

Hazelwood Schools

Maths at Home Ideas



Here are some simple ideas that you can do with your child at home to help develop their mathematical skills. All of these activities can be adapted for your child. For example, work on numbers 1 – 3, then extend to 5 and then 10 when they become more confident. Children always enjoy sharing what they do at home with their teachers and peers so please upload any pictures or videos or your child's work onto Tapestry.

Three Things to Remember When Enjoying Maths at Home

1. **Look Out! Maths is everywhere.** Cooking, shopping, packing things into bags and boxes, planning a journey... even the buildings all around you. The more you look, the more you will see.
2. **Being wrong is OK.** Encourage your child not to feel bad about making mistakes – it is all part of their learning. If your child gets to the wrong answer, then talk about it and then work it out together.
3. **Questions are Key.** To further develop a child's understanding, we ask them to explain their answers. Questions to ask your child:
 - “How did you find out?”
 - “Why do you think that?”
 - “How do you know this?”
 - “Can you show me?”
 - “How do you prove this?”
 - “Is there another way to solve this problem?”

Home Maths Activities

- **Baking** – Measuring ingredients.
- **Beat the clock** – Set a timer for a minute (or half a minute) and count how many actions the child can do in that time, such as star jumps, hops, or writing their name. These actions could be recorded in a tally to compare results.
- **Board Games** – These games develop skills such as subitising and counting on.
- **Can you Build This?** – Make a simple construction with a few blocks or pieces of Lego and challenge the child to copy it with the same pieces or from a selection. Use more pieces to increase the challenge.
- **Hide the Teddy** – Hide a teddy/toy from your child. Encourage your child to use the appropriate language to describe positions such as – over/under, in/on, in front/behind when describing where they found the teddy/toy.

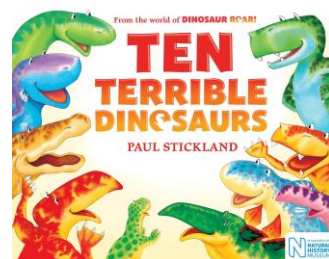
- **Higher or Lower** – Using cards to guess if the next card will be higher or lower than the previous card.
- **Junk Modelling** – Use your recycling to make models. Can your child identify the shapes they have used?
- **Measuring** – Measure objects around the home and order them.
- **Measuring** – Measure the heights of different family members. Who is the tallest? Who is the shortest? You can measure each other using your child's footsteps.
- **Measuring Length** - Provide an assortment of all kinds of tubes, for example from the insides of wrapping paper, kitchen rolls, new tubes for hamsters/guinea pigs, straws, large ones from carpets etc. for your child to order from longest to shortest.
- **Number Book** – Ask your child to collect four (or whichever number is appropriate) of a range of objects both indoors and outdoors, for example, they may choose four leaves, four stones, four play figures. Invite them to create their own book 'My Book of 4', by sticking these objects into a plain-paged book, where appropriate, or by sticking in photos of the objects.
- **Number Hunt** – Can your child find all the numbers to 5 or 10 around your home?
- **Painting** - On the face of it, there might not seem to be much overlap between art and maths, but getting the paints and pens out can be a good opportunity to talk to your child about maths concepts. Colouring pictures with geometric patterns, or painting butterflies are good opportunities to use mathematical language around shapes and symmetry.
- **Pairs** – Either matching pictures or numeral to quantity.
- **Pattern** – Collect objects from a walk outdoors or from around your home. Can your child make a repeating pattern using their chosen objects?
- **Number Rhymes** – Singing rhymes such as 5 Little Ducks and 10 Green Bottles. You can act these out with masks, puppets or items around your home.
- **Shape Hunt** – Explore the 2D or 3D shapes around your home.
- **Snap** – Matching pictures or numerals.
- **Sorting** – Collect a variety of objects around the room such as clothes, toys or money for your child to sort.
- **Subitise** – Roll the dice, can your child identify the number it lands on without counting.

Useful Books

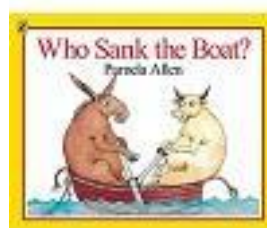
Videos of these story books can also be found on YouTube.

Age 3 to 5

Ten Terrible Dinosaurs – Paul Stickland

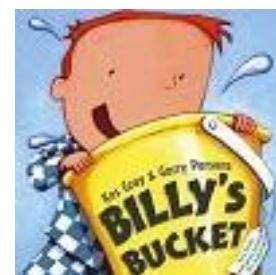


Who Sank the Boat? – Pamela Allen



Kipper's Toybox – Mick Inkpen

Billy's Bucket – Kes Gray

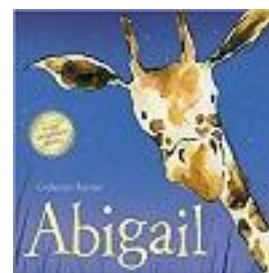


Dog's Colourful Day – Emma Dodd

The Very Hungry Caterpillar – Eric Carle

Ten in the Bed: A Counting Book – David Ellwand

Abigail – Catherine Rayner

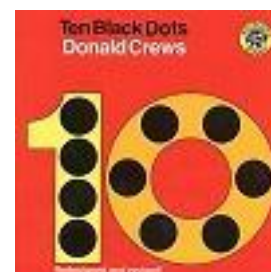


Ten Black Dots – Donald Crews

Handa's Hen – Eileen Browne

One Gorilla: A Counting Book – Anthony Browne

I Spy Numbers – Jean Marzollo and Walter Wick

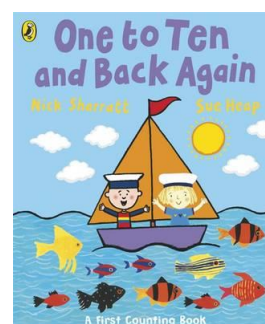


Ten Little Robots/Princesses/Superheroes/Unicorns – Mike Brownlow

Ten Little Fingers and Ten Little Toes – Mem Fox and Helen Oxenbury

One to Ten and Back Again – Nick Sharratt and Sue Heap

Handa's Surprise – Eileen Browne



Mouse Count – Ellen Stoll Walsh

We All Went on Safari – Laurie Krebs and Julia Cairns

My Granny Went to Market – Stella Blackstone

Age 3 to 7

The Great Pet Sale – Mick Inkpen

How Big Is a Million? – Anna Milbourne and Serena Riglietti

One Is a Snail, Ten Is a Crab - April Pulley

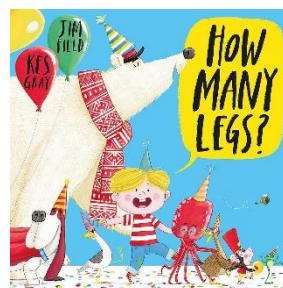
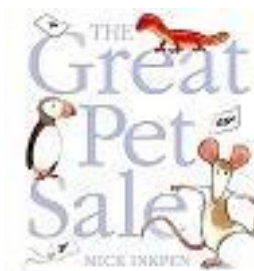
10 Apples Up On Top – Dr. Seuss

The Doorbell Rang – Pat Hutchins

Pete the Cat and His Four Groovy Buttons – Eric Litwin

The Shopping Basket – John Birmingham

How Many Legs – Kes Gray



Useful Websites

These websites provide further activities for you to complete with your child at home and videos for your child to watch.

BBC Bitesize - <https://www.bbc.co.uk/bitesize/primary>

Home Maths Activities for Ages 3 - 5 - <https://nrich.maths.org/14588>

Home Maths Activities for Ages 5 - 7 - <https://nrich.maths.org/14579>

Maths Shed – Sesame Street -

http://www.mathematicshed.com/uploads/1/2/5/7/12572836/gug_eng_mathiseverywhere_educatorsguide.pdf

NCTEM – Numberblocks Resources - <https://www.ncetm.org.uk/classroom-resources/ey-numberblocks-at-home/>

NRICH Maths - <https://nrich.maths.org/parents>

Youtube – Numberblocks & Jack Hartman

White Rose Maths – 1 Minute App

White Rose Maths Resources - <https://whiterosemaths.com/resources?year=early-years>

