



Mathematics Learning in Year 6 at St Oswald's CofE Academy



Learning at home is a wonderful opportunity to:

- Connect with your children
- See what your children are interested in
- Enjoy watching them develop their skills



You do not need to be 'good at maths' to support your children's learning. You do not need to 'do school' at home. You do not even need to have formal maths lessons.

Here are some ideas for learning at home. You don't need to try all these ideas in one session. Go at your child's pace, notice what they like and use that as your lead for any activity.

Shopping

- By encouraging children to work out the total cost or calculating the change when buying food at the shops, they can practice their calculation skills and develop an appreciation of how maths helps us in our lives. Link to decimals where possible.
- Saving money can also be a great way to develop number and calculation skills.
- They could plan something using a budget and decide what to buy and how much money to spend on each item.
- They could use catalogues and/or the internet to write a Christmas list on a budget.
- Set your child the challenge of writing a list of things that add up to £10,000,000.



Watching television

- Work out when the TV show, or movie, is going to end. Or, if you have a TV guide, calculate the length or the programme from start to finish.
- Use a stopwatch during games and sports events to measure, record and compare times in seconds.
- Calculate with time by asking and answering the question, 'What will the time be in ... minutes?'
- Compare the current time using analogue and digital clocks.



Cooking and baking

- Measure the mass of ingredients and the volume of liquids. Ratio and proportion can be used to adapt the amounts of ingredients e.g. for every 1 egg, you need 50g of flour.
- Calculating with whole numbers, in grams, and decimal numbers, in kg, when combining ingredients together. They could convert between grams and kilograms.
- Telling the time and calculating durations of time
- Children's recipes...



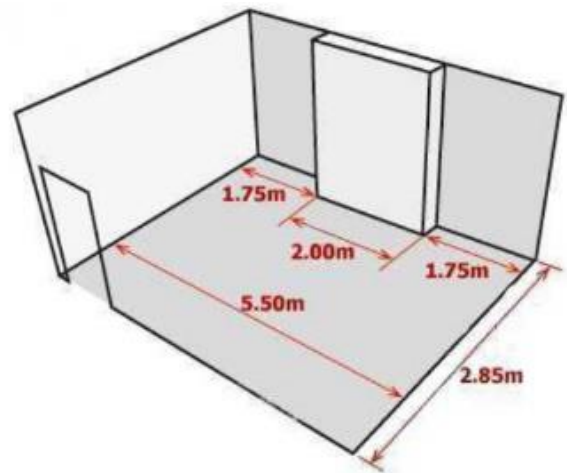
<https://www.bbcgoodfood.com/recipes/collection/kids-cooking-recipes>



- Children could compare the amount of sugar and salt in certain foods.

Other activities

- Using Youtube, they could watch videos about the size of the planets and distances of the planets and make comparisons between them.
- They could compare the number of likes on their favourite videos, research how much money people can make through likes and calculate how much someone has made so far.
- They could support you in measuring for furniture or a new carpet. They could work out the area and perimeter and convert between metres and centimetres.
- Track the length of a journey and convert between miles and kilometres.
- As part of their day, they could look for shapes in buildings and in nature, symmetry in nature and examples of angles.
- If you have a thermometer, children could take their temperature each day and compare it to the previous day.



Here are some of the fluency facts that are learnt in Year 6...

- Recapping multiplication and division facts for multiplication tables to 12×12
- If I know $3 \times 4 = 12$, then I can derive 3×0.4 is 1.2 and 3×0.04 is 0.12.
- Counting forwards and backwards in steps of powers of 10 for any given number

Here are some useful links...

- <https://www.topmarks.co.uk>
- <https://www.ttrockstars.com>
- <https://playnumbots.com>
- <https://login.mymaths.co.uk/login>