



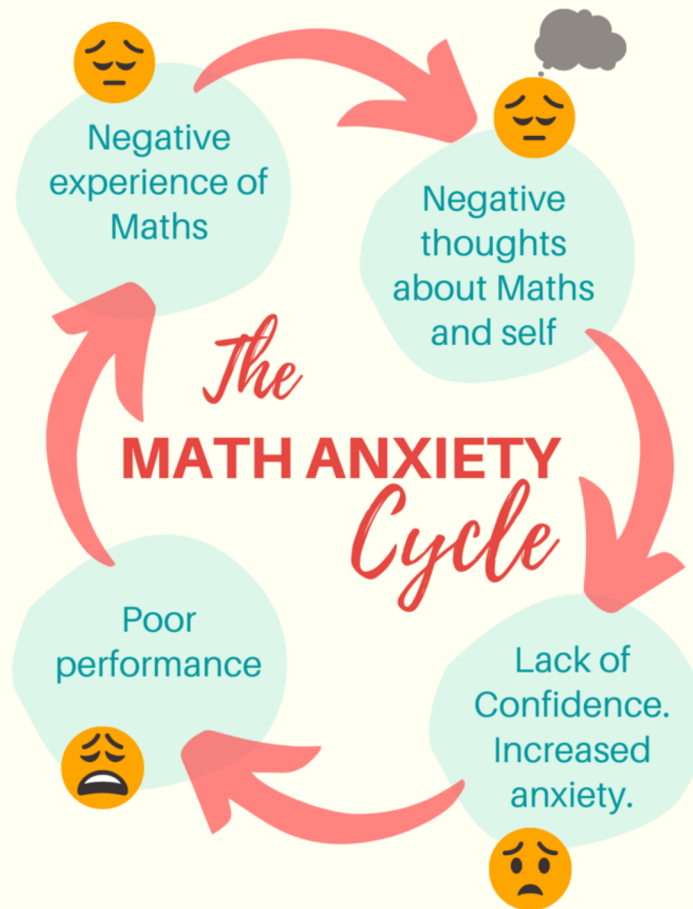
English Martyrs Catholic Primary School



The Primary School Maths Journey

Parents' Beliefs about Maths Change Their Children's Achievement...

Spend a few moments: What was your experience of teaching maths at home during lockdown?



Year 1 and 2: Number Objectives

Year 1

- count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s
- given a number, identify 1 more and 1 less
- identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
- read and write numbers from 1 to 20 in numerals and words

Year 2

- count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward
- recognise the place value of each digit in a two-digit number (10s, 1s)
- identify, represent and estimate numbers using different representations, including the number line
- compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs
- read and write numbers to at least 100 in numerals and in words
- use place value and number facts to solve problems

Year 1

Addition and Subtraction

- read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs
- represent and use number bonds and related subtraction facts within 20
- add and subtract one-digit and two-digit numbers to 20, including 0
- solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$

Year 2

- solve problems with addition and subtraction:
 - a. using concrete objects and pictorial representations, including those involving numbers, quantities and measures
 - b. applying their increasing knowledge of mental and written methods
- recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- add and subtract numbers using concrete objects, pictorial representations, and mentally, including:
 - a. a two-digit number and 1s
 - b. a two-digit number and 10s
 - c. 2 two-digit numbers
 - d. adding 3 one-digit numbers
- show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot
- recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve

Year 1 Multiplication and Division

- count in 2s, 5s and 10's
- solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher

Year 2

- recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
- calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) signs
- show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot
- solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts

CONCRETE

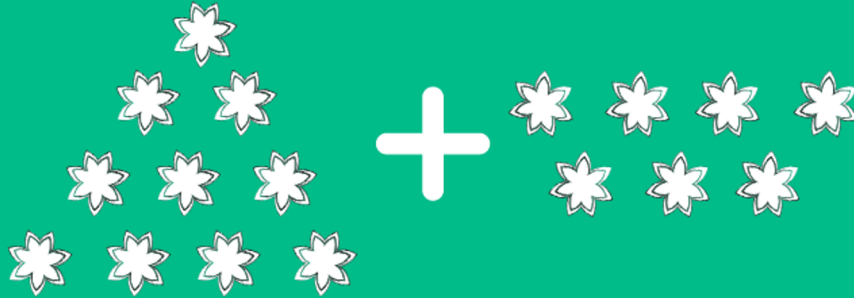


Children might begin by
handling real objects...



...then using physical
representations of them.

PICTORIAL



Drawings act as a bridge between the concrete objects children have been using and the abstract symbols they must learn to use.

Finally, children learn to use abstract symbols to solve problems.

$$10 + 7 = 17$$

What ensures success in Year 6?

Year 6 Maths is not easy!

- Enjoy maths
- Rapid recall of times tables up to 12
- Fluency in four operations
- High level of reading comprehension
- Problem solving skills
- Vocabulary, vocabulary, vocabulary!

Together, we can help your children achieve

