



Welcome to our Year 2 Workshop



The aims of today's session are...

- To give you an insight into what Maths is like in Year 2.
- To allow you to get a better understanding of how Maths is taught at Harlyn and how to support your child.
- To give your child a chance to show you what they have been learning.
- To allow you the chance to enjoy some time with your child.

How do we teach Maths at Harlyn?



We aim to teach the children that...

- Everyone can do maths
- Mistakes help us learn
- We value all student contributions; right or wrong
- The process of learning is the most important part
- We can use a range of mathematical strategies to work things out
- Maths is everywhere! It will help us in lots of real life situations

How do we teach Maths at Harlyn?



In Key Stages 1 & 2, Maths lessons are planned according to the National Curriculum and are underpinned by the 'five big ideas' in **Maths Mastery**. This approach supports teachers to plan and deliver lessons which teach pupils essential skills, gives them time to develop their **fluency** and **apply** their **knowledge** to practise mathematical **reasoning** and solve problems.

Five Big Ideas:



- **Coherence** - Learning is broken down into small connected steps that build upon one another
- **Representation and Structure** - Different models are used to explain mathematical concepts and show links between different areas of Maths eg. using manipulatives/drawings, using correct mathematical vocabulary and dialogue
- **Fluency** - Focus on quick and efficient recall of facts, choosing the most appropriate method
- **Variation** - Looking at a concept through different variations. Teaching is organised to make connections
- **Mathematical Thinking** - Ideas are taught to be understood deeply, thought about, reasoned with and discussed with others

In Year 2 Maths, we cover the following topics:



- Place value
- Addition and subtraction
- Multiplication and division
- Fractions
- Measurement
- Money
- Time
- Geometry - 2D and 3D shapes
- Statistics
- Word problems

Everything is linked in Maths! You cannot do addition and subtraction without place value knowledge. You cannot calculate different amounts of money without being able to add, etc.

How can you support Maths at home?



- Take away their fear.
- Reassure and praise whenever possible. Positive mindset...
- Let them see you using Maths in your everyday routines - portioning meals between the family, chopping vegetables into halves and quarters etc.
- Play with numbers and shapes through games.
- Seeing mistakes as an opportunity to learn and using them as a discussion point.
- Recognising the importance and value of Maths in our everyday lives e.g. managing money and telling the time.

How can you support Maths at home?



Children can count anything! Pennies, buttons, pasta, trees, cars, building bricks, sweets, apples - encourage them to count things wherever they are! Give them mini-tasks at the supermarket, e.g. putting 6 carrots in a bag; 3 tins of beans, etc. Remember to count backwards with them too.

Try playing number games with cards, dominos and board games - try to encourage them by joining in yourself! They could even have fun creating their own games.



Let children sort the washing! Matching and counting pairs of socks is a great way of practising odd and even numbers, counting in twos and the 2 times table and means it is one less job for you!

How can you support Maths at home?



Look at the pattern of house numbers as you walk along - are they odd or even numbers? What house number will be next?

Ask children to set the table with enough knives, forks and plates for everyone.



Food can be a very motivating way of learning their times tables and the corresponding division facts! For example, sweets can be grouped and counted, children can count the biscuits in a packet in twos as they put them in the biscuit barrel, chunks on a bar of chocolate can be counted in pairs, and so on. Pose questions such as; There are five people in our family. If we have 2 biscuits each, how many will we eat altogether? I have 15 sweets. If I share them between you and your two friends, how many will you get each?

How can you support Maths at home?



Money can also be very motivating! The real stuff is the best! Give your children a jar of coins to learn with.

- Find the biggest coin. Is it worth the most?
- Find the smallest coin. Is it worth the least?
- Put them in order of value.
- Use 2p, 5p and 10p coins to support learning the times tables.
- Calculate the cost of items.
- Calculate change.

Let your child borrow your watch.
Can you tell me when it is 2 o'clock?
Can you tell me how long it takes for us to walk from our house
to grandma's?
You can play on the computer for 30 minutes. Can you tell me
when the 30 minutes are up?
Play games like: 'What's the Time Mr Wolf'?



Websites

- **DoodleMaths** - the childrens homework is often set on here. There are plenty of different activities for your child to have a go at.
- **BBC Bitesize** - lots of information alongside short videos help to make the learning enjoyable and accessible for all children. Particularly look out for '**Guardians of Mathematica**'.
- **Top Marks (Hit the Button)** - children love this game as it helps to increase confidence through practising times tables and number bonds. Lots of different games on this website.
- **Maths Zone** - this site is jam-packed with fun ways to learn more about Maths.

