?v=QP-270x7U-A">https://www.youtube.com/watch?v=QP-270x7U-A</a></p> <p><b><u>Thanks to the invention of the aeroplane we can travel all over the world.</u></b> 'The airplane song' - <a href="https://www.youtube.com/watch?v=ogrrj0HEZgE">https://www.youtube.com/watch?v=ogrrj0HEZgE</a></p> <p><b><u>'Yolanda's band jam'</u></b> - <a href="https://www.bbc.co.uk/teach/bring-the-noise/music-eyfs-yolanda-brown-band-jam-zbgxwty/">https://www.bbc.co.uk/teach/bring-the-noise/music-eyfs-yolanda-brown-band-jam-zbgxwty/</a></p> <p><b><u>Here are some clips to help us with our music learning. Listen to the one called 'Meet the Band' to hear about the instruments in a band.</u></b> Which is your favourite instrument? Which instrument doesn't need electricity to help us to hear it? Can you make a drum kit using things that you have in the house? Can you draw any of the instruments that are in the band?</p> <p><b><u>Listen to the 'Funky Elephant Song' that Yolanda's band performs.</u></b> The band show how a rhythm is made from the different patterns of sound in a song. Listen to the Elephant Walk and join in by stomping along - like an elephant.</p>	
<p><b>Art &amp; DT</b></p>	<p><b><u>Become an Inspiring Inventor!</u></b> <b><u>William Kamkwamba</u></b> William Kamkwamba is a Malawian inventor and author. He is famous for designing and building a wind turbine out of old bicycle parts and scrap metal to generate electricity. What is remarkable is William was only 14 years of age! Can you design and draw, or build your own invention or tool that helps people who live in places where they may not have electricity or water? What could you make it out of? Could you use solar power? <a href="https://www.ted.com/talks/william_kamkwamba_how_i_harnessed_the_wind?language=en">https://www.ted.com/talks/william_kamkwamba_how_i_harnessed_the_wind?language=en</a></p> <div data-bbox="284 1738 775 2089">  </div> <div data-bbox="804 1771 1302 2058">  </div>	

### **Lonnie G Johnson**

Lonnie G Johnson is an African American engineer who worked for NASA's Jet Propulsion Laboratory. During his time at NASA, Johnson worked on the Galileo mission to Jupiter, the Mars Observer project, and the Cassini mission to Saturn. He earned multiple awards from NASA for his spacecraft control systems.

But Johnson is possibly best known for inventing the Super Soaker water gun!

How about inventing a new toy? Draw a design for a toy that you would like to play with. It might be something that hasn't even been invented yet! It might be something that floats, spins, rolls or flies!

Follow this link for some ideas for what you could make!

<https://www.youtube.com/watch?v=WDnGj1s3Qjo>



### **Tell a visual story!**

Use toys, objects and your imagination to tell a story using snapshots or video!

### **Print your own masterpiece!**

Printing tools have been one of the many artistic inventions, dating back almost 2000 years! You can create your own printing stamps by cutting shapes out of potatoes or making indents with salt dough and baking them to use to make repeating patterns!

Follow the link to see how it is done: <https://www.bbc.co.uk/cbeebies/makes/mrbloom-potatoprint>



We now have a Dalmain Twitter Art page [@dalmain\\_art](#) for you to share your work with the rest of the school community! We would love to see what you have created to celebrate the gifted artists we have in the school. We will also be sharing ideas and inspirational arts and crafts so don't forget to take a look.

### **PE & Dance**



### **25 Activities to do at home**

Can you do a headstand? Can you hop like a bunny or walk like a crab? Try one these fun activities at home. How many can you do? You may need a grown up to help you.

<https://mommypoppins.com/newyorkcitykids/25-exercise-games-indoor-activities-for-kids>

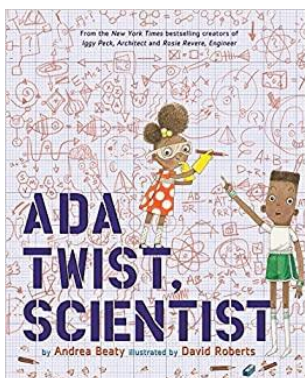
or

<https://www.nhs.uk/change4life/activities/sports-and-activities>



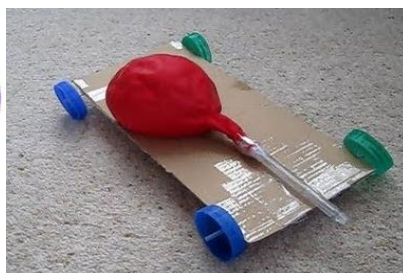
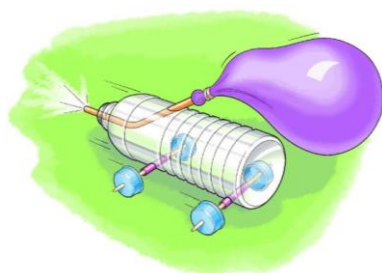
## Ada Twist Scientist

<https://www.youtube.com/watch?v=5tQcSKH37AY>



Rosie, Ada and Iggy love to design and make objects. Why don't you 'have a go' at making a balloon powered car? There are a lot of different ways/ materials you can use to make your car. For this activity you can use;

- A water bottle, toilet tube, a piece of cardboard
- Bottle tops x4
- Straws
- Tape
- Balloon



See how to make a balloon car on this link: [https://youtu.be/jr3BOE\\_EpOk](https://youtu.be/jr3BOE_EpOk)

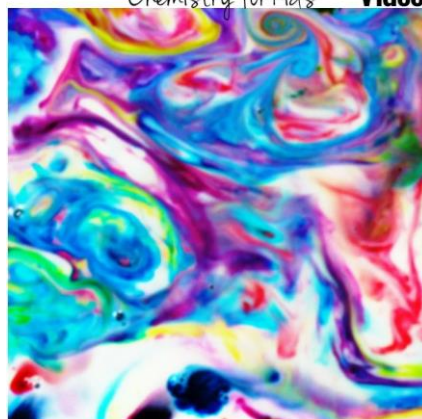
Now it's time to follow in the footsteps of Ada Twist, scientist, and make magical dancing milk!

For this activity – an engaging introduction to chemical reactions – you'll need a shallow dish, full-fat milk, food colouring, cotton buds and washing up liquid.

Pour some milk into the dish, add some drops food colouring, then dab with a cotton bud dipped in washing up liquid. Use a few different colours at the same time for maximum impact, and try dabbing in different places.



**MAGIC MILK SCIENCE**  
Chemistry for kids Video



of



### **Make your own Roto-Copter**

<https://www.youtube.com/watch?v=5Vk-gXwHDSM>



[https://www.exploratorium.edu/science\\_explorer/roto-copter.html](https://www.exploratorium.edu/science_explorer/roto-copter.html)