**How to help your child with maths at home**

**Maths learning can happen anywhere.   
  
Maths is all around us and problem solving is at the heart of the mastery approach**

**Look for maths problems you can solve together, making connections between what your child has been learning at school and the world around them**

**Follow a recipe:   
-work together to find out the quantities needed,   
-ask your child to weigh the ingredients,   
-discuss how you’d halve or double the recipe and discuss the ratio of ingredients.**

**Talk about the weather forecast:   
-is today’s temperature higher or lower than yesterday’s?  
 -What do the numbers mean? - what does minus mean?**

**Talk about time: -What time do we have breakfast etc -Help your child to learn to tell the time (both digital and analogue).**

**Going Shopping:**  **-talk about the cost of items and how the cost changes if you buy two items instead of one. - Let your child count out the coins when paying and discuss the change you get back.**

**-Use coins to explore addition, subtraction, multiplication and division.**

**Planning an outing:   
-discuss how long it takes to get to the park, and so work out what time you need to leave the house. -What will we need. What will it cost?  
-Encourage your child to work out the best solution based on the time and distances.   
-Discuss what shapes you see when you get there.**

**Think and talk like a mathematician**

**Mathematics language often uses common words in a new way. For example, ‘difference’, ‘right’, ‘product’, ‘table’.**

**Encourage your child to explain how they have gone about solving a problem,**

**work with them to test, prove, explain, reflect and spot patterns.**

**Questions can be powerful tools to boost your child’s thinking: ‘What do you think…?’ ‘Why …?’ ‘What will happen if…?‘Can you see a pattern between…?’ ‘What if we try…?’**

**And if you want something more formal then…**

**Number bonds:**

**-How can you make numbers to 10? (very useful when carrying out mental arithmetic or more formal addition and subtraction)  
  
-To know 3 and 6 makes 9 without having to count on fingers increases speed  
- Next, number bonds to 20 then 100.  
  
Multiplication and division facts:  
  
 Reception: counting in steps of 10s   
 Yr1: Count in steps of 2s,5s and 10s  
 Yr 2: 2, 5 and 10 times tables. Count in steps of 3   
 Yr 3: 3, 4 and 8 times tables  
 Yr4: All times tables up to 12x12  
  
Useful apps for your phone/tablet for those odd 5 minutes on the go  
-10 minutes a day times tables (Dorling Kindersley)  
-Hit the button(Top Marks) Free on PC. £2.99 on phone but worth it**

**-Old fashioned chanting and quick-fire questions in the car works just as well too but keep it light hearted**

**Finally: Keep maths fun. Respond to what your children are interested in and want to find out or do.**