

## Maths

- Have a look at [White Rose Maths](#) this week – watch some the daily teaching videos and follow the activities. This week's theme on White Rose Maths is statistics.
- If you want to extend your learning even further, check out [BBC Bitesize](#) daily maths activities!
- Let's all log on to [Times Tables Rockstars](#) – let's get rocking! I'll be checking again this week to see who has stepped up to the challenge ☺! **This week on Times Tables Rockstars I want you to try and beat your fastest studio time.** Remember to play in studio mode to do this.
- Finally, don't forget your **Spring Term KIRFs: know the multiplication and division facts for the 9 and 11 times tables.**



## 1. Geography (Explore)

### Can you investigate weather around the world?

Choose at least 8 capital cities from around the world and explore how the weather is different in each capital city.

#### **Explore:**

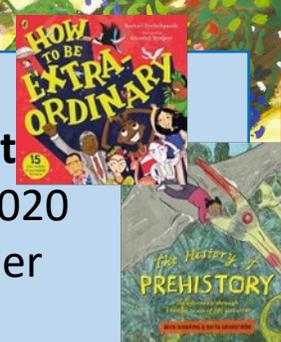
First predict what you think the weather will be like – thinking about temperature and weather conditions/type of weather you might experience there.

Then record your actual findings – capital city, country continent, temperature, weather conditions. Afterwards compare the weather in different places and suggest why there are differences.

Year 4

## Home Learning Project

Week Beginning: 29.06.2020  
Theme: Seasons/Weather  
(Rain & Rainbows)



If you have any work that you are really proud of, email it to [helen.clarke@danebank.tameside.sch.uk](mailto:helen.clarke@danebank.tameside.sch.uk) to show one of the teachers!

## 2. Science (Investigate)

### Can you CREATE your own storm?

First, investigate: what causes a storm? Are all storms the same?

Watch some of the videos on the [Exciting, Extreme Weather](#) website to see storms in action! [Here's](#) some extra information!

Then, follow the instructions on the website link below to create your own storm!

<http://frogs-and-fairies.com/what-causes-storms/>



## French (Learn)

### How do we talk about the weather in French?

Let's learn about the weather and seasons in French! I know how much you loved our French lessons in class ☺! Watch [this](#) video and join in with saying the French words and phrases.

## Art (Create)

### Can you make a storm come to life on paper?

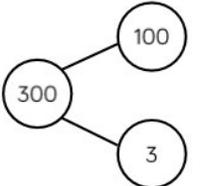
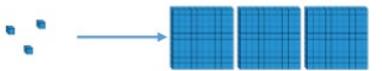
Choose one of these two fabulous ideas to create a realistic thunderstorm against a skyline!

<http://creatorsjoy.blogspot.com/2010/08/monsoon-storm-drawing-project.html>

<http://www.lbrummer68739.net/5th-grade-projects-gallery-2/stormy-night/>



What Causes STORMS?

Monday	Tuesday	Wednesday	Thursday	Friday											
<p>Complete these calculations:  <math>23 \times 10</math>  <math>42 \times 10</math>  <math>15 \times 10</math>  <math>68 \times 10</math>  <math>71 \times 10</math></p> <p>Now answer this question, giving a reason for your answer.  <b>Always. Sometimes. Never</b>                      If you write a whole number in a place value grid and multiply it by 10, all the digits move one column to the left.</p>	<p>Use <math>&lt;</math>, <math>&gt;</math>, <math>=</math> to make the statements correct.</p> <p><math>75 \times 100</math>    <input type="radio"/>    <math>75 \times 10</math>  <math>39 \times 100</math>    <input type="radio"/>    <math>39 \times 10 \times 10</math>  <math>460 \times 10</math>    <input type="radio"/>    <math>100 \times 47</math></p>	<p>Complete these calculations:  <math>3 \times 2 \times 4 =</math>  <math>4 \times 5 \times 2 =</math>  <math>5 \times 2 \times 6 =</math>  <math>8 \times 4 \times 5 =</math>  <math>2 \times 8 \times 6 =</math></p>	<p>Complete these calculations using column multiplication:  <math>28 \times 3</math>  <math>36 \times 8</math>  <math>48 \times 4</math>  <math>5 \times 34</math>  <math>43 \times 3</math>  <math>36 \times 4</math>  <math>74 \times 5</math></p>	<p>Complete these calculations using column multiplication:  <math>203 \times 3</math>  <math>245 \times 4</math>  <math>376 \times 2</math>  <math>234 \times 6</math>  <math>414 \times 5</math>  <math>683 \times 8</math></p>											
<p>Annie has multiplied a whole number by 10.                      Her answer is between 440 and 540.                      What could her number be?                      How many possibilities can you find?</p>	<p>Which representation does NOT show multiplying by 100? Explain your answer.</p> <p></p> <p></p> <p></p> <p></p>	<p>Make the target number of 84 by using 3 of the digit below.</p> <p><table border="1" data-bbox="1044 935 1363 999"> <tr> <td>7</td> <td>5</td> <td>3</td> <td>4</td> <td>6</td> <td>2</td> </tr> </table></p> <p><math>\square \times \square \times \square = 84</math>                      Multiply the remaining 3 digits together, what is the product of the 3 numbers?                      Is the product smaller or larger than 84?                      Can you complete this problem in more than one way?</p>	7	5	3	4	6	2	<p><b>Always, Sometimes, Never</b></p> <p>When multiplying a two-digit number by a one-digit number, the product has 3 digits.</p> <p>When multiplying a two-digit number by 8 the product is odd.</p> <p>When multiplying a two-digit number by 7 you need to exchange.</p> <p>Prove it!</p>	<p>Teddy and his mum were having a reading competition. In one month, Teddy read 814 pages.</p> <p></p> <p>His mum read 4 times as many pages as Teddy.                      How many pages did they read altogether?                      How many fewer pages did Teddy read than his mum?</p> <p>Teddy <table border="1" data-bbox="2012 1320 2102 1349"> <tr> <td>814</td> </tr> </table></p> <p>Mum <table border="1" data-bbox="2012 1378 2344 1406"> <tr> <td>814</td> <td>814</td> <td>814</td> <td>814</td> </tr> </table></p>	814	814	814	814	814
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Year 4  
**Home Learning Project – English**  
 Week Beginning: 29.06.2020

Monday	Tuesday	Wednesday	Thursday	Friday
<b>Spelling, Punctuation and Grammar Activities</b>				<b>Extended write</b>
Proofread and edit your work from last Friday – check for spellings, punctuation, grammar.	Practice adding prefixes and suffixes to root words using the games on <a href="#">Spelling Frame</a> .	<i>Answer each of the questions on the SPaG mat on slide 5.</i>	Practice spelling some of the Y3/4 Tricky words using the <a href="#">Look, Cover, Write, Check</a> game.	Have a look through some of the FREE extracts on <a href="#">Love Reading 4 Kids</a> , under the Fiction >> True Stories section.  <a href="#">Here's</a> one that I found about Amazing Stories of Survival. Choose one of the books/extracts that tells you about an interesting/extraordinary person. Read about them.
<b>Reading and Comprehension</b>				
Watch: <a href="https://www.youtube.com/watch?v=muBrh7Y5ZLO">https://www.youtube.com/watch?v=muBrh7Y5ZLO</a>	Read: <a href="https://www.ducksters.com/biography/thomas_edison.php?fbclid=IwAR3psvrjwMeVHsYLc_SINtQznHX4i-4MJ3k8CEf_MLStMGnO0rA9P0y934">https://www.ducksters.com/biography/thomas_edison.php?fbclid=IwAR3psvrjwMeVHsYLc_SINtQznHX4i-4MJ3k8CEf_MLStMGnO0rA9P0y934</a>	Read: The text on slide 4.	Read/listen: <a href="https://www.youtube.com/watch?time_continue=1&amp;v=67Ml1bCAz3Y&amp;feature=emb_title">https://www.youtube.com/watch?time_continue=1&amp;v=67Ml1bCAz3Y&amp;feature=emb_title</a>	Then write an information page about your chosen person. Tell me: <ol style="list-style-type: none"> <li>1. About their life/history.</li> <li>2. Why they are interesting/extraordinary.</li> <li>3. Why you have chosen to write about them!</li> </ol> You may need to do some additional research about them, but I know that you will be GREAT at that!
What is Billy being asked about? Then I feel a change, like a _____ deep inside. Which two negative feelings does Billy describe it as being like? 'Suddenly I'm flying, Flying like a bird' What is Billy talking about here? <b>Red Challenge:</b> What do you think the meaning of this song is? Why do you think that? 'It's a bit like being angry, It's a bit like being scared' Why do you think Billy describes it using negative emotions? Does this mean he doesn't like dancing?	Which American state was Edison born in? When is Edison's birthday? What was Edison's first job in communications? Where did he build his research labs? What was the first major invention that made Edison famous? What was Edison's middle name? <b>Red Challenge:</b> Based on what you now know about Thomas Edison, what title could you give to this biography about him that summarises the information in the text?	What did the Ancient Greeks rub that attracted light objects to it? What did the Ancient Egyptians call the fish which gave an electric shock? What did Benjamin Franklin tie to a kite? Why was Benjamin Franklin 'very lucky'? <b>Red Challenge:</b> Which of the discoveries you have read about do you think was the most important? What did Benjamin Franklin's kite experiment prove?	Where was Isaac playing at the beginning of the story? What was he carrying water in? Name 3 places that Isaac's water travelled to in the story.  <b>Red Challenge:</b> <i>"The clouds let go their gift of water. They fill the pool where the little girl plays."</i> What exactly is the 'gift of water' and why do you think the author chose to describe it like this? What does the author mean by <i>"The ocean has many moods."</i> ?	

In modern life, we use electricity on a daily basis and do not think anything of it. We take it for granted. However, for most of human history electricity was not known about so how and why did that change? Read on!



While we did not know that electric currents existed, we were aware of shocks from a fish. We called it 'Thunderer of the Nile'.

Ancient Egyptians thought that electric fish were 'protectors' of other fish. Electric fish were written about by the Ancient Greeks, Romans and Arab Scholars.

We Ancient Greeks knew that rubbing amber would make light objects attract to it. We thought it became magnetic.

What they were actually observing was static electricity!



It was not until hundreds of years later in the 1600's that **William Gilbert** studied and distinguished between magnetism of metals and static electricity. He used the Greek word for amber - 'elektron' - and invented a new Latin word - electricus.



**Benjamin Franklin** was the first person to study electricity in depth. One of his most important findings was proving that lightning was electrical (it had been thought of as different up until then). He flew a kite during a storm, to which he had attached a key. When the kite was indeed hit by lightning, he felt electric sparks from the key.

He was very fortunate not to be electrocuted! This is not an experiment that needs to be repeated!!

He was also the first to store electricity and knew it consisted of positive and negative charges.



**Alessandro Volta** invented the first battery – which was known as the 'voltaic pile' as it was made of layers of zinc and copper which was either combined with sulphuric acid or saltwater brine to create an electric current.

Volta's name was also the basis for the following words:

**Voltage:** This is the electric force that causes free electrons to move from one atom to another.

**Volt:** Is the unit of measurement for Voltage (written as V).



### Section 1



Write a sentence about this girl that contains a conjunction, a fronted adverbial and a preposition. Underline them.

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### Section 4

Circle all the determiners in these sentences:

I have two guinea pigs.

When you go to the shop, buy some carrots.

### Section 2

Add the correct possessive pronoun to these sentences:

It's my car - it's \_\_\_\_\_.

It's his dinosaur toy - it's \_\_\_\_\_.

### Section 5

Mr Whoops has made three clumsy spelling mistakes in his sentence. Can you underline them and correct them?

Over a sentury ago, Queen Victoria began her rain as the queen of England. She actually ruled the country for more than sixty years.

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### Section 3

Write a sentence that contains an apostrophe about the hat belonging to the gnome.

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### Section 6

Add another word to this word family:

cycle

bicycle

cyclone

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