

Year 6 home learning grid

Non-negotiables

Reading

Reading or sharing a book everyday for 20minutes. 5 minutes of this time should be discussion with an adult.

Spellings

Spelling rules are given out on a Friday. You will need to find other spellings that follow this rule in preparation for the spelling quiz the following Friday.

Maths

You will be set weekly online mathematics homework based on learning in the classroom.

Learning opportunities

Please choose one activity each week to complete.

This half-term, all homework activities you complete must be photographed and uploaded onto Purple Mash. Any writing activities can be completed on your personal blog.

Design: Create a model/diagram of an internal organ in the body. Write a paragraph to explain the role the organ plays in human survival.

Grammar Glossary: Think of 7 grammar terms that know (e.g. determiner, noun or adverbial). Write a definition for each one, and a sentence that uses each term correctly. Highlight the example term to identify where they are in your sentences.

Review: Write a review of a book or film that you think would be suitable for our class. Remember to discuss the plot and your personal opinion with reason for these opinions. *(3/4 page, images can be included)*

Biography: Write a biography about Louis Pasteur and the medical breakthroughs that he achieved throughout his life. *(3/4 page plus images)*

Top Trumps: Create Top Trumps of at least 6 famous inventors from the past 100 years. Include a rank out of 10 for their inventions as well as their age at the time of their invention, date of birth, number of children and a legacy rating out of 10 (think about how important their invention was).

Maths: A mixed- up clock. This maths challenge is on the reverse of this homework grid. You need to follow the clues to put the numbers in the right position.

Portrait: Create a portrait of a famous inventor in the artistic style of your choice (pop art, cubist, abstract, surrealism are some examples)

Maths: All the digits. This maths challenge is on the reverse of this homework grid. You need to use all the digits once to solve the calculation. Remember that the 3 has already been used in the calculation and cannot be used again or moved.

Timeline: Create a timeline of significant events, discoveries and inventions that have happened over the last 120 years. Make sure to include at least 12 events/ discoveries/ inventions in total.

This represents the multiplication of a 4-figure number by 3.

$$\begin{array}{r} \star \star \star \star \\ \times \quad \quad \quad 3 \\ \hline \star \star \star \star \star \end{array}$$

The whole calculation uses each of the digits 0 – 9 once and once only.

The 4-figure number contains three consecutive numbers, which are not in order. The third digit is the sum of two of the consecutive numbers.

The first, third and fifth figures of the five-digit product are three consecutive numbers, again not in order. The second and fourth digits are also consecutive numbers.

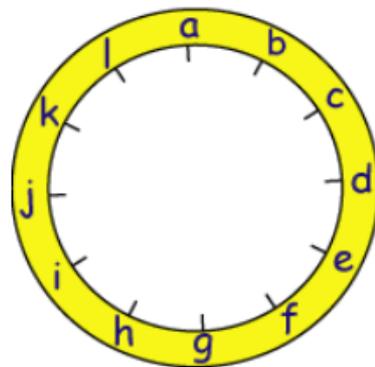
Can you replace the stars in the calculation with figures?

A Mixed-up Clock

Age 7 to 11 ★

There is a clock-face where the numbers have become all mixed up. Can you find out where all the numbers have got to from the ten statements below?

Here is a clock-face with letters to mark the position of the numbers so that the statements are easier to read and to follow.



1. No even number is between two odd numbers.
2. No consecutive numbers are next to each other.
3. The numbers on the vertical axis (a) and (g) add to 13.
4. The numbers on the horizontal axis (d) and (j) also add to 13.
5. The first set of 6 numbers [(a) - (f)] add to the same total as the second set of 6 numbers [(g) - (l)] .
6. The number at position (f) is in the correct position on the clock-face.
7. The number at position (d) is double the number at position (h).
8. There is a difference of 6 between the number at position (g) and the number preceding it (f).
9. The number at position (l) is twice the top number (a), one third of the number at position (d) and half of the number at position (e).
10. The number at position (d) is 4 times one of the numbers adjacent (next) to it.