EAST PARK PRIMARY SCHOOL

Respect, grow, believe & achieve together

KICKSTART KNOWLEDGE

Termly overview for Daily Counting, NCETM booklets and Arithmetic

Horizon Academy Trust

East Park Primary - Yearly overview for facts to be learnt / rehearsed

For every table and addition fact make sure that the children can express it every possible way round with its linked subtraction/ division fact – MAKE CONNECTIONS.

Recite forwards and backwards, with answers first and last in each sequence i.e. 24 divided by 4 = 6, 6 divided by 4, 4 =24 divided by 6

Adding 1 and 2 | Bonds to 10 | Adding 10 | Bridging/ compensating

Doubles | Adding 0 | Near doubles

Y1 facts, Y2 facts

+	0	1	2	3	4	5	6	7	8	9	10
0	0 + 0	0 + 1	0 + 2	0 + 3	0 + 4	0 + 5	0 + 6	0 + 7	0 + 8	0 + 9	0 + 10
1	1 + 0	1 + 1	1 + 2	1 + 3	1 + 4	1 + 5	1 + 6	1 + 7	1 + 8	1 + 9	1 + 10
2	2 + 0	2 + 1	2 + 2	2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8	2 + 9	2 + 10
3	3 + 0	3 + 1	3 + 2	3 + 3	3 + 4	3 + 5	3 + 6	3 + 7	3 + 8	3 + 9	3 + 10
4	4 + 0	4 + 1	4 + 2	4 + 3	4 + 4	4 + 5	4 + 6	4 + 7	4 + 8	4 + 9	4 + 10
5	5 + 0	5 + 1	5 + 2	5 + 3	5 + 4	5 + 5	5 + 6	5 + 7	5 + 8	5 + 9	5 + 10
6	6 + 0	6 + 1	6 + 2	6 + 3	6 + 4	6 + 5	6 + 6	6 + 7	6 + 8	6 + 9	6 + 10
7	7 + 0	7 + 1	7 + 2	7 + 3	7 + 4	7 + 5	7 + 6	7 + 7	7 + 8	7 + 9	7 + 10
8	8 + 0	8 + 1	8 + 2	8 + 3	8 + 4	8 + 5	8 + 6	8 + 7	8 + 8	8 + 9	8 + 10
9	9 + 0	9 + 1	9 + 2	9 + 3	9 + 4	9 + 5	9 + 6	9 + 7	9 + 8	9 + 9	9 + 10
10	10 + 0	10 + 1	10 + 2	10 + 3	10 + 4	10 + 5	10 + 6	10 + 7	10 + 8	10 + 9	10 + 10

There are 121 addition facts to learn by the end of Key Stage 1.
In Year 1 there are 87 facts to learn.
In Year 2 there are 34 facts to learn.

Multiplication Tables to be learnt in KS2

Year group	Multiplication tables to be learnt and rehearsed.
2	X2 x5 x10
3	X3 x4 x8 (including consolidation of those from year 2)
4	X6 x7 x9 x11 x12 (including consolidation from years 2 and 3)
5	Revision of all facts
6	Revision of all facts

Year Group	Autumn	Spring	Summer
EYFS	Recite the number names in order to 10 and beyond. Begin to know the days of the week. 1 more 1 less to 5 Subitising 1-3 objects	1 more 1 less to 10 Recognise numerals 0-10 Partition objects to 5 into two groups. Recognising and building number bonds on a 5 frame.	1 more 1 less to 10 Counting forwards and backwards up to 20.
Year 1	**Daily Counting activities:** • Recite the number names to 50 and beyond. • Counting in multiples of 1 and 2 **NCETM Booklet:** • Adding 1 to numbers 0 -10 (Booklet 1) • Doubles of numbers to 5 (Booklet 2) **Facts to be learnt (Arithmetic Focus):** ***Adding 1*** 1+1 2+1 and 1+ 2 (both ways round) up to 8+1 and 1+8 ***Doubles of numbers to 5:*** 1+ 1=2 1 doubled is 2 2+2 = 4 2 doubled is 4 etc	**Daily Counting activities:** • Counting in multiples of 5's (forwards / backwards) **NCETM Booklet:** • Adding 2 to numbers 0 -10 (Booklet 3) • Number Bonds to 10 (Booklet 4) **Facts to be learnt (Arithmetic Focus):** ***Adding 2*** 1+2 (and 2 +1) 2+2 (note this is a double) 3+2 (and 2+3) ***Number bonds to 10:*** 1+9 and 9+1 etc	**Daily Counting activities:** • Counting in multiples of 10's (forwards / backwards) **NCETM Booklet:** • Number Bonds to 10 (Booklet 4) • Adding 10 to 0-10 (Booklet 5) • Adding 0 to numbers 0-10 (Booklet 6) **Facts to be learnt (Arithmetic Focus):** ***Adding 10 to a number*** (e.g. 5 + 10 ***and*** 10 + 5) ***Adding 0 to a number*** (e.g. 3 + 0 and 0 + 3) ***The ones without a family*** (5 + 3, 3 + 5, 6 + 3, 3 + 6, 3+4, 4+3, 4+5 and 5+4)

Year Group	Autumn	Spring	Summer
Year 2	**Daily Counting activities:** • Counting in multiples of 10's (forwards / backwards) • Recite the number names to 100 and beyond. **NCETM Booklet:** • The add three (Booklet 7) • Near Doubles within 10 (Booklet 8) • Doubles of numbers to 10 (Booklet 9) **Facts to be learnt (Arithmetic Focus):** ***Adding 3*** 1+3(and 3 +1) 2+3 (and 3 +1) 3+3 (note this is a double) Up to 3+9 9+3 **Near Doubles within 10** 2+3, 3+4, 4+5, **Doubles of Numbers to 10** 1+1, 2+2, 3+3, 4+4, 5+5,	**Daily Counting activities:** • Counting in multiples of 2's (forwards / backwards) • Counting in multiples of 10's (forwards / backwards) **NCETM Booklet:** • Near Doubles bridging 10 (Booklet 10 – version 1) • Near Doubles bridging 10 (Booklet 10 – version 2) • Bridging 10 using 4 (Booklet 13) **Facts to be learnt (Arithmetic Focus):** **Near Doubles bridging 10** 5+6 6+7, 6+5, 7+6 **Near Doubles bridging 10** 7 + 8, 8 + 7, 8 + 9, 9 + 8 **Adding 4-to-one-digit numbers** 4 + 7, 7 + 4, 4 + 8, 8 + 4, 4 + 9, 9 + 4 **Multiplication and division facts for 2x 5x table (once taught).**	**Daily Counting activities:** • Counting in multiples of 10's (forwards / backwards) • Counting in multiples of 5's (forwards / backwards) • Counting in multiples of 2's (forwards / backwards) • Recite the number names to 100 and beyond. **NCETM Booklet:** • Bridging 10 using 5 (Booklet 14) • Bridging 10 using 6 (Booklet 15) • 2x table (Booklet A) **Facts to be learnt (Arithmetic Focus):** **Adding 5-to-one-digit numbers** 5 + 7, 7 + 5, 5 + 8, 8 + 5, 5 + 9, 9 + 5 **Adding 6-to-one-digit numbers** 6 + 8, 8 + 6, 6 + 9, 9 + 6. **Multiplication and division facts for 2x 5x table (once taught).**

Year Group	Autumn	Spring	Summer
Year 3	**Daily Counting activities:** • Counting in multiples of 2's, 5's and 10's (forwards / backwards) • Counting in multiples of 3's and 4's (forwards / backwards) • Recite the number names to 1000 and beyond. **NCETM Booklet:** • Revision of year 2 additive facts (Booklet 16) • X2 tables (Booklet A) • X 5 tables (Booklet B) • X3 tables (Booklet F) **Facts to be learnt / rehearsed (Arithmetic Focus):** • Double and halves to 20 • Number bonds to 20 • Finding 10 or 100 more or less than a given number	**Daily Counting activities:** • Counting in multiples of 3's and 4's (forwards / backwards) • Count from 0 in multiples of 50 and 100 (forwards / backwards) • Recite the number names to 1000 and beyond. • Read and write numbers to at least 1000 in numerals and in words **NCETM Booklet:** • X4 tables (Booklet C) • X8 tables (Booklet D) • X3 tables (Booklet F Recap) **Facts to be learnt (Arithmetic Focus):** • Number bonds to 100 • Doubles and halves to 100	**Daily Counting activities:** • Counting in multiples of 3's, 4's and 8's (forwards / backwards) • Count from 0 in multiples of 50 and 100 (forwards / backwards) • Recite the number names to 1000 and beyond. • Comparing and ordering numbers up to 1000 **NCETM Booklet:** **Further rehearsal using the following as per needs of pupils:** • X2 tables (Booklet A) • X 5 tables (Booklet B) • X3 tables (Booklet F) • X4 tables (Booklet C) • X8 tables (Booklet D) • X3 tables (Booklet F Recap) **Facts to be learnt (Arithmetic Focus):** • Number bonds to 1000 • Doubles and halves to 1000

Year Group	Autumn	Spring	Summer
Year 4	**Daily Counting activities:** • Counting backwards through zero to include negative numbers. • Counting in multiples of 25 and 1000 • Counting in multiples of 3's, 4's and 8's (forwards / backwards) **NCETM Booklet:** • Revision of year 3 (Booklet E) • 6x table (Booklet G) • 12x table (Booklet K) • 9x table (Booklet H) **Facts to be learnt / rehearsed (Arithmetic Focus):** • 6 fact challenge: 6x6, 7x6, 8x6, 9x6, 11 x 6, 12x6 • Multiplication and division facts for 2x, 3x, 4x, 5x, 6x, 9x, 12x • Number bonds to 10,000	**Daily Counting activities:** • Counting in multiples of 6, 7, 8, 9, 11, 12, 25 and 1000 (forwards / backwards) • Counting in fractional/ decimal amounts. **NCETM Booklet:** • 7x table (Booklet I) • 11x table (Booklet J) • 8x table (Booklet D) **Facts to be learnt / rehearsed (Arithmetic Focus):** • Multiplication and division facts for ***all*** times tables up to 12 × 12 • Decimal equivalents of taught fractions.	**Daily Counting activities:** • Find 1000 more or less than a given number. • Count backwards in multiples through zero to include negative numbers. • Counting in multiples of 6, 7, 8, 9, 11, 12, 25 and 1000 (forwards / backwards) **NCETM Booklet:** • Further consolidation as required. **Facts to be learnt / rehearsed (Arithmetic Focus):** • Multiplication and division facts for **all facts** up to 12 x 12 • Multiply and divide single-digit numbers by 10 and 100.

Year Group	Autumn	Spring	Summer
Year 5	**Daily Counting Activities** • Read, write, order and compare numbers to at least 1 000 000. • Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000. • Count in multiples of 3,4,6, 8,12 (forwards / backwards) **NCETM Booklet:** **Further consolidation of:** **3x 6x 4x 8x** • X3 table (Booklet F) • 6x table (Booklet G) • X4 table (Booklet C) • X8 table (Booklet D) **Facts to be learnt / rehearsed (Arithmetic Focus):** • Fractional number bonds to 1 • Roman numerals to 1000 (M)	**Daily Counting Activities** • Count in multiples of 6, 7, 9, 11, (forwards / backwards) • Count forwards and backwards in units of measure. • Count in fractional amounts. **NCETM Booklet:** **Further consolidation of:** **7x 9x 11x** • 7x table (Booklet I) • 9x table (Booklet H) • 11x table (Booklet J) **Facts to be learnt / rehearsed (Arithmetic Focus):** • Metric conversions (length / capacity/mass) • Prime numbers up to 100.	**Daily Counting Activities** • Count forwards and backwards with positive and negative whole numbers through zero. • Count in all multiples **NCETM Booklet:** **Further consolidation of:** **5x 12x and as required** • 5x (Booklet B) • 12x (Booklet K) • Further consolidation as required. **Facts to be learnt / rehearsed (Arithmetic Focus):** • Square numbers up to 144. • Factor pairs up to 144 • Cube numbers • Adding /Subtracting decimals • Adding subtracting units of measure.

Year Group	Autumn	Spring	Summer
Year 6	**Daily Counting Activities** • Read, write, order and compare numbers up to 10,000,000 • Count in multiples of 3,4,6, 8. (forwards / backwards) • Count forwards and backwards with positive and negative whole numbers through zero. • Counting forwards and backwards in fractional amounts. **NCETM Booklet:** **Further consolidation of:** **3x 6x 4x 8x** • X3 table (Booklet F) • 6x table (Booklet G) • X4 table (Booklet C) • X8 table (Booklet D) **Facts to be learnt / rehearsed (Arithmetic Focus):** • Square numbers up to 144 and their square roots. • Factor pairs up to 144 • Common factors • Cube numbers	**Daily Counting Activities** Count in multiples of 3,4,6, 8. (forwards / backwards) **NCETM Booklet:** **Further consolidation of:** **7x 9x 11x** • 7x table (Booklet I) • 9x table (Booklet H) • 11x table (Booklet J) **Facts to be learnt / rehearsed (Arithmetic Focus):** • Multiplication and division facts for **all facts** up to 12 x 12 • Convert between decimals, fractions and percentages. • Prime numbers up to 100. • Finding percentages of amounts.	**Daily Counting Activities** Count in multiples of 5,7,9,11,12 (forwards / backwards) **NCETM Booklet:** • Further consolidation as required. **Facts to be learnt / rehearsed (Arithmetic Focus):** • Decimal and percentage equivalents of the fractions ½, ¼, ¾, ⅓,⅔, tenths and fifths. • All four operations involving fractions and decimals.