

Maths in Key Stage 1



Aims of Session

- Help to familiarise with national expectations for Maths in KS1
- Look at modelling strategies used in class to support learning
- Think about how you can help at home
- Time for questions and queries

Key Focuses of Curriculum

The principal focus of mathematics teaching in key stage 1 is to ensure that pupils develop confidence and mental fluency with whole numbers, counting and place value. This should involve working with numerals, words and the four operations, including with practical resources [for example, concrete objects and measuring tools].

At this stage, pupils should develop their ability to recognise, describe, draw, compare and sort different shapes and use the related vocabulary. Teaching should also involve using a range of measures to describe and compare different quantities such as length, mass, capacity/volume, time and money.

By the end of year 2, pupils should know the number bonds to 20 and be precise in using and understanding place value. An emphasis on practice at this early stage will aid fluency.

Mental Arithmetic

- Number bonds
- Counting forwards and backwards in a variety of steps
- 1:1 number correspondence
- Confident recall and ability to use number bonds
- Doubles and halves
- Multiplication facts (2, 5, 10)
- Telling the time (o'clock/half past/quarter past/to)
- Coin recognition
- Fractions (whole, half, quarter, three-quarters)

How to help at home

Make Mathematics purposeful

- Number bonds

https://www.youtube.com/watch?v=_Ac-1mZv4cY

https://www.mathplayground.com/number_bonds_10.html

<http://www.snappymaths.com/addition/make10/interactive/make10totc.htm>

- Multiplication facts (2,5,10)

TTRockstars aids rapid recall of multiplication tables, encouraging children to use this will aid there future learning

<https://trockstars.com/>

How to help at home

Make Mathematics purposeful

- Coin recognition

Pocket money, playing shop (plastic coins), paying with cash in shops.

- Number recognition

Weighing/measuring when cooking and making, reading numbers when out and about

- Time

Telling the time on a clock/watch and encouraging child to

Written calculation

- Addition
- Subtraction
- Multiplication
- Division

Ways to help at home

Addition

Make it practical by combining two groups of objects and counting



Number line with numbers



Number line - empty



Place value - partitioning the number on number line



Place-value - partitoning and calculating mentally

Ways to help at home

Subtraction

Emphasis is on taking away to begin with and other vocabulary introduced



Number line with numbers - counting back from the first number in the sentence



Find the difference



Counting on



Bridging on

Ways to help at home

Multiplication

Combining equal groups (3 friends with 3 sweets)



Lots of practical experience



Begin to record as repeated addition (counters)



Arrays - Commutative rule (change calculation)

Ways to help at home

Division

Sharing and grouping



Repeated subtraction



Arrays



Inverse of multiplication

Questions?