# Useful Websites and Apps

Math Playground
Give your Brain a Workout

Bitesize

MATHSFRAME.CO.UK

Topmarks


***Only access the Reception*** *games and resources.*



LOVE God • LOVE Neighbour • LOVE Self

RECEPTION

# My Maths Booklet

At St Chad's, key mathematical skills are a shared priority and responsibility between home and school. It is essential children master these key skills in order to access maths teaching in school. At St Chad's, we follow the 'White Rose' scheme for teaching maths. Children spend longer on a strand of maths to ensure knowledge and understanding is embedded.

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Autumn | Getting to know you (Take this time to play and get to know the children!) | | | Just like me! | | | It's me 1, 2, 3! | | | Light and Dark | | |
| Spring | Alive in 5! | | | Growing 6, 7, 8 | | | Building 9 and 10 | | | Consolidation | | |
| Summer | On the move | | | Superhero to 20 and beyond | | | First, then, now | | | Find my pattern | | |

**In this booklet, you will find all of the key mathematical skills your child needs to know by the end of their Reception year.**

We have produced this booklet to help you support your child's maths at home. Please work through the booklet regularly with your child. A 'little and often approach' will help your child lots: 10-15 minutes, 5 times a week, will make such a difference to your child's learning.

If you need any help with supporting your child's maths at home, please speak with your child's class teacher.


The only way to learn **mathematics** is to do **mathematics**.

PAUL HALMOS

# Maths in the Home

Maths is all around us. It can be found almost anywhere and is a key element of helping children understand the world around them. Here are a few ways to talk about maths in your home:

Talking to your child about maths when they are playing.
How many …..can you see?
Which one is bigger/ smaller?

Counting when going up and down the stairs.

Regular counting helps children count reliably.

Baking is a fantastic way of introducing mathematical vocabulary to children.

Matching pairs of socks.
Sorting socks into equal groups.
Counting.

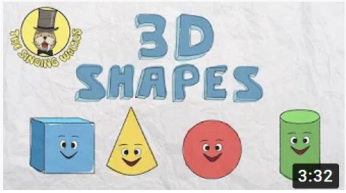


# Useful YouTube Videos.

Below are a number of different videos that can be found for free on YouTube. Singing helps children to remember facts.


Numbers Song Let's Count 1-10 New Version
**Dream English Kids** 18M views • 8 years ago
Learn to **count** from 1 to **10** in this fun song for kids. Free Kids Song Downloads visit: http://www.dreamenglish.com Song by Matt ...


Let's Count to 20 Song For Kids
**Dream English Kids** 21M views • 7 years ago
Let's sing and **count** to 20 in this fun children's song! Purchase this video to view offline Mac or Windows click here: Original song ...




3D Shapes Song | Shapes for kids | The Singing Walrus
**The Singing Walrus - English Songs For Kids** 9.4M views • 4 years ago
Watch all of our videos ad free with our app (desktop, apple, or android): https://www.thesingingwalrus.tv/ Only $4.99 USD per ...
Subtitles

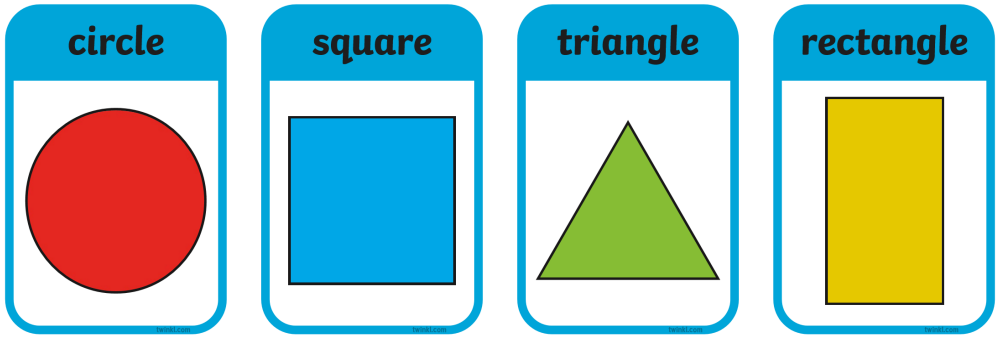

Learn about Shapes with Elly - Learning is Fun for Children With KidsCamp
**KidsCamp - Education** • 23M views • 6 years ago
KidsCamp presents its compilation video, including one of the most loved classic nursery rhyme songs, So come along kids and ...

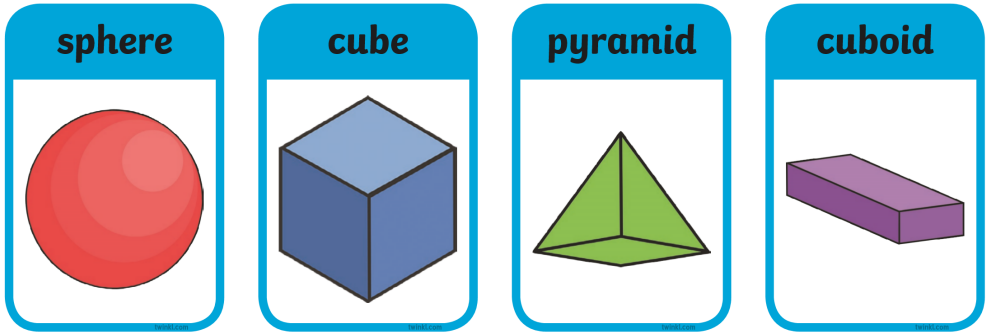
Another extremely useful online resource is:
**Numberblocks**. This can be found on CBeebies.

## Shapes

Children in Reception need to name a variety of 2D (flat) and 3D (fat) shapes.

They should practise saying the name of the shapes below and also look for these shapes in the environment.




**Encourage your child to say what shape different objects are around your home, and out and about.**

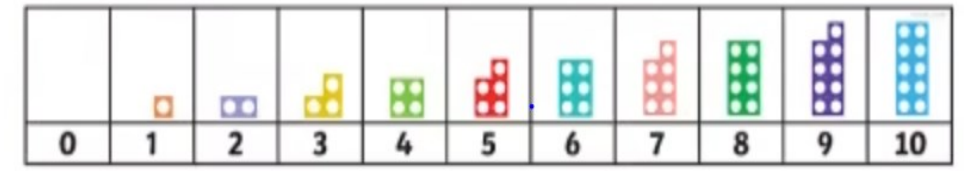
"What shape is our door?" …."A rectangle."



## Counting to 10

Children need to be able to count from 0 to 10 confidently and accurately.

Ask your child to point at each number and say the number name as they point.




## Numicon

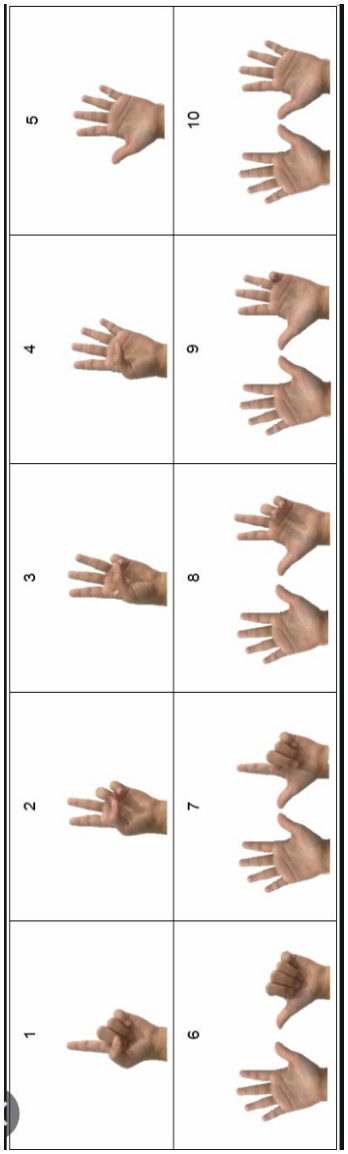
In school, we use Numicon to help show mathematical concepts. Numicon is a set of colourful shapes that represent each number to 10. There is no shape for 0 as children need to know 0 means nothing.

Point to a piece of Numicon below and ask your child to say which number it represents. Eventually, they should 'just know' rather than count the dots.

## Automatically showing a number using our fingers

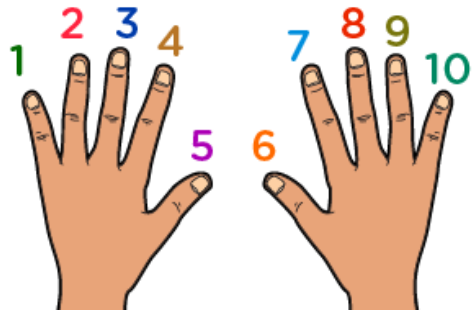
Children should be able to show numbers 0 to 10 on their fingers automatically.

For example, if you ask: “show me 3 fingers”, your child should automatically put up 3 fingers.




This is a game that can be played little and often.

The more this is practised and modelled (e.g. show your child 3 on your fingers) the quicker they will be able to do it automatically themselves.






## Days of the Week

Children need to know that there are 7 days in a week, and the name of each day.

When talking to your child it is useful to talk about the name of the day. For example, “On Monday you go to school.”

**Sunday**

**Monday**

**Tuesday**

**Wednesday**

**Friday**

**Saturday**

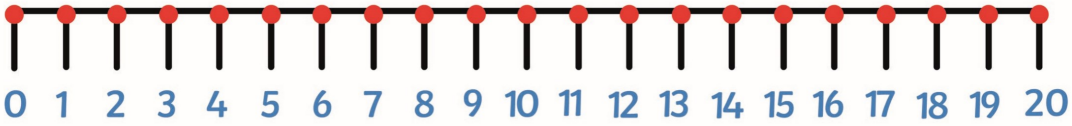

There is a great video on YouTube that helps children learn the days of the week through song.

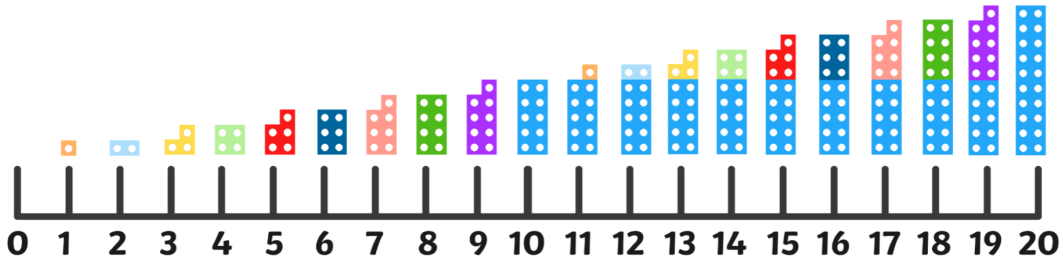
**Naming days of the week is something that can be done daily.**

## Counting to 20

Once children have mastered counting to 10, they move onto counting up to 20.

Children can use a number line to do this.





Check that children say thirteen, fourteen, fifteen etc. correctly.

A common misconception is saying thirty, forty, fifty etc. instead.

**This is extremely important to ensure they are counting accurately.**

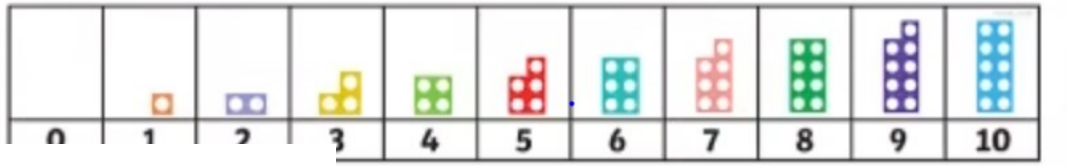


## Moving along a number track

Once children are able to rote count to 10 (*say the numbers 0 to 10 in order*) they move onto using a number track.

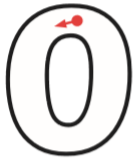
**What does your child need to know?**

- Each section is one number.
- We do not always have to start at 0 (for example, 5, 6, 7).
- As we move along the number track the numbers get bigger.
- If we start at 10 and count backwards the numbers get smaller.




——-> as we move along the number track the numbers get bigger.

# Number Formation 0 to 10 with Rhymes



Around to my left to find my hero, back to the top, I've made a zero.

A downward stroke, my that's fun. Now I've made the number one.

Half a heart says "I love you." Add a line. Now I've made the number two.

Around the tree, around the tree, now I've made the number three.

Down and across and down once more, now I've made the number four.

Draw the hat, the back and the belly. It's a five. Watch out, it might come alive!

Bend down low to pick up sticks. Now I've made the number six.

Across the sky and down from heaven. Now I've made the number seven.

Make an "S" and close the gate. Now you've made the number eight.

Make an oval and a line. Now I've made the number nine.

A downward stroke, that's my one. Add a zero, that's my number ten done!

## Showing numbers 0 - 10 in objects

Children need to be able to match a numeral with the correct amount. This can be done with objects in and around the home e.g. socks, spoons, toys.