



Y6 JULY NEWSLETTER

RIDGEWOOD HIGH SCHOOL



Dear Parents, Guardians and Y6 Students,

I hope that all of you are keeping well and are looking forward to a restful summer break. This has been the strangest year of my 20-year teaching career and never has teamwork and resilience been so integral to the success of our day to day and future planning. We have had to massively adjust how we do induction for Y6 students and this has given us an opportunity to reflect on what we do and why. We have felt that the personal phone calls to our Y6 parents and guardians has been crucial to us finding out key information about the young people coming to us in September. It has also helped us to start to build relationships with new parents and guardians and consolidate existing ones. Having your parent voice so early on has helped us to shape our SEN support for September and also inform teaching staff about the key strategies that you as parents and guardians feel will work to help us get the best out of your children. It has been lovely to receive the letters from our Y6 students and my tutor team have really enjoyed reading about them. We have been running virtual teams meetings with a number of primary schools and with parents and students who have requested these. It has also been fantastic to receive your children's hard work in relation to our Maths and Science challenges. Some of these are now on twitter and I know we will be putting more on before the end of term so keep them coming! If you have misplaced the previous newsletter with the challenges on I have included them in this newsletter again for your information.

The big news is we now have our online videos for induction ready to view on our website. If you go onto our website and either click the primary transition button on the main page or go onto About our School - Primary Transition - Y6 information - Online Induction you will then see a number of videos to watch. We have a 10 minute video about the school with key messages from Mrs Cope our Head Teacher alongside staff and students. There is a short clip from a student's perspective, and we have the four tutors on there with a message to their forms. We also have two further clips that will show you our intent behind our Teaching and Learning and Behaviour for Learning, Recognition and Rewards. If you have any feedback about the videos please do let me know by emailing your thoughts to primary@ridgewood.dudley.sch.uk. For our open week in September which is now very likely to be virtual we will have a number of other videos uploaded to our website that will relate to curriculum areas which you are welcome to view in September.

Letters have been sent out today to you all outlining the plans for a return to school in September alongside some key contact information, who their Form Tutor is and which House they have been assigned to. You will also receive a letter from your child's tutor so they can get an idea about who their new tutor is and their tutor group. Once they have read these they can then go onto the website to view their tutors' video message.

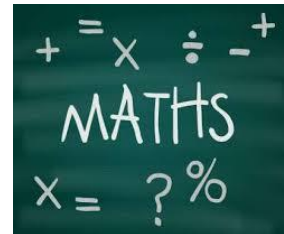
If you have any further questions please do not hesitate to contact me on the primary@ridgewood.dudley.sch.uk email and I will be happy to assist. Please have a lovely and safe summer and we look forward to welcoming you all to our school in September.

Yours Sincerely, Mrs Mather

Assistant Head - Primary Transition and Pastoral Support. Ridgewood High School



Y6 Maths Challenge!



Can you answer the set of questions below? Make sure to show all of your working out. Send your maths answers to primarymaths@rigewood.dudley.sch.uk where our maths team will mark them and respond to you. You can also tweet your answers to @Ridgewood_High if you want to. If you need any help with the questions you can ask the team by emailing them using the primarymaths@rigewood.dudley.sch.uk email. We look forward to seeing how you solve them!

Mrs Beel Faculty Leader of Maths.

CALCULATOR CRUNCH DAY 1 Don't make me LOL!

Type 707 into your calculator and turn it upside down.
Did it make you ?
How many different ways can you make your calculator laugh by getting the answer 707?
How creative can you be?

1	2		
3	4		
5	6		
7	8		
9	10		

Green – without using the 7 key
Amber – without using the 7, 0 and + keys
Red – using a mixture of operations and possibly brackets, squares and square roots

CALCULATOR CRUNCH DAY 2 Target Practice!

- Choose a starting number and a target number
- Find the number which, when multiplied by the starting number equals the target number.
- Use these numbers to start and then choose some of your own

Starting number: 15, 4, 24, 19
Target number: 255, 14, 300, 226.1
Starting number x = Target number
Keys allowed:

- What if the target number is smaller than the starting number?

CALCULATOR CRUNCH DAY 3 Order, order 2!

Work out the value of these four expressions and order them from the smallest to the largest value.

$20 \times 4 \div 2 + 20 - 30$
 $20 \times 2 \div 4 + 20 - 30$
 $20 + 4 \times 30 - 20 \div 2$
 $30 \times 2 - 20 \div 4 + 20$

- Use brackets to change the value of the four expressions
- Can you reverse the order of the four expressions so the one that had the smallest value now has the largest?
- Is there more than one way to do it?

CALCULATOR CRUNCH DAY 4 Don't be cross!

This is a game for two players

- Each player chooses a starting number
- The person with the highest number subtracts and the other adds
- Players take it in turns to add or subtract from their total
- Record the totals so you can both see them
- Make sure that the totals don't cross over

Keys allowed:

	Player 1	Player 2
Start	14	36
Turn 1	Add 4 18	Turn 1 Subtract 5 31
Turn 2	Add 10 28	Turn 2 Subtract 2 29

What next?
Pick your own starting numbers and have a go!

CALCULATOR CRUNCH DAY 5 Fascinating Fractions!

- Choose pairs of numbers from the digits 1 to 9
- Place them in the boxes to create four proper fractions
- Order your fractions from the smallest to the largest
- Can you do this without using common denominators?
- Can you make a set of equivalent fractions?

Can you order these fractions without using common denominators or a calculator?
 $\frac{5}{6}, \frac{1}{2}, \frac{7}{8}, \frac{3}{4}$

How could you use the calculator?
What is $\frac{1}{2}$ as a decimal?
Enter $1 \div 2$ into your calculator. What do you notice?

Are you using a scientific calculator?
This key allows you to change your answer from fraction to decimal.

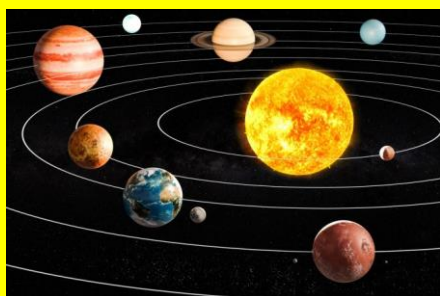
Science Challenge 1: Mad Scientist!

Practical: Making your own indicator! You will need an adult to help you.

- Chop up some red cabbage into small pieces. Place 2-3 cups of the chopped cabbage in a saucepan and cover with water.
- Bring the solution to a boil and then turn off the heat. Let it sit for about 30 minutes to cool down.
- Pour the cabbage water through a strainer into a jar or large measuring cup. The dark purple liquid in the jar is the pH indicator liquid.
- Pour the red cabbage indicator liquid into the compartments of an ice cube tray. Freeze for a couple of hours to make ice cubes.
- Fill one cup with water, one with vinegar, and one with a teaspoon of baking soda mixed with water.
- Drop a couple of indicator ice cubes into each cup. Notice how the colours change in each one.
- Compare your colours to the indicator pH scale below to see if they are acids or alkalis.
- Test other household liquids such as milk, washing up liquid, lemonade or coca cola. Which ones do you think will be acidic? Were you right?
- Tweet your findings to @Ridgewood_High**



Science Challenge 2: What is out There?



Find out the order of the planets in our solar system.

Design a mnemonic to remember their order.

Find out a key fact for each planet!

Tweet your solar mnemonic or key fact to **@Ridgewood_High**

Science Challenge 3: Noticing Our World!

How many different insects or birds can you identify in your garden or when you go out for walks?

Take a picture/draw the birds and insects that you find.

Research each one and find out an interesting fact about them.

You could design your own key to identify the animals that you find!

Tweet your facts/picture of your key/drawings to **@Ridgewood_High**



How many science challenges can you complete? Tweet your results to @ridgewood_high. If you can't use twitter you can also email us your results using the primary@ridgewood.dudley.sch.uk email. Good luck!

Mr Dunstan Faculty Leader of Science.