



# Year 2



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

## This week's topic: - Inventors & Inventions



Dear Parents & Carers,

We hope that you enjoyed your last Home Learning Packs themed around Pirates. Well done for all of the fantastic work that you have been doing. You can still continue to send pictures of work to us through the school email address [admin@dalmain.lewisham.sch.uk](mailto:admin@dalmain.lewisham.sch.uk) and mark them **FAO Miss Brown or Ms Udoen**.

For White Rose Maths, we have now included the individual video links to correspond with the worksheets on each day. Please use the links on the plan to access: the daily videos, worksheets and answer sheets.

For this week's learning, we have produced a Year 2 plan for our new topic, Inventors & Inventions. This plan has daily activities with resources available either as links on the plan, as well as on the school website. We have continued to include 3 different challenges per day for writing – a **red**, **green** and **blue** challenge. The activities are differentiated so each activity has an increasing level of difficulty so please choose the activity appropriate for your child. You should aim to complete one activity per day, however if your child is enjoying the learning for that day and would like an extra activity then they can complete more than one challenge.


Continue to log on to Sumdog for Maths, Grammar & Spelling activities each week. As you may have noticed, we have now been awarding coins for your participation on Sumdog so keep it up!

Well done for all your hard work so far!

Your pack includes:

- Open ended project ideas and research topics
- Daily maths lesson
- Daily English lesson
- Activities to explore independently or together
- Games to play
- Ideas for science experiments
- Art and craft ideas
- Links to other learning resources



Day	Tasks	Completed?
Monday	<p>Summer Term Week 6: Lesson 1 - The 10 times-table</p> <p>Please find all lesson resources on the following link. Please either print and complete the worksheet or write in your exercise book.</p> <p><a href="https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-1-The-10-times-table-2019.pdf">https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-1-The-10-times-table-2019.pdf</a></p> <p><a href="https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-1-Answers-The-10-times-table-2019.pdf">https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-1-Answers-The-10-times-table-2019.pdf</a></p> <p><a href="https://vimeo.com/420582220">https://vimeo.com/420582220</a></p> <p><b>Windrush Day</b></p> <p>Windrush Day is celebrated in the UK on June 22. There is usually an event held somewhere centrally in the borough, but as this is not possible Lewisham are looking to celebrate across their digital channels instead. We would love to be able to share some visual activities that our children are taking part in leading up to or on the day.</p>  <p>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> <p>Watch this video to learn more about The Windrush. There is a lot of information on this link so keep scrolling through to keep learning more!</p> <p><a href="https://www.bbc.co.uk/newsround/43793769">https://www.bbc.co.uk/newsround/43793769</a></p> <p><b><i>To share any photos or videos please email directly to Ruth Horsman <a href="mailto:ruth.horsman@lewisham.gov.uk">ruth.horsman@lewisham.gov.uk</a> on the 22 June so we can share these across our channels. On the day if you can use both the hashtags #WindrushDay and #WeAreLewisham we will see them and share.</i></b></p> <p>We will provide our usual differentiated activities but please feel free to use one of the ideas provided by Lewisham to share on their channels.</p> <p><b>Ideas</b></p> <ul style="list-style-type: none"> <li>• Write a Windrush poem</li> <li>• Draw a picture</li> <li>• Design a commemorative stamp to celebrate Windrush Day</li> <li>• Make a model of the Windrush</li> </ul>	

- “I’m celebrating Windrush Day because.....” share your reasons either in a short video or with a photo and holding up a sign.

**Choose a challenge to complete:**

**Red challenge**

Perform the poem ‘Windrush Child’ by John Agard on the following link. There are many ways to perform poetry as you may already know such as using actions, singing, acting or even rapping!

<https://clpe.org.uk/poetryline/poems/windrush-child>

**Green challenge**

Design a poster to persuade people to come to Britain from the Caribbean during the 1940s or 1950s, using a combination of words and images to convince people.

- What jobs might you invite people to come and do? For example, you might invite people to come and work as a nurse or a doctor with the NHS, formed in 1948. Or you might persuade them to come and work as a journalist or a playwright, a poet or an artist, a musician or a dancer, an actor or a lawyer.
- What will you tell people to persuade them to come?

**Blue challenge**

For people who had already settled in Britain, one way of supporting each other and building a sense of community was to offer advice to fellow Caribbeans who had yet to make the journey. ‘Going to Britain?’ was a pamphlet offering advice to new arrivants about how to settle into life in Britain, from what to bring with you and how to prepare for the cold, to how to find work and the importance of tea breaks!

**Read the extract below:**

*It is wise for you to remember that England is a cold country, that it is way up north, and that it has customs and traditions different from those of the West Indies.*

*I said that England is a cold place – so it is, colder than anything you have ever felt. In winter all the water outside freezes, that is, it turns into ice, everybody shivering though protected with warm sweaters, leather gloves, woolen coats, and thick-soled shoes. Are you prepared for this type of cold climate with its icy winds, its sleet and snow? (Going to Britain?, p. 10)*

**Over to you**

If you were giving advice to someone coming to join you to live in Britain, what would you tell them about? Think of at least three key pieces of advice or information, then create your own leaflet.

**Tuesday**

**Summer Term Week 6: Lesson 2 - Make equal groups (sharing)**

Please find all lesson resources on the following link. 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-equal-groups-sharing-2019.pdf>

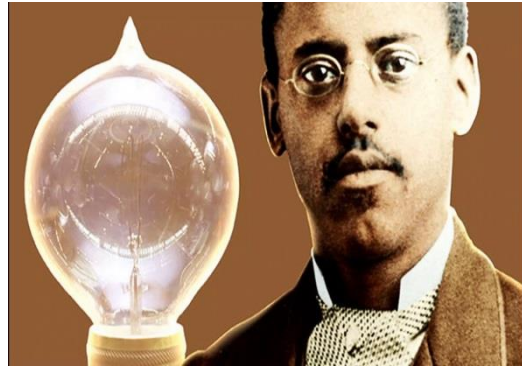
<https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-2-Answers-Make-equal-groups-sharing-2019.pdf>

<https://vimeo.com/420582354>

## A Lightbulb Moment!

Think about the following questions:

- What do you think life was like before the light bulb was invented?
- What did people do to see at night or in the dark? (They used candles, oil lamps, fireplaces, etc.)
- When do you think it was invented?
- What kinds of problems did the invention of the light bulb solve?
- In what ways did it make life easier for people and society?



After Thomas Edison invented the light bulb, Lewis Latimer created the longer lasting incandescent light bulb that we use today. Watch the video to find out more about him:

<https://www.youtube.com/watch?v=8LjAOQTrXAA>

Have a look around your house for different objects. Think about how and why these objects were even invented in the first place.

Choose a challenge to complete:

### Red challenge

Choose up to 3 objects in your house and think about why they were invented. Answer the following questions in full sentences. Use the conjunction **because** to extend your sentences.

- What do you think life was like before this object was invented?
- Why do you think it was invented?
- When do you think it was invented?

### Green challenge

Choose up to 3 objects in your house and think about why they were invented. Answer the following questions in full sentences. Use the conjunctions **because** and **if** to extend your sentences.

- What do you think life was like before this object was invented?
- Why do you think it was invented?
- When do you think it was invented?
- What problems did this invention solve?

### Blue challenge

Choose up to 3 objects in your house and think about why they were invented. Answer the following questions in full sentences. Use the conjunctions **because** and **if** to extend your sentences.

- What do you think life was like before this object was invented?
- Why do you think it was invented?
- When do you think it was invented?
- What problems did this invention solve?
- Is there any way that this invention could be improved? What other ideas could you think of to make this invention even better? (Use the conjunction **even though** to start your sentence).

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.**

### Summer Term Week 6: Lesson 3 - Make equal groups (grouping)

Please find all lesson resources on the following link. 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-grouping-2019.pdf>

<https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-3-Answers-Make-equal-groups-grouping-2019.pdf>

<https://vimeo.com/420582476>

### Can children be inventors?

The short answer is YES! Of course children can invent, inventions are made by people who try to find solutions to people’s problems, or creative ways to do things.

William Kamkwamba -

[https://www.ted.com/talks/william\\_kamkwamba\\_how\\_i\\_built\\_a\\_windmill](https://www.ted.com/talks/william_kamkwamba_how_i_built_a_windmill)

<https://www.rd.com/culture/things-kids-invented/>

## We need more children to invent?



As an advertising executive your job is to create an **advert** to encourage more children and young people to invent. How will you reach your audience? Will you create a poster, catchphrase, video advert, radio advert (you can voice record on your adult’s phone)?

To protect your ideas from someone copying it you need to **patent** their invention. A patent gives an inventor the right to stop other people making or using their invention. If someone makes or uses that invention without being allowed to, the inventor can sue that person in court to make them stop. So you can inform people about this important fact.

**Choose a challenge to complete:**

[https://www.youtube.com/watch?time\\_continue=37&v=hD9arWXIddM&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=37&v=hD9arWXIddM&feature=emb_logo)

### **Red challenge**

To create a statement/ catchphrase to encourage children to invent.

Can you place that statement in a poster and make it look eye-catching?

### Green challenge

Create a short paragraph to encourage children to invent. Include reasons why they should invent. Think of a way to present this to people a filmed advert or voice recorded.

### Blue challenge

Create a short paragraph to encourage children to invent. Include reasons why they should invent using conjunctions like because, as. Think of a way to present this to people a filmed advert or voice recorded. Include the use of the conjunction 'if' at the start of a sentence.

If children didn't invent \_\_\_\_\_.

Thursday

### Summer Term Week 6: Lesson 4 - Odd and even numbers

Please find all lesson resources on the following link. Please either print and complete the worksheet or write in your exercise book.

<https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-4-Odd-and-even-numbers-2019.pdf>

<https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-4-Answers-Odd-and-even-numbers-2019.pdf>

<https://vimeo.com/420582652>

### Coca Cola!

Please use the attached Coca Cola Comprehension to learn more about how the popular drink came to be and answer some fun trivia questions.

Can you believe that Coca Cola used to be used as a medicine?

John Pemberton created this world famous drink from mixing sugar and fruits. Your task is to design and create your own drink!

Check out this link to help you with your ideas.

<https://www.inthekidskitchen.com/party-recipes/tropical-fruit-punch/>



### Choose a challenge to complete:

#### Red challenge

Think about the ingredients that you would like to include in your drink. Will you use fresh fruit chunks, fruit juices or maybe even fruit squash? Write a shopping list of ingredients you will use in your drink. Use commas after each ingredient as you are listing them.

*E.g. In my drink, I will be using apple slices, orange juice, lemons zest etc.... The name of my drink will be ...*

Finish off your work with a design of your drink. What colour will you use? How will you decorate the packaging?

#### Green challenge

You must write a recipe for your drink using the present tense. You must write your shopping list first so that you know what you need. If you want to, why not create a drink at home! Use your method to help you create your recipe.

*E.g. 1. Collect all of the equipment you will need for this recipe, such as a mixing bowl, a juicer, ice etc.*



2. Take 3 oranges and chop them in half.

### Blue challenge

Create an advert for your drink! Why should people buy your drink? What is it made of? Use some exclamation sentences and imperative verbs (bossy verbs) for your advert so people will be tempted to buy it!

*E.g. What a vibrant, fruity drink! Get out and enjoy the taste of this amazing beverage in one of your local shops.*

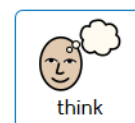
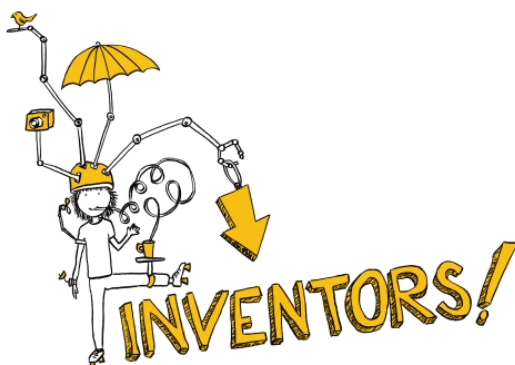
Friday

### Summer Term Week 6: Friday Maths Challenge

Please click on the following link to access the Friday Maths challenge for Summer Term Week 6.

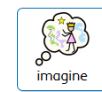
<https://whiterosemaths.com/homelearning/year-2/>

### You are an inventor!



Before inventions become reality you need to research and design. Take some time today to think of a problem, events and brainstorm ways to solve it. Sometimes the best ideas come in dreams, just when you wake up or when you're talking to someone. So grab a pen and paper and write them down!

Could your invention be a physical creation or something virtual like an app.

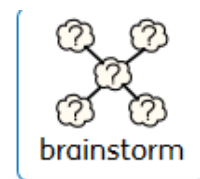
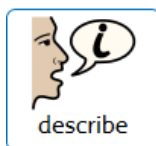


Watch these videos.

<https://www.bbc.co.uk/newsround/35579344>

<https://www.bbc.co.uk/newsround/31564978>

<https://www.bbc.co.uk/news/world-africa-52898797>





1. Draw your invention.
2. Describe it.
3. Can you create it, ask an adult for help.


Keep your ideas safe you never know it could make you famous!

(p.s. when that happens remember your favourite teachers 😊)

## Additional Activities

<p><b>Science</b></p>	<p>Here are a few links to sciences resources based on invention. A mixture of websites to explore and learn from. What did the Victorians ever do for us... <a href="https://victorianchildren.org/victorian-inventions/">https://victorianchildren.org/victorian-inventions/</a></p> <p>Women inventors: great inventions and fascinating stories. <a href="https://www.amightygirl.com/blog?p=12223">https://www.amightygirl.com/blog?p=12223</a></p> <p>Science activities based on the invention of the penny post- make your own ink! <a href="https://www.postalmuseum.org/wp-content/uploads/2017/02/Pop-It-In-The-Post-resource.pdf">https://www.postalmuseum.org/wp-content/uploads/2017/02/Pop-It-In-The-Post-resource.pdf</a></p> <p>Young inventors! <a href="https://www.youtube.com/watch?v=XiuU1mlFeEc">https://www.youtube.com/watch?v=XiuU1mlFeEc</a></p> <p>A website devoted to young inventors and their inventions... <a href="https://www.littleinventors.org/">https://www.littleinventors.org/</a></p> <p>An amazing 'invention' - a Rube Goldberg machine. <a href="https://www.youtube.com/watch?v=qybUFnY7Y8w">https://www.youtube.com/watch?v=qybUFnY7Y8w</a></p> <p>And some more about Rube Goldberg, with a few ideas for making your own Rube Goldberg machine. <a href="https://tinkerlab.com/engineering-kids-rube-goldberg-machine/">https://tinkerlab.com/engineering-kids-rube-goldberg-machine/</a></p>	
<p><b>PSHE</b></p>	<p>Watch video as a family and allow time for discussion. A short video on children discussing and sharing ways that racism has made them feel. <a href="https://www.bbc.co.uk/bitesize/clips/ztypyrd">https://www.bbc.co.uk/bitesize/clips/ztypyrd</a></p> <p><b>Questions to discuss:</b> How does this video make you feel? Could you create a poster to help other children to know what to do if they see someone not treating a child nicely due to their skin colour?</p>	
<p><b>Art / DT</b></p>	<p><b>See separate plan</b></p>	
<p><b>Music</b></p>	 <p><b>'Come together'</b> <a href="https://www.youtube.com/watch?v=BPYAyB9MPTA">https://www.youtube.com/watch?v=BPYAyB9MPTA</a> 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.</p> <p><b>'Siyahamba'</b> <a href="https://www.youtube.com/watch?v=N1KZbMprW8U">https://www.youtube.com/watch?v=N1KZbMprW8U</a> 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.</p> <p><b>'Double double': Hand clapping game</b> - <a href="https://www.youtube.com/watch?v=gWXNbleftRk">https://www.youtube.com/watch?v=gWXNbleftRk</a> Try learning this hand-clapping game for a bit of fun.</p> <p><b>'What is?'</b> - <a href="https://www.bbc.co.uk/teach/school-radio/primary-school-songs-what-is/zrrp6v4">https://www.bbc.co.uk/teach/school-radio/primary-school-songs-what-is/zrrp6v4</a> This is a song about the computer, code, software and the internet.</p> <p><b>'A short ride in a fast machine' by John Adams</b> <a href="https://www.bbc.co.uk/programmes/articles/3xwJ8Zpzz44vNJlZfqtXbbX/short-ride-in-a-fast-machine-by-john-adams">https://www.bbc.co.uk/programmes/articles/3xwJ8Zpzz44vNJlZfqtXbbX/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?</p>	



	<p>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>'Missing Instruments'</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>In <b>music, dynamics</b> refers to the volume or loudness of the sound or note <b>'forte' and 'piano'</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><b>P.E.</b></p>	<p><b><u>Dance</u></b></p> <p>Each week, you will be provided with a new dance lesson from Trinity Laban. To access the video just click on the link and use the password provided by the school (sent via ParentMail). Have fun!</p> <p><b>KS1: What's on the Menu? Vegetable Soup!</b> <a href="https://vimeo.com/428077795">https://vimeo.com/428077795</a></p> <p>Trinity Laban dance teacher Wendy Steatham leads a fun movement session that considers some of the actions used in making a healthy vegetable soup - slicing, shaking and stirring! Explore different ways of dancing these movements and create your own short movement routine.</p> <p><b>Create your own exercise routine:</b></p> <p>Use the videos as examples.</p> <p><a href="https://www.youtube.com/watch?v=mhHY8mOQ5eo">https://www.youtube.com/watch?v=mhHY8mOQ5eo</a></p> <p><a href="https://www.youtube.com/watch?v=5if4cjO5nxo">https://www.youtube.com/watch?v=5if4cjO5nxo</a></p> <p><b>You can teach it to your family!</b></p> <p><b>Stretch it out!</b></p> <p><a href="https://www.youtube.com/watch?v=ybPwuaGoa9E">https://www.youtube.com/watch?v=ybPwuaGoa9E</a></p> 
<p><b>Extra fun</b></p>	<p><b><u>Find out more about the Windrush from children</u></b></p> <p><a href="https://www.bbc.co.uk/newsround/44503109">https://www.bbc.co.uk/newsround/44503109</a></p> <p><b><u>Invention Games</u></b></p> <p><a href="https://www.learninggamesforkids.com/social-studies-games/inventors.html">https://www.learninggamesforkids.com/social-studies-games/inventors.html</a></p> <p><b><u>Try these fun quizzes</u></b></p> <p><a href="https://www.bbc.co.uk/cbbc/quizzes">https://www.bbc.co.uk/cbbc/quizzes</a></p> <p><b><u>Let's have fun with nature</u></b></p> <p>Here are a few links we found on RSPB that include activities and games.</p> <p><a href="https://www.rspb.org.uk/fun-and-learning/for-kids/games-and-activities/">https://www.rspb.org.uk/fun-and-learning/for-kids/games-and-activities/</a></p> <p><b><u>Let's have a screen time break:</u></b></p> <ol style="list-style-type: none"> <li>1. Go on a minibeast hunt</li> <li>2. Measure a tree</li> <li>3. Plant some seeds</li> <li>4. Make a secret code</li> <li>5. Create a time capsule</li> <li>6. Make a Bird Feeder</li> </ol>

