Maths Mania Overview

Maths Mania forms part of our mathematics curriculum and specifically focuses on the development of mental calculation skills through the rapid recall of mathematical facts. As part of Maths Mania, all children will be required to learn, by heart, key 'maths facts' which they can recall quickly and accurately.

The accurate recall of key mathematical facts supports children's ability to calculate fluently. This is particularly useful when children are adding, subtracting, multiplying or dividing. The learning of mathematical facts requires constant practice and rehearsal.

What is Maths Mania?

Each half-term, children will have a set of mathematical facts to learn - these facts have been organised into three categories: bonds / number, multiplication and fractions, decimals and percentages (FDP). The facts children are required to learn are detailed in the 'objectives overview' document and are organised by Key Phase.

Throughout each half-term, children will practise these facts at the start of maths lessons and through their participation in Maths Mania challenges on Frog Play. They will be set three Maths Mania challenges on Frog Play - one for each strand of the overview. The challenges have been created in Frog Play and class teachers should assign the challenges to their class at the start of each half-term. Class teachers should monitor engagement with these challenges and ensure all learners are given weekly opportunities to try the challenges. At the end of each half-term, children will receive a certificate of achievement for their participation in these challenges (showing their % score for each strand). In addition, each half-term, each class will nominate maths champions from their class to win one of the following awards.

- Times Tables Champion: for excellent times tables recall.
- Human Calculator: for consistent accuracy in the recall of these facts.
- Hero of the Hours: for putting in the practice and not giving up!

The ultimate aim is for children to be able to recall these facts instantly!

Maths Mania Objectives Overview:

FS	A1	A2	SP1	SP2	SU1	SU2
Bonds	Bonds to 10	Bonds to 10	Bonds to 20	Bonds to 20	Bonds - Multiples of 10 to 100	Bonds - Multiples of 10 to 100
Multiplication	x2	x2 x10	x2 x5 x10	x2 x5 x10	X2 x5 x10 x3	X2 x5 x10 x3
FDP	Double 10	Half 10	Double 20	Half 20	Double - multiples of 10 to 100	Double - multiples of 10 to 100

KS1	A1	A2	SP1	SP2	SU1	SU2
Bonds	Bonds to 20	Bonds to 20	Bonds - Multiples of 10 to 100	Bonds - Multiples of 10 to 100	Bonds - Multiples of 100 to 1000	Bonds - Multiples of 100 to 1000
Multiplication	x2 x5 x10 x3 x6	x2 x5 x10 x4 x8	x2 x5 x10 x3 x6 x4 x8	x2 x5 x10 x3 x6 x4 x8 x7	x2 x5 x10 x3 x6 x4 x8 x11	x2 x5 x10 x3 x6 x4 x8 x11
FDP	Double / half 20	Double / half 20	Double / half - multiples of 10 to 100	Double / half - multiples of 10 to 100	Double / half - multiples of 100 to 1000	Double / half - multiples of 100 to 1000

LKS2	A1	A2	SP1	SP2	SU1	SU2
Number	Bonds - Bonds to 10 Multiples of 10 to 100	Bonds - Multiples of 100 to 1000	Bonds to 1 (1dp)	Rounding - 10	Rounding - 100	Rounding - 1000
Multiplication	x2 x5 x10 x3 x6 x4 x8 x11 x7	x2 x5 x10 x3 x6 x4 x8 x11 x7	x2 x5 x10 x3 x6 x4 x8 x11 x7 x9	x2 x5 x10 x3 x6 x4 x8 x11 x7 x9	x2 x5 x10 x3 x6 x4 x8 x11 x7 x9 x12	x2 x5 x10 x3 x6 x4 x8 x11 x7 x9 x12
FDP	Double / half: 1 - 10 (m) 10 to 100	Double / half: 1 - 10 (m) 10 to 100	Double / half - multiples of 100 to 1000	Double / half - multiples of 100 to 1000	Equivalent FDP: 0.25 / 0.5 / 0.75 / 1	Equivalent FDP: 0.25 / 0.5 / 0.75 / 1

UKS2	A1	A2	SP1	SP2	SU1	SU2
Number	Rounding: 10 / 100 / 1000	Rounding: to 1,000,000	Prime Numbers 101	Prime Numbers 101	Equivalents: measures	Equivalents: measures
Multiplication	x2 x5 x10 x3 x6 x4 x8 x11 x7 x9 x12	x2 x5 x10 x3 x6 x4 x8 x11 x7 x9 x12	Square numbers to 12	Square numbers to 12	x2 x5 x10 x3 x6 x4 x8 x11 x7 x9 x12	x2 x5 x10 x3 x6 x4 x8 x11 x7 x9 x12
FDP	Equivalent FDP - Quarters / Thirds	Equivalent FDP - Quarters / Thirds	Equivalent FDP - TENTHS	Equivalent FDP - TENTHS	Equivalent FDP - Quarters, Thirds and Tenths	Equivalent FDP - Quarters, Thirds and Tenths