

# YEAR 6 HOME LEARNING GRID – SPRING TERM 2019

Our topics are Extreme Earth and What the Romans did for us! We have made the tasks as cross-curricular as possible. The grid has been devised so that you can select and complete the tasks that appeal to you most. During the Spring term, you need to complete a Literacy or Maths task weekly. **Within these tasks you will see SPAG.com and mymaths tasks included.** In addition one piece of topic or Science work will be expected each week. This term we have included some suggested daily Maths activities to reinforce key skills. These however do not count as a maths homework task, just ideas to keep the maths brain ticking over. Home learning books should be returned for marking on a **Monday** and will be given back on a **Wednesday**. Have fun and most importantly enjoy learning!



<b><u>Literacy</u></b>	<p><b>SPAG.com</b></p> <p>Synonyms and Antonyms Y6 (A)</p> <p><i>Extension task – Synonyms and Antonyms Y6 (B)</i></p>	<p><b>SPAG.com</b></p> <p>Semi Colons and Colons Y6 (A)</p> <p><i>Extension task – Semi Colons and Colons Y6 (B)</i></p>	<p><b>SPAG.com</b></p> <p>Parenthesis and Commas Y6 (A)</p> <p><i>Extension task – Parenthesis and Commas Y6 (B)</i></p>	<p><b>SPAG.com</b></p> <p>Direct Speech and Punctuation- Y6 (A)</p> <p><i>Extension task – Direct Speech and Punctuation - Y6 (B)</i></p>	<p>Write a short story (<b>no more than 1 page</b>) From the perspective of a child who enters Mr Linden's library. What are their initial reactions? What can they see? How do they feel? – using the 5 senses.</p>	<p>Research some events that happened in the year of your birth. Turn them into articles for the front page of a newspaper.</p>	<p>Write a poem, explaining what it means to be British today. Explore what it means to be British and include British values of tolerance, respect, freedom and the rule of law.</p>
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<b><u>Maths Revision</u></b>	<p>Please use tutorials before completing the task.</p> <p><b>Mymaths Task 1</b></p> <p>Area of Rectangles</p> <p><i>Extension task – Volume of Cuboids</i></p>	<p>Please use tutorials before completing the task.</p> <p><b>Mymaths Task 2</b></p> <p>Mean and Mode</p> <p><i>Extension task – Statistics 6 -OW</i></p>	<p>Please use tutorials before completing the task.</p> <p><b>Mymaths Task 3</b></p> <p>Angle Sums</p> <p><i>Extension task – Constructing Triangles</i></p>	<p>Please use tutorials before completing the task.</p> <p><b>Mymaths Task 4</b></p> <p>Frac, Dec, Perc 1</p> <p><i>Extension task – Frac, Dec, Perc 2</i></p>	<p>Devise your own survey e.g. favourite artist, clothing brands, food etc. Create a frequency table and draw a pie chart to represent results. You will need to use a protractor.</p> <p><b>Extension</b> Can you find the mean, range, mode and median?</p>	<p>Look at a local bus, cinema or train timetable. Write ten statements about the timetable e.g. the bus takes 14 minutes to get from stop A to stop B.</p> <p><b>Extension</b> Create 5 questions based on your timetable</p>	<p>Can you find all the square numbers up to 200? What do all the numbers have in common? What patterns do you notice?</p> <p><b>Extension</b> Find the cubed numbers for numbers 1 -20</p>
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<b><u>Suggested Daily Maths activities</u></b>	<p>Have a go at the countdown game below. Can you complete quick calculations? <a href="http://www.topmarks.co.uk/Flash.aspx?f=countdowntimerv3">http://www.topmarks.co.uk/Flash.aspx?f=countdowntimerv3</a></p>	<p>Plan a day out for your family using timetables.</p> <p>For example; a train journey into London or a trip to the cinema.</p>	<p>Investigate 3D shapes around your house. What is each shape called? What properties does each have? Task - Make a net of a 3DE shape you find in the home.</p>	<p>Have a go at the Carroll diagram challenge below. Choose your own criteria and then see if you can sort the numbers accurately! <a href="http://www.topmarks.co.uk/Flash.aspx?f=carrollv7">http://www.topmarks.co.uk/Flash.aspx?f=carrollv7</a></p>	<p>Ask a family member to test you on your multiplication facts. Write out 10 groups of multiplication and division families of your choosing.</p>	<p>Cooking – Use the recipe for cookies in the link and adapt this recipe so that you can make 15 cookies instead of 12. <a href="https://www.bbcgoodfood.com/recipes/1580654/millies-cookies-recipe">https://www.bbcgoodfood.com/recipes/1580654/millies-cookies-recipe</a></p>	<p>During the weekly shop, round the prices to nearest whole number then estimate the total cost? How close were you?</p>
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<b>Topic</b>	Research a national anthem for a country of your choice. Write out the lyrics in your home learning book and explain the meaning and origin of the song. (You can even perform it if you wish!)	Research and create an interpretation of a Roman mosaic, feel free to be creative with your choice of materials.	Draw an accurate map of the British Isles and label 10 major cities and 10 main rivers.  Challenge: Can you locate and mark 5 major historical landmarks on your map?	Research a significant historical British landmark. This could be an important building or memorial. Tell us what it represents or why it is so significant to British identity.	Create your own family tree which shows your ancestry dating back as far as you can. You will need to talk to your parents and grandparents to find out as much information about your family as possible.	Create a timeline of important events in the history of the British Isles. Choose a maximum of 20 events to include.  Extension: Choose one event and research it in detail.	Create your own Roman Shield, sword or helmet using materials you have at home. Decorate them and bring them in to show your teacher.
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<b>Science Revision</b>	Investigate different types of trees. How can they be identified? What types of leaves, fruit or flowers do they have? What different tree types can you find in your local area?	Does temperature affect the rate of dissolving? Carry out your own investigation at home to answer this question. (See investigation sheet for guidelines)	Draw and label the parts of the plant (male and female parts). Write explanations for the function of each part.	Draw and label a diagram of the human body. Select 5 main organs and describe their functions in the human body.	Draw a detailed diagram of the water cycle. Explain the process for each stage of the cycle.	Investigate forces. Make your own rocket. The website below will help: <a href="http://www.wikihow.com/Make-a-Baking-Soda-and-Vinegar-Rocket">http://www.wikihow.com/Make-a-Baking-Soda-and-Vinegar-Rocket</a>	Write about 5 irreversible changes when an item has been heated or cooled and will not return to its original form. <a href="http://www.bbc.co.uk/schools/scienceclips/ages/10_11/rev_irrev_changes.shtml">http://www.bbc.co.uk/schools/scienceclips/ages/10_11/rev_irrev_changes.shtml</a>  <a href="http://www.bbc.co.uk/schools/teachers/ks2_lessonplans/science/reversible_irreversible.shtml">http://www.bbc.co.uk/schools/teachers/ks2_lessonplans/science/reversible_irreversible.shtml</a>
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### Included in the homework pack

- Science investigation guidance sheet
- Maths revision booklet.
- If completing the 'pie chart' Maths task, you may borrow a school protractor for that week.



### Family Learning

This is a flexible option. The aim is to provide families with time to take part in something together or to use this as a free pass, so that you could, if needed, take a week off from the home learning grid. You may wish to visit a museum or art gallery as a family. **You may use 1 Family Learning Week per half term.**

<b>Date:</b>	<b>Parent Signature:</b>	<b>Teacher signature:</b>
<b>Date:</b>	<b>Parent Signature:</b>	<b>Teacher signature:</b>



Date:.....

## Science Investigation Plan

Question - What do we want to find out?

We want to find out...

Equipment - What equipment will we use?

We will use:

Variables - What could we change?

We could change...

We are only going to change:

Fair test - What will we keep the same?

We will keep...

Method - What did we do?

Firstly we...

Then we...

Measure - How are we going to record our results?

We could record our results by using...

diagrams    bar charts    drawings    tables    tally sheets    writing  
lists    pictograms

Prediction - What do you predict will happen?

I predict that...

Results

What has happened?


Conclusion - Why do we think this has happened?

I think this has happened because...