



Year 5 Spring Term 2 Homework Challenges

Please complete as many tasks as you are able to from those provided. We are encouraging the children to hand in one piece per week through the google classroom or stick it in their homework book, where appropriate for the task. Some tasks may take you a while to complete for example learning to tell the time, these would be an ongoing challenge. You have the rest of Spring 1 to complete these tasks.

Useful Websites

<https://www.topmarks.co.uk/maths-games/hit-the-button>

<https://scratch.mit.edu/>

<https://trockstars.com/>

Britannica Kids – Agriculture

The School Run – Food and farmland for KS1 and KS2 children

Cambridge Learner's Dictionary – Definitions and meanings

BBC Good Food – Seasonal calendar

DKfindout! – All About Plants for Kids – Plant Facts

DKfindout! – Food Chains For Kids – Facts About Food

BBC Two – This Farming Life New Scientist Jobs – A day in the life of a farmer

BBC News – Digging for Victory: Stories from wartime gardens

The British Library – Dig for Victory

English

For English, please practice your spellings on a weekly basis. You will have a weekly spelling test, in class, with your teacher on a Monday afternoon. As a minimum, pupils should learn the spellings for the given week. However, why not challenge yourself by building sentences using the spellings? We would also like you to read for 20 minutes every day. This can be with an adult or independently.

Maths

Children are expected to know their times tables up to 12x12 by the end of Year 4. Throughout Year 5, children should continue consolidating their times table knowledge and begin learning the corresponding division facts. Use Times Table Rockstars (TTRS) to help them with this. Your login is stuck in your homework book. Our focus this half term will be written multiplication using column multiplication and the bus stop division method.



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<p>Task 1 - Geography</p> <p>Using your VegPlotter log in, create your own allotment plot using the tools and plants.</p>	<p>Task 2 - Maths</p> <p>Perimeter and area- Choose an area of your house. It could be your bedroom or your garden. Calculate the area and perimeter of this area.</p>	<p>Task 3 - PE & Sports</p> <p>Tennis at home! Watch the activity videos below and have a go. Record yourself completing the challenges and upload them if you would like! https://youtu.be/OmX6vFun-ao https://youtu.be/NaWFNWCA7BE https://youtu.be/PHFIYNb_H4</p>	<p>Task 4 - English</p> <p>Create your own story similar to the “Hound of the Baskervilles”. Who is your villain going to be? Where is your story set? Will your story include a ferocious creature like the hound?</p>
<p>Task 5 - DT</p> <p>Create your own soup recipe using some seasonal vegetables. Can you make this recipe at home? Show us some pictures of this.</p>	<p>Task 6 - Science</p> <p>For Science Week, the topic this year is “Change and adapt”. Design and create a poster around this theme. This could be linked to seasons, animals, habitats or life cycles.</p>	<p>Task 7 - Science</p> <p><u>Scared pepper! Move pepper away from you without touching it.</u></p> <ol style="list-style-type: none">1. Fill the bowl with water.2. Add some pepper to the top of the water, do not stir it in.3. Dip your finger into the water, note down what happens.4. Put a small amount of soap on your finger.5. Dip it back into the water.6. What happens to the pepper?	<p>Task 8 - Maths</p> <p>Create a snap game showing equivalent fractions, decimals and percentages.</p>
<p>Task 9 - English</p> <p>Choose one of the characters from Holes. Write a character description. Think about what your character looks like and what their personality is like.</p>	<p>Task 10 - PSHE</p> <p>Think about somebody in your family that you love and respect. Write down some questions to find out more about them. Interview them and record their answers. This could be in the form of a video or audio recording or written as a formal interview.</p>	<p>Task 11 - Italian</p> <p>Do some research on the Olympic Games and create a powerpoint.</p>	<p>Task 12 - Computing</p> <p>Plan and film your own video, describing your favourite film, book or musical artist. Include different types of shots: close up, mid-range, long shot, moving subject, side by side and high/low/normal shot. Feel free to use imovie or any other video app to edit your video!</p>

You can do the challenges in any order.

Please only do each challenge once.

You will need to hand a minimum of one task in weekly.

Please upload your task to your Google Classroom or stick in your homework book.

SCARED PEPPER

SCIENCE CHALLENGE 14

Designed by Robyn,
James Dyson
Foundation executive

The brief

Move pepper away from you without touching it.

The method

1. Fill the bowl with water.
2. Add some pepper to the top of the water, do not stir it in.
3. Dip your finger into the water, note down what happens.
4. Put a small amount of soap on your finger.
5. Dip it back into the water.
6. What happens to the pepper?



Materials

Ground black pepper

A bowl

Water and washing up liquid or soap

How does it work?

Water normally bulges up a bit. You can see this by looking at a raindrop or by filling a glass slightly over the rim – the water will not spill out. When soap is added to water, surface tension is lowered. The water tries to spread out. As the top of the water flattens out, the pepper on the surface is carried to the edge of the bowl.

Did you know?

In the cosmetics industry the surface friction and consistency of various liquids are regularly changed in order to make them easier to pour or spray.

