

## Year 5 Distance Learning

### Spellings

Complete the next page of your spelling book. Get somebody at home to test you on some words with this pattern! Can you use any of these words in your writing this week? You can also use the handwriting worksheet on our website to practice those tricky Y5/6 curriculum words.

### Reading

Please read daily with your child and record this in their reading record. We are happy for you to read any books you have available at home.

### Times Tables

Log on to Times Table Rockstars using your LGFL login (use this login for the password too) to practice your tables. Make sure you enter via the student login and check you have chosen the correct Keston Primary School!

### French

Log into Busy Things to see what French tasks have been set by Miss Sutton this week.

### Computing

<https://www.bbc.co.uk/bitesize/topics/zf2f9j6/articles/z3c6tfr> Learn how to touch type

<http://sa.lgfl.org.uk/computing.html> Try Unit 1 of the Computing Space Adventure

<https://content.lgfl.org.uk/secure/stopframe/> Create your own stop-frame animation

### Votes for school

Remember to check on the Keston website under the 'Votes for school' tab. Have a look at this week's lesson, it is provided as a powerpoint so easy to access. We would love to hear your thoughts and opinions on this week's topic.

*Just a reminder that many of the home learning activities can be viewed on screen by the children and their responses written in the exercise books they were given when school closure was first announced. This will hopefully save you time and money!*

## **Maths – Summer 2 Week 3**

This week's maths topic is percentages. We have not yet covered this in school so it is a new topic for you all! Please watch the videos and go through the powerpoint and poster to help you.

**Parents and carers may need to give their child a little more support with the work this week as it can be very tricky!**

Take your time and try your best! We would love to hear how you get on with this new topic.

**Please see the attached worksheets on the website or in your packs.**

Explaining what a percentage is - <https://www.bbc.co.uk/bitesize/topics/znjqtfr/articles/z8ws3k7>

Percentage song - <https://www.youtube.com/watch?v=hikluw6Z4Gw>

How to calculate percentage - <https://www.bbc.co.uk/bitesize/topics/znjqtfr/articles/zcfyw6f>

**You will need to use your knowledge of equivalent fractions for this week's work. E.G: 25% = 1/4 , 40% = 2/5, 80% = 4/5**

We know that 10% is also known as  $10/100 = 1/10$ . To find 10% of an amount you divide by 10.

For example: My coat costs £50 and it has 10% off, how much would it cost?  $50 \div 10 = 5$

$50 - 5 = 45$ . The coat will now cost £45.

**Please use this information/examples and equivalent fractions to support you with this week's work:**

- To find 20% find 10% and double it.
- To find 50% half it.
- To find 25% half it, and half it again.
- To find 5% find 10% and half it.
- To find 1% divide by 100.
- To find 40% divide by 10 and times by 4. E.G 40% of 80.  $10\% = 8$  then  $8 \times 4 = 32$
- To find 70% divide by 10 and times by 7. E.G: 70% of 90.  $10\% = 9$  then  $9 \times 7 = 63$ .
- To find 35% find 30% (divide by 10 and times by 3) and find 5% (find 10% and half it) then add your answers together.

**PLEASE WATCH THIS VIDEO BEFORE YOU START YOUR WORK FOR THE WEEK! IT WILL REALLY HELP YOU.** <https://www.youtube.com/watch?v=9fwh0F24dew>

**Day 1** – Starter – Visual representations of percentages. **Differentiated!**

Main activity – Find percentages of quantities: 10%

**Day 2** – Starter – Find the percentages of the numbers in the circles.

Main Activity - Understanding percentages worksheet – **Differentiated**

**FOR DAYS 3 AND 4 PLEASE USE THE POWERPOINT TO HELP YOU ANSWER THE QUESTIONS AND PRACTICE YOUR KNOWLEDGE OF PERCENTAGES. YOU CAN WORK OUT THE ANSWERS TO THE QUESTIONS ON THE POWERPOINT AND WRITE THEM IN YOUR EXERCISE BOOK.**

**Day 3** – Word problems – **Differentiated** – your child only needs to complete one set of 10 questions, please choose an appropriate level for them.

Extension – Find the percentages of quantities: 1%, 5%, 10% and 25%

**Day 4** – Classroom secrets percentages of an amount worksheet – **Differentiated**

Extension (for a little bit of fun) – Percentages joke code breaker.

**Day 5** – Reasoning test!

**NB Some worksheets are differentiated (different levels of challenge) so please choose an appropriate sheet to complete.**

**Please use your LGFL log in to complete any assignments we set on the Busy Things website.**

For some extra extension work, Carol Vorderman's maths website 'The Maths factor' is currently free.

*It includes fun videos and games for the children to enjoy and challenge themselves.*

*The website: <https://www.themathsfactor.com/>*

*This is a link to find out more about the website:  
[https://www.youtube.com/watch?v=TxqOLwyKtE4&feature=emb\\_logo](https://www.youtube.com/watch?v=TxqOLwyKtE4&feature=emb_logo)*

## English- Summer 2 Week 3

This week we're going to be writing a newspaper report about the events from The Highwayman.

1. Complete the grammar activities about determiners. There's a lot of grammatical jargon involved but they're simple words we're already experts at using – honest! There's a Powerpoint and 'Types of Determiners' document to help support this learning. The main point to remember is – **determiners come before a noun.**
2. <https://www.bbc.co.uk/bitesize/topics/z2yycdm/articles/z2gk9qt>  
Use BBC bitesize to remind yourself about newspaper articles and how they are structured. Using the English Resources document, look at the newspaper article and label any important features you can see.
3. Plan your newspaper article about The Highwayman using the planning sheet. Don't forget to use all the different features you looked at yesterday and the important points from the poem that are included in the resources file.

<b>L.O: To recount the main events of The Highwayman in a newspaper article.</b>	I have used a formal tone
	I have included a quotation and punctuated it correctly
	I have written in chronological order
	I have used different ways to start my sentences

4. Using the template, write your own newspaper article about the main events of the story. When you have finished, use the checklist to reflect on your writing and ensure you have included all the important features of newspaper articles.
5. Complete the comprehension for this week about Captain Tom Moore.

**We have also included a Talk for Writing booklet to complete if you would like extra writing practice.**

## Explore and Discover – Summer 2 Week 3

### Science experiments

#### How does water travel through leaves?

1. Start by taking a walk outdoors and collecting various leaves.
2. Snip off the bottom of each leaf stem. Then place each leaf in a glass filled about a third of the way with water.



3. Add food colouring to the water. (We made our water a very dark shade of red to increase our chances of seeing changes in the leaves.)

4. Observe the leaves closely. (You can use a magnifying glass if you have one.) Record your observations of how they look on Day 1 of the experiment.

5. Observe them for the next two days. Be sure to record your observations

#### What's Going On?

You should notice the red colour move slowly through the leaf. Here's a close-up of one leaf over three days.



The coloured water was moving through the **xylem tubes** of the leaf. The **xylem tubes of plants** transport water and minerals up from the roots through the entire plant. (Their thick walls also provide support for the plant.)

## Exploring How Tree & Plants Breathe

**Step 1: Fill a large bowl with lukewarm water**

**Step 2: Head outside and find a large leaf**

You'll want to remove a leaf from a tree or plant and not just pick one up off the ground as we want an 'active' leaf for the project.

**Step 3: Place the leaf in the bowl of water and put a small rock on top of it so it is FULLY submerged under the water**



Then put the bowl in a sunny spot.

As you can see, this is really the benefit of using a glass bowl -- you can be sure your entire leaf is underwater.

If you have a place inside that's super sunny, you can also try keeping the bowl there.

**Step 4: WAIT!**



**Step 5: Take a peek a few hours later**

What you should be seeing is small bubbles that form around the leaf and the edges of the bowl.

### **Explaining Photosynthesis & Respiration in Plants and Trees**

The leaf is still using the sunlight as part of the photosynthesis process (where leaves convert sunlight to energy).

As a leaf creates that energy, it needs to get rid of the items it no longer needs so it will expel both the extra oxygen during photosynthesis along with water (the release of water from a plant is called transpiration).

The process of photosynthesis is what allows us to see the bubbles -- as the leaf releases its' extra oxygen while submerged, the oxygen can be seen as bubbles in the water.

And since oxygen is lighter than water, the bubbles will eventually rise to the surface.

### Art- leaves

Try creating art using different plants that you can find. You could create painted prints or rubbings.



### Art – The Highwayman



Use any different materials you have at home to create a silhouetted picture of the highwayman. Try to use lots of darker colours to reflect the mood of the poem.

## **MONDAY MORNING**

Distance learning activities will now be made available by noon on Monday. As a result of this, if you would like extra work to do on Monday morning, please use the online resources that have been made available such as Oak Academy, BBC Bitesize, Carol Vorderman Maths, Times Table Rockstars, Busy Things or spend time practicing reading and completing any unfinished tasks from previous weeks.