

Thursday 16th July:

Guess what today is? It's Guinea Pig Appreciation Day! What a brilliant day!



As far as small fuzzies go, the Guinea Pig is certainly one of the world's favourites. Having been domesticated in South America for thousands of years, they're one of the longest-serving companions to humans and today are the pet of



choice for many children and adults alike. With their soft squishy bodies, cute little ears and their easy-going demeanour, if you're looking for a cuddly companion you can't go far wrong.

To keep the love of guinea pigs alive, Guinea Pig Appreciation Day celebrates everything that we love about these cutesy animals and celebrates just what it is that makes them great pets.

All our love and lots of huggles, Mrs Button and Mrs Amor.

Daily reading

Please read for at least half an hour today.

Write a list of five books that you would like to read - perhaps a friend has one of them and you could borrow it.

Daily Maths

Investigations:

Magic Square

This is a 4 x 4 Magic Square made from the numbers 1 to 16.

15	10	3	6
4	5	16	9
14	11	2	7
1	8	13	12

In a Magic Square all the rows, columns and diagonals add to the same number. This number is called the 'Magic Constant'.

Here are some questions about this Magic Square.

1. What is the Magic Constant of this Magic Square?
This particular square is especially 'magic' as some 2 x 2 squares within it also add to that number.
2. How many of these squares can you find?
3. What happens to the Magic Constant if you add 2 to each number in the square?
4. What happens if you double each number?
5. Can you make a square in which the Magic Constant is 17? How did you do it?
6. Can you make a square in which the Magic Constant is 38? How did you do it?
7. What other numbers under 100 can you make into the Magic Constant by changing all the numbers in the square in the same way?
8. Can some be made in more than one way?
9. Are there some numbers you really cannot make?

Abundant Numbers

To find the **factors** of a number, you have to find **all** the pairs of numbers that multiply together to give that number.

The factors of 48 are:

1 and 48

2 and 24

3 and 16

4 and 12

6 and 8

If we leave out the number we started with, 48, and add all the other factors, we get 76:

$$1+2+3+4+6+8+12+16+24=76$$

So 48 is called an **abundant** number because it is less than the sum of its factors (without itself). (48 is less than 76.)

See if you can find some more abundant numbers!

Light Bars:

The little lines on a calculator display can be called 'light bars'. This is how they generally look for the figures 0 through to 9:



If we had 16 light bars, we could only make certain numbers. For example:-




So, my challenge to you is to find all the numbers you can make, using 16 light bars all the time and forming the figures in the same way as I did them for 0 to 9.

When you've done a few, you may be able to think of a method or system for helping you along the way.

Daily English

Writing to Entertain - I Believe I Can



	<p>Choose one or more of the following:</p> <ul style="list-style-type: none"> • Describe the water – consider the texture, the colours, the shape, the sounds...Try to use some new vocabulary e.g. undulating, fluid • What is happening here? • Is the bird walking on the water? How? Why? • Is this bird special? Can it fly? • Do you think this is the first time the bird has walked on water? • The title is 'I Believe I Can'. If the bird doubted itself, do you think it would still be able to walk across the water? • How important is self-belief? • Have you ever 'failed' because you lacked confidence? • Have you ever succeeded because you believed you could? • What does failure feel like? What about success? • How do you overcome failure?
<p>Well-being</p>	<p>Write a list of all you achieved this year. You should feel incredibly proud of yourself. We are!</p>
<p>Problem of the Day</p>	<p>Yesterday's problem: – Black. The man in front knew he and the middle man aren't both wearing white hats or the man in the back would have known he had a black hat (since there are only two white hats). The man in front also knows the middle man didn't see him with a white hat because if he did, based on the tallest man's answer, the middle man would have known he himself was wearing a black hat. So, the man in front knows his hat must be black.</p> <p>Today's Problem: There are three crates, one with apples, one with oranges, and one with both apples and oranges mixed. Each crate is closed and labelled with one of three labels: Apples, Oranges, or Apples and Oranges. The label maker broke and labelled all of the crates incorrectly. How could you pick just one fruit from one crate to figure out what's in each crate?</p>
<p>Healthy Me</p>	<p>Houmous:</p>  <p>Have a go at making your own houmous https://www.bbcgoodfood.com/recipes/collection/houmous</p>
<p>The activities below are supplementary and can be used to further extend learning opportunities whilst at home.</p>	
<p>Home Learning</p>	<p>Please look at your Home Learning grid. Visit the school website at https://www.newbridge.bathnes.sch.uk/ and go to the tab Classes and click on your class. Please plan and complete these activities throughout the duration of the school closure.</p>
<p>Termly Spellings</p>	<p>Please take time to learn spellings for future weeks and to re-visit past spellings. These can be found on the school website at https://www.newbridge.bathnes.sch.uk/ and go to the tab Classes and click on your class.</p> <p>Also, you can learn the Year 5/6 statutory words that we have provided for you. Concentrate on the spellings that you know you find tricky.</p> <p>Remember the ways in which we practice them each week in class:</p> <ul style="list-style-type: none"> • Writing them forwards and backwards • Writing the vowels in a different colour • Write them in a pyramid shape • Look, write, cover, check • Each letter could be a different colour • You could also find out their meaning by using a dictionary. • Can you write each one in a sentence?

National Curriculum Word Lists	Look in your Reading Log and find all of the spellings for your year group. How many of these can you learn? Can you write a sentence using the words?
Curriculum Overview	<p>Take time to look at the Curriculum Overview for your year group. This can be found on the school website at https://www.newbridge.bathnes.sch.uk/ Go to the tab Key Information, go down the menu on the left hand side to Curriculum, go to Termly Overview and click on the one for your year group.</p> <p>Talk to a grown up at home and decide on an aspect you would like to find out more about. This means that when you come back to school, you will be able to share something new.</p>
Useful websites	Please see the useful websites list.

Well done for trying all of these areas of learning. Please can I ask that your parent sends a few lines in an email to let me know what you have completed today.

All Year 6 communication to go through this email:

6b@newbridge.bathnes.sch.uk

Please look out for tomorrow's learning, from Mrs Amor and Mrs Button.