

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 6 targets for you to practice with your children:

Number - number and place value

- read, write, order and compare numbers up to 10,000,000 and determine the value of each digit
- round any whole number to a required degree of accuracy
- use negative numbers in context, and calculate intervals across 0

Number – addition, subtraction, multiplication and division

- multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
- divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context
- divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
- identify common factors, common multiples and prime numbers
- use their knowledge of the order of operations to carry out calculations involving the 4 operations
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Number - fractions (including decimals and percentages)

- use common factors to simplify fractions; use common multiples to express fractions in the same denomination
- compare and order fractions, including fractions >1
- add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
- multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$]
- divide proper fractions by whole numbers [for example, $\frac{1}{2} \div 2 = \frac{1}{4}$]
- associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$]
- identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places
- multiply one-digit numbers with up to 2 decimal places by whole numbers

Ratio and proportion

- solve problems involving the relative sizes of 2 quantities where missing values can be found by using integer multiplication and division facts
- solve problems involving the calculation of percentages [for example, of measures and such as 15% of 360] and the use of percentages for comparison

Measurement

- solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate
- use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places
- convert between miles and kilometres

Year 6 will have covered the majority of these topics in preparation for their SATs tests, which they will not consequently not be sitting, however it will be good to practice their Maths skills to ensure they leave for secondary school fully prepared. Further details about the learning objectives to be covered this year can be found on the National Curriculum website for Maths under Year 6: <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/

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

Writing / Topic Work

Our topic next term would have been Ancient Mayans. Please use the following links to research topics related to the Mayans and Aztecs:

<https://www.bbc.co.uk/bitesize/topics/zq6svew>

https://kids.kiddle.co/Mayan_civilization

<https://www.dkfindout.com/uk/history/mayans/>

There are also Mayan PowerPoints and worksheets available on Twinkl:

<https://www.twinkl.co.uk/resources/age-specific-resources-parents/history-main-subjects-parents/significant-eras-history-main-subjects-parents>

Some writing activities which you could do include:

- Create a fact file about the Ancient Mayan gods.
- Write a non-chronological report about chocolate (chocolate originated in Ancient Mayan time).
- Create a newspaper report about the Ancient Mayan Ballgame.
- Write a diary entry as an archaeologists who discovered Ancient Mayan ruins.
- Describe the scenes at a Mayan sacrifice
- Create a persuasive advert, advertising Mexico as a holiday destination.
- Research and write a report on famous Mayan inventions, such as the Mayan calendar.

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)
- Range of punctuation and parenthesis (semi colons, brackets)
- Please make sure your work is neat!

You are free to write about any Ancient Mayan or Aztec topic which you are interested in.

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 – we were unable to cover everything in our Science topic of Electricity and Light. Information and work can be found using these links:
<https://www.twinkl.co.uk/resources/science-main-subjects-parents/electricity-science-main-subjects-parents/electricity-year-6-ages-10-11-science-main-subjects-parents>
- <https://www.twinkl.co.uk/resources/science-main-subjects-parents/light-and-dark-science-main-subjects-parents/light-and-dark-year-6-ages-10-11-science-main-subjects-parents>
- Our next Science topic was going to be Circulation and Healthy Lifestyles. Work can be found using this link: <https://www.twinkl.co.uk/resources/science-main-subjects-parents/animals-and-humans-science-main-subjects-parents/animals-and-humans-year-6-ages-10-11-science-main-subjects-parents>
- 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 6/ Lesson Bank – then access the videos you wish to watch
- Science: Click on Science / Teach / Year 6/

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=EAJaIQobChMI6-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