



# Year 1



**Term 6 Week 4: 22<sup>nd</sup> – 26<sup>th</sup> June**

## **This week's topic: Inventors and Inventions**

**Dear Parents & Carers,**

We hope that you enjoyed learning about Pirates last week. We have loved receiving your e-mails with photographs and examples of your work – thank you! You can continue to send pictures of your work to us through the school email address: [admin@dalmain.lewisham.sch.uk](mailto:admin@dalmain.lewisham.sch.uk) and make sure you include **FAO Miss Grant or Miss Rowse** in the subject.




This week, our main theme is 'Inventors and Inventions'. This will build on the knowledge that the children gained during our Victorians topic and will continue to encourage their creative and imaginative thinking skills. However, June 22<sup>nd</sup> is Windrush Day. We have planned some activities for you to carry out this week to learn more about the Windrush Generation as well. Nearly half a million people from the Caribbean came to Britain after World War Two. They took up jobs in hospitals, transport, the postal service and the army, to name a few. We hope that you will enjoy the opportunity to explore the experiences of people who migrated from the Caribbean and how they have shaped Britain.

You will find daily activities with resources available, either as links on the plan, as well as on the school website. As in previous weeks, we have included links to Phonics website [phonicsplay.co.uk](http://phonicsplay.co.uk) – for some activities you may have to sign in, in which case use the free membership username '**march20**' and password '**home**'. Continue to log on to SumDog for Maths and Grammar activities each week.

Your pack includes:

- Open ended project ideas and research topics
- Activities to explore independently or together
- Daily maths lessons
- Daily phonics lessons (10-15 minutes long)
- Games to play
- Ideas for science experiments
- Art and craft ideas
- Links to other learning resources



Day	Tasks	Completed ?
Monday	<p data-bbox="268 280 443 309"><b>Windrush Day</b></p> <div data-bbox="264 333 767 654"><p data-bbox="389 631 643 645">M.V. "EMPIRE WINDRUSH" (14,414 TONS GROSS).</p></div> <p data-bbox="791 315 1358 739">In June 1948 the <i>Empire Windrush</i> arrived at Tilbury Docks, Essex carrying hundreds of people from the Caribbean. Many aboard had been to Britain before. Some had fought in World War Two. Most were filled with excitement and hope about coming to Britain. Citizens had British citizenship and British passports because many islands within the Caribbean were part of the British Empire. The arrival of <i>Windrush</i> is very well known, but this was not the first nor the last ship to carry migrants from the Caribbean. Many other people came to Britain to make new lives and help rebuild the country after the war.</p> <div data-bbox="264 775 1190 1386"></div> <div data-bbox="264 1420 1123 1995"></div> <p data-bbox="268 2000 1374 2132">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 in an Atlas or on a world map?</p>	

Watch this short film

<https://youtu.be/ViGvJRvJCeo> featuring members of the Caribbean Social Forum sharing their stories of journeying from the Caribbean to the UK and settling in a new place to call home.



After watching the film, discuss what life must have been like for these men and women. Here are some suggestions for questions to explore:

- What must it have been like going to school or work?
- What do you think their impressions of the UK must have been when they first arrived?
- What do you think it must have felt like leaving the Caribbean to come to the UK?

### Writing activity

Imagine you are a news reporter who has been sent to meet people to find out more about their experience of moving to Britain from the Caribbean. Choose one of the speakers from the video to interview. If you could ask this person three questions, what would you ask them? What do you think their answers would be? Write down each question in your exercise book and then write down the answer that you imagine they would have given. Remember to use a question mark at the end of your question.

### Maths

Week 8 Lesson 1 – Arrays. Watch the video on <https://vimeo.com/428004469>

Then please either print and complete the worksheet or write in your exercise book.

<https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-1-Make-arrays-2020.pdf>

### Phonics

Some graphemes can be pronounced in more than one way. This week's phonics activities will help you revise common alternative pronunciations for graphemes and also practise reading words and deciding which pronunciation of a grapheme makes most sense.

Have a go at playing Cheeky Chimps.

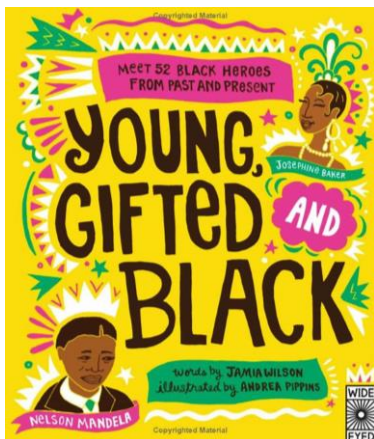
<https://new.phonicsplay.co.uk/resources/phase/5/cheeky-chimps> and select the grapheme

**a**

Can you help the chimps decide how to pronounce the tricky grapheme for each word?

Suggested words for writing or reading: **bacon, bath, lady, sandwich, wasp**

Suggested sentence for writing or reading: **Would an angel want to visit a bank in the afternoon?**



### Story time

This is a great book about inspirational black 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/>

**Tuesday**

Read **Rosie Revere: a great engineer** by Andrea Beaty. If you haven't got a copy of the book, don't worry – you can listen to it being read on YouTube.

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

### Writing activity

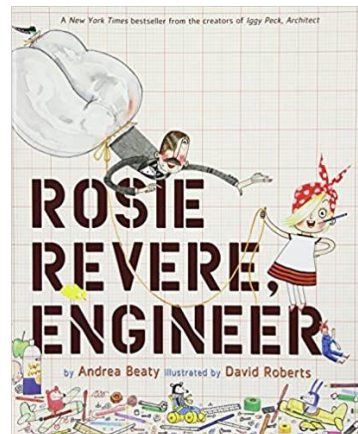
Rosie learns she can solve any problem she sets her mind to. What is a problem you would like to solve? What kinds of tools and machines would help you solve it? Draw your idea and write a few sentences describing how it would work.



### Let's become engineers!

Can you help Rosie Revere engineer a set of copter blades so she won't crash land?

[https://www.andreabeaty.com/uploads/1/5/2/4/15240358/rosie\\_revere\\_engineer\\_copter.pdf](https://www.andreabeaty.com/uploads/1/5/2/4/15240358/rosie_revere_engineer_copter.pdf)



### Maths

Week 8 Lesson 2 – Make doubles

Watch the video on <https://vimeo.com/428004541>

and then please either print and complete the worksheet or write in your exercise book.

<https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-2-Make-doubles-2020.pdf>

### Phonics

Have a go at playing Acorn Adventures.

<https://new.phonicsplay.co.uk/resources/phase/5/cheeky-chimps> and select the grapheme **y**

Can you drag the acorn to the tree that shows the same pronunciation?

Suggested words for writing or reading: **dry, smelly, yellow, story, spy**

Suggested sentence for writing or reading: **Is the gym a happy place to be?**



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.**

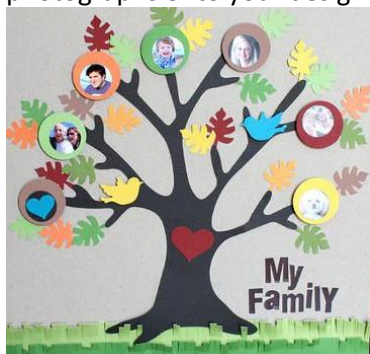
Watch this Newsround special as two children trace their roots and discover why their grandparents came to the United Kingdom as part of the Windrush Generation.

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

### **Family Tree Activity - 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?

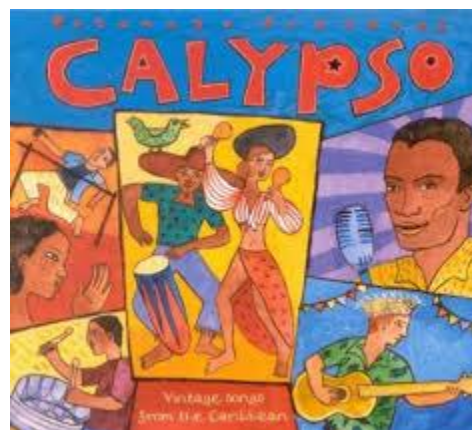
Here are some suggestions for how you can design and create your own family tree. For this activity you can use any materials you like. You can draw a tree, or make a tree from materials, such as; boxes, toilet roll holders... You can draw your family, or stick photographs onto your design.



### **Poetry for Performance**

Music is a crucial element of Caribbean culture. Caribbean musical styles such as calypso, reggae, ska, mento and RnB have had a huge impact on the British music scene, creating new forms from the traditional ones and bringing added life, colour and richness to music for playing and singing, listening and dancing to.

Performance poetry is also a key ingredient the recipe of Caribbean language culture, with poets often performing their work live front of audiences. The sounds and the rhythm of language are just as important as meaning, and performance actively involves the listener, making it very much a shared experience.



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Watch this video <https://youtu.be/QDH4lBeZF-M> to find out more about the lives of some of the people arriving to the UK on the *Empire Windrush*. Listen to some more calypso songs from the Caribbean on [https://www.youtube.com/watch?v=L7\\_vPyHGN5o](https://www.youtube.com/watch?v=L7_vPyHGN5o) Have a go at writing a Windrush song or poem. We would love to read your poem/song or to watch you performing it!

**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.



**Maths**

Week 8 Lesson 3 – Make equal groups (sharing)

Watch the video on <https://vimeo.com/428004616> and then please either print and complete the worksheet or write in your exercise book.

<https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-3-Make-equal-groups-sharing-2020.pdf>

**Phonics**

Have a go at playing Cheeky Chimps.

<https://new.phonicsplay.co.uk/resources/phase/5/cheeky-chimps> and select the grapheme **ch**

Can you help the chimps decide how to pronounce the tricky grapheme for each word?

Suggested words for writing or reading: **check, machine, chorus, chemicals**

Suggested sentence for writing or reading: **Will the chef cook chicken for school dinner?**

Thursday

### We can do it!

Rosie the Riveter was a famous fictional character in American history. She was the poster girl representing the millions of women from Allied nations who went to work during World



War II to produce equipment and food for the troops. Some worked in factories, others worked on farms, all jobs traditionally held by men.

Discuss with your child why women started taking these jobs during the war. Do you think people's attitudes about what women could accomplish changed as a result of their contributions to the war effort? In what ways? What do you think happened when they returned from war?

### Trailblazers!

Great-Great Aunt Rose kept notebooks, too. She had notes about important women in the history of flight:

- Elizabeth Thible
- Harriet Quimby
- E. Lillian Todd
- Bessie Coleman
- Amelia Earhart
- Lynn Rippelmeyer

You can find out about more women inventors on this website:

<https://www.iamstronggirl.com/blog?p=12223>

### Writing activity

What did each woman accomplish? What do you think these women were like as children? Rosie

struggled with self-confidence. What other struggles might these women have had? Choose one of the women you feel especially inspired by. Draw a picture of them and describe why they are so special and inspiring.



### Maths

Week 8 Lesson 4 – Make equal groups (grouping)

Watch the video on <https://vimeo.com/428004753>

and then please either print and complete the worksheet or write in your exercise book.

<https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-4-Make-equal-groups-grouping-2020.pdf>

### Phonics

Have a go at playing Acorn Adventures.

<https://new.phonicsplay.co.uk/resources/phase/5/cheeky-chimps> and select the grapheme **ou**

Can you drag the acorn to the tree that shows the same pronunciation?

Suggested words for writing or reading: **your, soup, shout, group, found**

Then, play Sentence Substitution.

<https://new.phonicsplay.co.uk/resources/phase/5/sentence-substitution-ph5b>

Can you use your blending skills to read and create sentences?



Can you write some sentences using the words you have read?

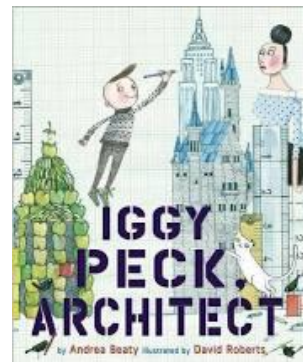
### Story time

The book Iggy Peck, Architect (also by Andrea Beaty and David Roberts) features an inventive young boy from Rosie's classroom. How are these stories and characters similar? How are they different?

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

### Read from space!

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



Friday

### You can do it!

There are plenty of problems, serious or funny, that can use your amazing imaginations to solve! Watch this video to learn about some young inventors.

<https://www.youtube.com/watch?v=XiuU1mlFeEc>



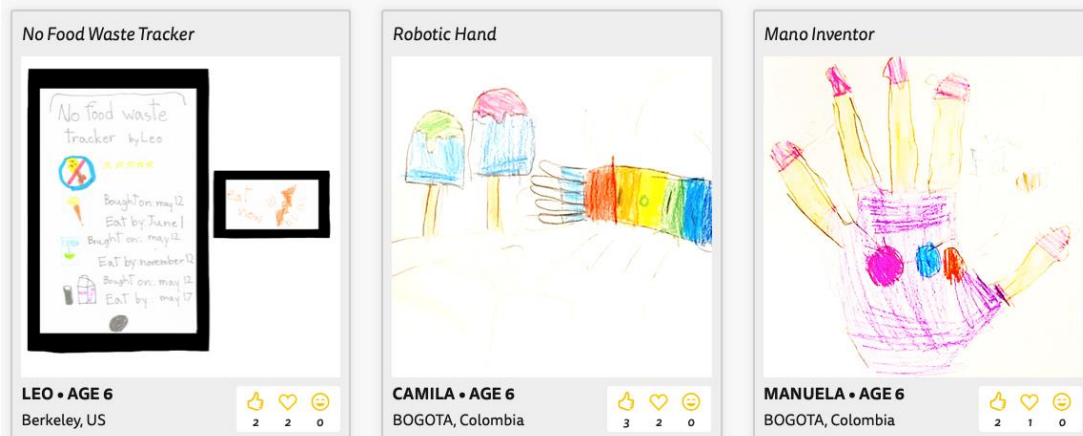
Afterwards, explore this website devoted to young inventors and their inventions:

<https://www.littleinventors.org/>

What would you like to invent? Perhaps it could be something to keep our oceans healthy and with less plastic? Or it could be a way to travel quickly and without causing pollution?

**Have a go at being an inventor.** Think of an idea, then draw it and finally, you could have a go at making a prototype of it.

You can upload it to the little inventors website – remember to send us a copy too!



### Maths Investigation

Have a go at solving this problem which will help you practise doubling as well as choosing your own representation and recording methods.

<https://nrich.maths.org/145/note>

### Phonics

Have a go at reading these key words with a grown up: **because, different, once, many, friends**

Then, practise writing the Key Words and using them in a sentence. Say each sentence aloud first, then write it down in your exercise book.



## Additional Activities

### Science

#### **Leonardo Da Vinci:**

Leonardo Da Vinci was a famous Italian inventor, artist, astronomer and scientist. Many of his ideas have become reality many 100's of years after his death. Learn more about his inspiring ideas below:

<https://www.youtube.com/watch?v=Y0htkvCVpE>

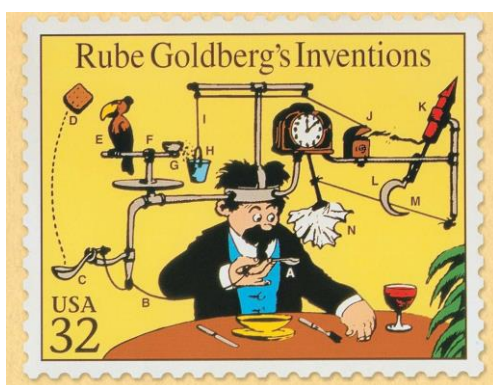
#### **Build Your own Parachute!**

Leonardo Da Vinci designed the first parachute 500 years ago! Follow the link below to build your own!



<https://deceptivelyeducational.blogspot.com/2015/07/diy-parachutes-and-science-behind-how.html>

Reuben Goldberg was an American cartoonist, engineer, and inventor. To entertain himself, he liked to create complicated machines to do simple tasks. Now we call these kinds of devices *Rube Goldberg* machines.



Watch this video to find out more about an amazing 'invention'- a Rube Goldberg machine!

<https://www.youtube.com/watch?v=qybUFnY7Y8w>

Afterwards, check out this website to find out more about Rube Goldberg, with a few ideas for making your own Rube Goldberg machine.

<https://tinkerlab.com/engineering-kids-rube-goldberg-machine/>

Gather recycled supplies such as string, cardboard, plastic containers, springs, popsicle sticks, tubes, etc. and make your own Rube Goldberg machine. Ideas for simple tasks: putting coins in a bank; turning a page; watering a plant; closing/opening a door. Use a notebook to plan and document your results!

## Art / DT

### Design and Draw your own Invention!

Draw your own invention! What would you invent to help people or the environment? Can you describe how it works and label different parts?

#### William Kamkwamba

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?

[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)



#### 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=WDnCj1s3Qj>

#### Say Cheee!

Photography revolutionised the world of art! Portraits and landscapes could be captured in a moment. As an art form it has been used to capture unusual shapes and shadows in our environment and tell visual stories. Camera phones can be used to explore this wonderful artistic invention. Can you use a camera and take a photograph of something that inspires your arty skills? Here are some ideas!

<https://clickitupanotch.com/photography-for-kids/>

#### Micro photographs!

Take a picture of a toy, plant or textured surface! What patterns, shapes and shadows can you find?





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

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

### **Become an animator!**

<https://www.tate.org.uk/kids/make/art-technology/become-animator>

### **Stained Glass Candle Holder!**

Stained glass was invented in 675 AD! Recycle old plastic bottles to make beautiful candle holders or sculptures using felt tips! <https://www.instructables.com/id/Plastic-Bottle-quotStained-Glassquot-Candleholder/>



### **Draw your own Sound Creature**

Artists explore the use of technology more and more as new inventions bring new creative ways of expressing art. Follow this link to explore strange and exciting sounds and see what unusual creatures you can design by taking part in this interactive activity!

<https://www.tate.org.uk/kids/make/art-technology/draw-sound-creature>



We now have a Dalmain Twitter Art page [@dalmain\\_art](https://twitter.com/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.

## **Music**

**'Come together'** <https://www.youtube.com/watch?v=BPYAyB9MPTA>

Join in with this song. You can think about all your friends at school that you might not have been able to see for a while.

**'Siyahamba'** <https://www.youtube.com/watch?v=N1KZbMprW8U>

Here is a clip of the most joyful singing and dancing. I hope that you have been doing some singing whilst you have not been in school. Mrs Jackson can't wait to hear you singing again in your music lessons.

**'Double double': Hand clapping game** - <https://www.youtube.com/watch?v=gWXNbleftRk>

Try learning this hand-clapping game for a bit of fun.

**'What is?'** - <https://www.bbc.co.uk/teach/school-radio/primary-school-songs-what-is/zrrp6v4>

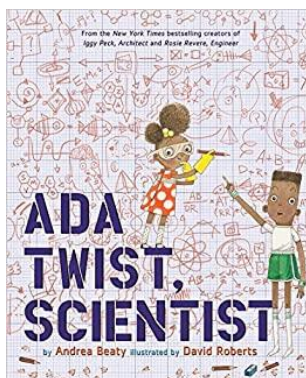
This is a song about the computer, code, software and the internet.

	<p><b><u>'A short ride in a fast machine' by John Adams</u></b>  <a href="https://www.bbc.co.uk/programmes/articles/3xwJ8Zpzz44vNjIZfqtXbbX/short-ride-in-a-fast-machine-by-john-adams">https://www.bbc.co.uk/programmes/articles/3xwJ8Zpzz44vNjIZfqtXbbX/short-ride-in-a-fast-machine-by-john-adams</a>          Watch the video that introduces this piece of music.          What machine or invention does it make you think of?          Can you hear the repeating patterns?          Listen out for the steady beat on the woodblock. Can you find something wooden to play on when you are listening to the music?          You could draw a picture of your own invention or machine to go with the piece of music,</p> <p><b><u>'Missing Instruments' –</u></b> <a href="https://www.bbc.co.uk/teach/bring-the-noise/encouraging-listening/z7jgf4j">https://www.bbc.co.uk/teach/bring-the-noise/encouraging-listening/z7jgf4j</a>          Watch the video and then join in with this listening game. If you don't have anything that you can use as an instrument you could use body percussion such as clapping or tapping your knees.</p> <p><u>In music, dynamics</u> refers to the volume or loudness of the sound or note  <b><u>'forte' and 'piano'</u></b> - <a href="https://www.youtube.com/watch?v=IUYEvCly8Fo">https://www.youtube.com/watch?v=IUYEvCly8Fo</a>          Before lockdown we worked on playing loudly and softly and even in between!          Can you remember what <b>forte</b> means? (It means loud or strong)          Can you remember what <b>piano</b> means? (soft or quiet)          Watch the video clip to remind yourself all about this.</p>
P.E.	<p><b><u>Dance</u></b></p> <p>Each week, you will be provided with a dance lesson from Trinity Laban. There will be a new video each week with a different theme. All you have to do is click on the link and use the password provided by the school (sent via ParentMail) to access the video. Have fun!          This week's video is <b>My Vegetable Garden</b> <a href="https://vimeo.com/423193158">https://vimeo.com/423193158</a></p>
Extra fun	<p><b><u>Minecraft!</u></b>          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!</p> <p><b><u>Primary and Secondary Colours</u></b>  <b>What are the primary colours?</b>          Primary colours are the ones that can't be created by combining other colours. The primary colours are: blue, yellow and red.           What are the secondary colours?</p> <p><b>Secondary colours are those we create by combining primary colours:</b>          Blue + Yellow = Green          Red + Yellow = Orange          Blue + Red = Purple</p> <p>Have a go at combining primary colours to create secondary colours.</p>



## Ada Twist Scientist

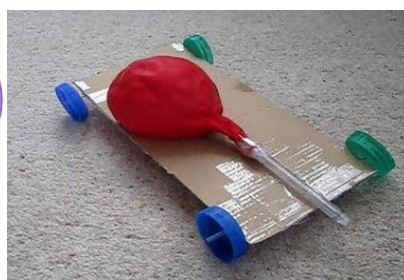
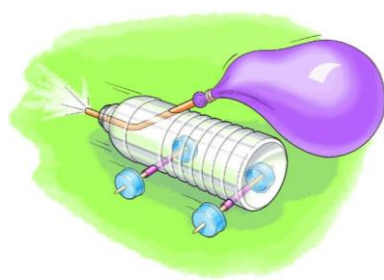
<https://www.youtube.com/watch?v=5tQcSKH37AY>



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 of 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.

