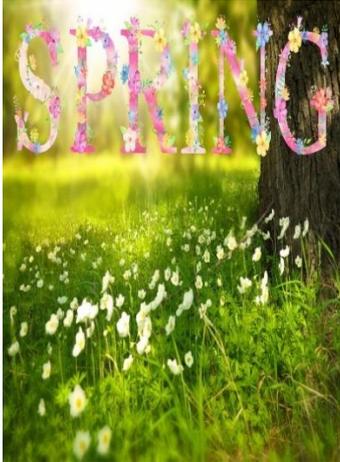


Year 4 Week Beginning- 27/04/2020

English Challenge



Spring Time

- Adverbial sentences – Could you write a selection of sentences about spring starting with an adverbial phrase. For example: This afternoon, I will see the bluebells in the woods.
- Crossword - Could you create a crossword with clues and answers about spring?
- Poetry – Could you create an illustrated acrostic poem about spring?

Maths Challenge:



How Many Times?

On a digital 24 hour clock, at certain times, all the digits are consecutive (in counting order). You can count forwards or backwards.

For example, 1:23 or 5:43.

How many times like this are there between:

1. Midnight (00:00) and 07:00?

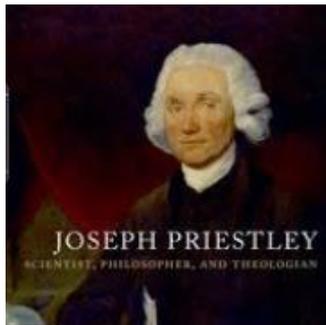
If you want to, now try these:

2. How many times between 07:00 and midday (12:00)?
3. Midday (12:00) and midnight (00:00)?

Think about:

- Which digits are possible (01:23) and which are not (05:67)? This will give you the limits to work within.
- How will you know you have found all of the solutions? What approach could you use?

Science Challenge



Watch the following clip:

<https://www.bbc.co.uk/bitesize/clips/zkcb4wx> to find out how Joseph Priestley discovered gases.

Write a paragraph about this.

Experiment:

Does gas weigh anything?

1. Make your prediction giving reasons for your ideas
2. Perform your experiment.

You will need:

Digital weighing scales

1 glass

A fizzy drink like lemonade, Coca-Cola etc

Fill the glass half full with the fizzy drink & weigh it. Then shake it gently (do not spill any) until most of the bubbles have disappeared & it is flat (all of the gas (in the bubbles) has left the liquid). Then weigh it and record your results

3. Results: which one weighed more the liquid with the gas or without the gas?
4. Conclusion: Does air weigh anything?

Now watch: <https://www.bbc.co.uk/bitesize/clips/zhbygk7>

Topic Challenge



The Ancient Romans: To create a fact file about Boudicca.

I have included a sheet with some information to help you.

Remember to:

- Include an illustration/picture
- Try and find out an interesting fact.
- Use headings

Curriculum Challenge – for 2 weeks:

Art- Mosaics –Tessellation



Find out who Dutch Artist Escher and the Spanish Artist Gaudi were, how they used mosaics / tessellation in their work and what mediums they worked in:

<https://kids.britannica.com/kids/article/MC-Escher/477132>

[https://kids.kiddle.co/Antoni Gaud%C3%AD](https://kids.kiddle.co/Antoni_Gaud%C3%AD)

And follow the link below to create your own Escher inspired tessellation:

<http://www.mathwire.com/geometry/tessdir.pdf>

