

**Maths Work**

Maths can be as fun and practical as you wish! You could practice measuring when cooking or spot different shapes around the house! Time is something you could visit multiple times during the day or practising how to count money is also a great activity to do at home.

An excellent Maths resource is WhiteRose. This website is currently providing daily lessons which can be accessed using this link below:

<https://whiterosemaths.com/homelearning/>

In addition to this, here are some specific Year 5 targets for you to practice with your children:

**Number - number and place value**

- read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit
- count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000
- interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0
- round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000
- read Roman numerals to 1,000 (M) and recognise years written in Roman numerals

**Number - addition and subtraction**

- add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
- add and subtract numbers mentally with increasingly large numbers
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

**Number - multiplication and division**

- identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers
- know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
- establish whether a number up to 100 is prime and recall prime numbers up to 19
- multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
- divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context
- multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000
- recognise and use square numbers and cube numbers, and the notation for squared ( $^2$ ) and cubed ( $^3$ )

**Number - fractions (including decimals and percentages)**

- compare and order fractions whose denominators are all multiples of the same number
- identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths

- recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements  $> 1$  as a mixed number [for example,  $1\frac{1}{2}$ ]
- add and subtract fractions with the same denominator, and denominators that are multiples of the same number
- read and write decimal numbers as fractions [for example,  $0.71 = \frac{71}{100}$ ]
- recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- round decimals with 2 decimal places to the nearest whole number and to 1 decimal place
- read, write, order and compare numbers with up to 3 decimal places
- recognise the per cent symbol (%) and understand that per cent relates to ‘number of parts per 100’, and write percentages as a fraction with denominator 100, and as a decimal fraction

### Measurement

- convert between different units of metric measure [for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre]
- understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints
- solve problems involving converting between units of time

Year 5 will have covered the majority of these topics this year or in Year 4 as part of our Inspire programme. Further details about the learning objectives to be covered this year can be found on the National Curriculum website for Maths under Year 5:

<https://www.gov.uk/government/publications/national-curriculum-in-england-mathematics-programmes-of-study/national-curriculum-in-england-mathematics-programmes-of-study#year-5-programme-of-study>

Additional fluency websites which your children may be interested in are listed below:

Times tables Rockstars: <https://trockstars.com/>

Sumdog: <https://pages.sumdog.com/>

Classroom Secrets Learning Pack: <https://classroomsecrets.co.uk/free-home-learning-packs/>

This link is good for practicing Year 6 level questions - <https://www.khanacademy.org/math/cc-sixth-grade-math>

White Rose Maths Problem of the Day <https://whiterosemaths.com/resources/classroom-resources/problems/>

Transum Maths Starters of the Day [https://www.transum.org/Software/SW/Starter\\_of\\_the\\_day/](https://www.transum.org/Software/SW/Starter_of_the_day/)

Nrich Problem Solving <https://nrich.maths.org/9803>

## **Writing / Topic Work**

Our topic next term would have been Horrible Histories. Please use the following links to research topics related to Horrible Histories:

<http://www.horrible-histories.co.uk/>

<https://www.bbc.co.uk/iplayer/group/b00sp018>

<https://www.bbc.co.uk/bitesize/subjects/zcw76sg>

Some writing activities which you could do include:

- Create a Tudor menu including gruesome and disgusting dishes which they ate
- Write a set of instructions of how to mummify someone if you were living in Ancient Egypt
- Create a newspaper report about the Black Death plague.
- Write a diary entry about a street child who has been sent to the Work House.
- Describe the scenes at a Mayan sacrifice
- Create a newspaper report detailing a Gladiator fight in Roman times.

When writing please remember to include:

- The basics (capital letters, punctuation, correct spelling or simple words)
- Imaginative vocabulary
- Paragraphs
- Range of sentences and clauses (relative clauses, subordinate clauses)
- Please make sure your work is neat!

You are free to write about any Horrible Histories topic which you are interested in. We know the books are very popular in school and there are an abundance of resources online for you to research and write about.

### **Additional Topic Activities:**

- Joe Wicks workout –streamed live through Youtube every day at 9am.
- Keep a diary about your time at home – it could be a good way of sharing you experiences in the future!
- Science – research the life of either David Attenborough or Jane Goodall. You could write a biography, create a PowerPoint about their life or even, if you are able to, make and film your own wildlife programme in your garden.
- ICT (coding): <https://www.discoveryeducation.co.uk/what-we-offer/discovery-education-coding/>
- Do something kind everyday e.g give a compliment to someone, draw a picture / write a letter to an elderly person or a key worker. every day.
- Do something helpful every day e.g help with the washing up, make your bed, say please and thank you.

Collins Resources: <https://connect.collins.co.uk/school/teacherlogin.aspx>

- Music Express: Click on Music Express/ Year 5/ Lesson Bank – then access the videos you wish to watch
- Science: Click on Science / Teach / Year 5/ Circle of Life and Reproduction of Plants and Animals are linked to our topics this term.

USERNAME: **parent@deanwood.medway.sch.uk** Password: **P@55word** (this is the same as the Big Cat reading books)

Please note you have full access to all the resources including the Science and the Maths.

In addition to this, Hamilton are providing daily English and Maths lessons:

- [https://www.hamilton-trust.org.uk/blog/learning-home-packs/?gclid=EAIaIQobChMI6-SlkarH6AIVw4XVCh0MKwThEAAYASAAEgIg7\\_D\\_BwE](https://www.hamilton-trust.org.uk/blog/learning-home-packs/?gclid=EAIaIQobChMI6-SlkarH6AIVw4XVCh0MKwThEAAYASAAEgIg7_D_BwE)

Twinkl also has a variety of resources. You will need to sign up, but the code **CVDTWINKLHELPS** will give you free access to their resources. This website is packed with activities, however, to make it simpler they have created a specific area for work during this special period of time. To access it select the home learning tab, followed by the school closure tab. Here you will find a home routine area, health and well-being and a home learning area. These are split into Early Years (Year R), Years 1 and 2 and Year 3 to Year 6. You will find specific Maths, English, Science, craft and independent activities that the children can do.

- [www.twinkl.co.uk](http://www.twinkl.co.uk)