Foundational Fluency progression document

Northstead School

In EYFS, year 1, 2, 3 and 4, foundational fluency lessons are 10 minutes – daily, additional to daily mathematics lessons. Their purpose is to develop language, recall and understanding of number.

In year 5 and 6 fluency sessions are once a week for 30 minutes, additional to daily maths lessons. Their purpose is to develop arithmetic skills.

EYFS

(Mastering Number Programme)

- Compare objects and numbers (equal, unequal)
- Develop conceptual subitising skills
- More than and Less than within 10
- Explore doubles using a tens frame
- join in with verbal counts beyond 20

Year 1

(Mastering Number Programme)

- Adding 1 (e.g. 7 + 1 and 1 + 7)
- Doubles of numbers to 5 (e.g. 4 + 4)
- Adding 2 (e.g. 4 + 2 and 2 + 4)
- Number bonds to 10 (e.g. 8 + 2 and 2 + 8)
- Adding 0 to a number (e.g. 3 + 0 and 0 + 3)
- Understand odd and even numbers
- Compare numbers within 20

Year 2

(Mastering Number Programme)

- Consolidate Year 1 foundational fluency
- Adding 10 to a number (e.g. 5 + 10 and 10 + 5)
- Near doubles (e.g. 3 + 4 and 4 + 3)
- The ones without a family! (5 + 3, 3 + 5, 6 + 3, 3 + 6)
- Calculate within 20

Year 3

(Additive fact booklets & Number Sense - Times Tables)

- Secure fluency in double facts.
- Secure fluency in addition and subtraction facts to and that bridge 10, through continued practice.
- Recall multiplication facts, and corresponding division facts, in the 2, 5 and 10 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.
- Recall and understand square numbers

Year 4

(Number Sense - Times Tables)

- Recall multiplication facts, and corresponding division facts, up to the 12 times table, and recognise products in these multiplication tables as multiples of the corresponding number.
- Recall multiplication and division facts up to 12×12, and recognise products in multiplication tables as multiples of the corresponding number.

Year 5

- Recall multiplication and division facts up to 12×12, and recognise products in multiplication tables as multiples of the corresponding number.
- Use multiplicative facts to find derived facts in multiples of 10 such as 70 x3, 210 ÷ 3, 60 x 40
- Use additive facts to find bonds within 1
- Multiply and divide whole numbers and decimals by 10, 100, 1000
- Calculate using formal written methods
- Calculate using decimals
- Recall decimal fraction equivalents for 1/2, 1/4, 1/5 and 1/10, and for multiples of these proper fractions.

Year 6

- Recall multiplication and division facts up to 12×12, and recognise products in multiplication tables as multiples of the corresponding number.
- Use a given additive or multiplicative calculation to derive or complete a related calculation, using arithmetic properties, inverse relationships, and place-value understanding.
- Use additive facts to find bonds within 1, 0.1
- Calculate using formal written methods, including decimals
- Calculate using decimals, fractions, percentages