

## MATHS AT HOME - Maths Information Session 29<sup>th</sup> September 2023

### Ideas for working at home - Make it FUN!

#### Maths is all around you. You are doing it all the time!

##### **Block play!**

- This has been proven to improve children's spatial awareness and early mathematical skills by at least 15%!



##### **Lots and lots of counting!**

- Counting objects in everyday life. Make sure children count each object one at a time without skipping.
- Counting by rote in 1s, 10s, 5s, 2s then 100s, moving on to 3s in Year 2.
- Using counting and counting on skills in board games, e.g. snakes and ladders. Many children find it difficult knowing which square to start counting from when playing games. This will support them in their use of number tracks and lines in Year 1.
- Other games such as dominoes. This game supports subitising - knowing how many without counting.
- Subitising small numbers of objects: knowing how many there are of something without counting.
- Recognise numbers in the environment. What about reading house numbers?

##### **Calculations**

- Any game where you need to add numbers to score.
- Everyday life addition and subtraction:
  - How many beans on your plate? I'm going to give you 4 more. How many now?
  - You have 5 sausages on your plate. How many will you have if you eat 2 of them?
- In Year 2 children will start learning times tables (10, 5, 2). This is something they could recite on a journey
- Add coins!

##### **Money**

- Children have to work with money in maths, even though we don't very often use cash in our own lives these days!

- Have some coins around the house for counting. Give children your low value coins!
- Children need to know the difference between the coins available and their values. If there isn't a 3p coin, how do you make 3p?
- They need to be able to count them in 1s, 2s, 5s, 10s, 20s etc.
- They will start learning to combine coins in Year 1 using counting on techniques and then learn it.
- They will also be working with paper money in school (photocopied!)
- By Year 2 they need to understand the concept of giving change so let them see this in action at the shops.
- Working with money is brilliant for children's mental maths skills!

### **Other measures**

- Cooking and baking are fantastic opportunities to work on everyday maths. Children need to experience different units of measure in practice. Let them "help" whenever you can. Show them how to measure using scales or balance as well as using spoons. For example, 100g of flour or 4 tablespoons of sugar.
- DIY - children gain lots of experience if they can watch or join in with the measuring up of resources for making things. Let them see you measuring up for new carpets, tiles and curtains etc.
- TELLING THE TIME. This is a BIG one! At home you will hopefully have both analogue and digital clocks. Having a toy clock or practical time book will allow your child to set a clock at different times. Talking about time and the passing of time is a real bonus for your children.
- When do things happen in your family? Talk about time for breakfast, tea, bath, bed etc.
- Children in Year 1 need to be able to read an analogue clock to the hour and half past and will start learning about digital time.
- Children in Year 2 will learn about quarter past and quarter to the hour and then about the 5-minute intervals. They learn this as analogue time and digital.

### **Shape and space**

- Point out different 2D shapes in the environment.
- Talk about the 3D shapes in the environment.
- Make patterns in colours and objects: red lego brick, yellow lego brick, red lego brick, yellow lego brick. Carrot, bean, carrot, bean, carrot, bean.
- Construction toys, especially those that are for making 3D shapes are excellent for maths, general spatial awareness and fine motor skills.