

# Curriculum for Excellence – Second Developing

## Curriculum Map for Numeracy

IHS Cluster Mental Maths Planner Adapted  
from 'Maths on Track' Tom Renwick

### P5

#### Aug-Dec of P5

- reinforce + and - of single digits eg  $8+7$ ,  $15-8$   
MNU 1-03a
- reinforce the 2, 3, 4, 5 and 10 times tables  
for  $\times$  and  $\div$   
MNU 1-03a
- round 3 digit numbers to the nearest 100 eg  
 $465$  round to 500,  $139$  to 100,  
MNU 2-01a
- introduce the 6 and 7 times tables to  
multiply and divide and reinforce that if  
 $7 \times 6 = 42$ , then  $6 \times 7 = 42$ ,  $42 \div 7 = 6$ , and  $42 \div 6 = 7$   
MNU 2-03a
- add or subtract 1 or 10 to / from any 4 digit  
number eg  $2451 - 10$ ,  $3999 + 1$   
MNU 2-03a
- add and subtract a single digit to/from a 2 or  
3 digit number eg  $258-4$ ,  $135+3$ ,  $710-5$ ,  $97+9$   
MNU 1-03a
- find change from £1 using multiples of 5p eg  
 $65p$  gives 35p change, and from £5 using  
multiples of 50p eg £1.50 gives £3.50 change  
MNU 1-09b
- $\times$  two digit numbers by 10 eg  $34 \times 10$ ,  $46 \times 10$   
MNU 1-03a/MNU 2-03a
- count back **verbally** in 50's or 25's from  
1000, eg 1000, 950, 900, ... or 1000, 975,  
950, ..  
MNU 1-02a

- find the doubles of the multiples of 5 eg  
 $85+85$  and halves of multiples of 10 and 100  
eg  $1/2$  of 30,  $1/2$  of 70,  $1/2$  of 90,  $1/2$  of 120,  
 $1/2$  of 320  
MNU 1-03a
- read and write 5 and 6 digit numbers eg  
 $12597$  or  $314067$  and give the number  
before or after  
MNU 2-02a
- find  $1/2$ s and  $1/4$ s of multiples of 100  
eg  $1/2$  of 1300,  $1/4$  of 200,  $1/4$  of 300  
MNU 1-07b
- read any time on a clock face involving past  
and to the hour using am/pm  
MNU 1-10c
- introduce the 8 and 9 times tables to  
multiply and divide and reinforce that if  
 $8 \times 9 = 72$ , then  $9 \times 8 = 72$ ,  $72 \div 8 = 9$ , and  $72 \div 9 = 8$   
MNU 2-03a

#### Jan – March of P5

- reinforce the 2, 3, 4, 5, 6, 7, 8, 9 and 10  
times tables to multiply and divide  
MNU 2-03a
- read 5 and 6 digit numbers and count on and  
back in 1s, 10s or 100s to / from  
MNU 2-03a
- add or subtract a single digit to/from a three  
digit number eg  $151-9$ ,  $299+8$ ,  $702-5$   
MNU 2-03a

- estimate where a number from 0-1000  
would be on a number line eg “where would  
 $900$  be?”  
MNU 2-01a/MNU 2-02a
- multiply 2 and 3 digit numbers by 10  
eg  $47 \times 10$ ,  $255 \times 10$ ,  $378 \times 10$ , ...  
MNU 1-03a/ MNU 2-03a
- find the change from £1 eg spending 22p  
leaves 78p, and from £5 when using  
multiples of 25p eg spending £1.25 leaves  
£3.75 .  
MNU 2-09a
- double numbers to 50 eg  $2 \times 26$ ,  $2 \times 27$ ,  $2 \times 35$ ,  
and associated halves eg  $1/2$  of 52,  $1/2$  of 74  
MNU 2-02a
- read time using am/pm and give the time 5,  
10 or 15 minutes later, calculate time  
differences using electronic or paper based  
time tables eg how long from 2.35pm till  
2.50pm?..  
MNU 2-10a
- find thirds, fifths and tenths of quantities  
belonging to these tables eg  $1/3$  of 18,  $1/5$  of  
20, and  $1/10$  of 80, and quarters of multiples  
of 100 eg  $1/4$  of 600 (teach half then half  
again)  
MNU 2-07a
- add and subtract multiples of 10 to/from 3  
digits eg  $246+20$ ,  $317+40$ ,  $466-30$  (no  
bridging of 100)  
MNU 2-01a

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### Curriculum Map for Numeracy

- convert mentally between related units of the metric system (e.g. g to kg, mm to cm, cm to m, m to km, ml to l) and use common units when estimating sizes for lengths, areas and weights MNU 2-11b
- round 4 digit numbers to the nearest 1000 or 100 eg 4655 rounds to 5000, 1390 to 1400, and use rounding to estimate the answer to a problem MNU 2-01a

### April – June of P5

- find thirds, fifths and tenths of quantities belonging to these tables eg  $1/3$  of 21,  $1/5$  of 30, and  $1/10$  of 90 MNU 1-07a/MNU 2-07a
- reinforce the 2, 3, 4, 5, 6, 7, 8, 9 and 10 times tables to multiply and divide and that if  $7 \times 9 = 63$ , then  $9 \times 7 = 63$ ,  $63 \div 7 = 9$ , and  $63 \div 9 = 7$  MNU 2-03a
- add or subtract a single digit to/from a 3 digit number eg  $195 - 8$ ,  $395 + 8$ ,  $911 - 8$  MNU 2-03a
- estimate where a number from 0-1000 would be on a number line eg “where would 975 be?”, MNU 2-01a
- x 2 or 3 digit numbers by 10 eg  $316 \times 10$  MNU 2-03a

## P5

- find the change from £1 for any amount of money eg 82p leaves 18p and, from £5 using multiples of 10p eg £2.20 leaves £2.80 and also compare costs and determine what can be afforded MNU 2-09a
- + and - multiples of 10 to/from 3 digits eg  $246 + 60$ ,  $317 + 90$ ,  $416 - 20$  (including bridging 100) MNU 2-03a
- **read** and **verbalise** 5 and 6 digit numbers, give the number before or after and, add or subtract 1, 10 or 100 to/from MNU 2-02a
- double numbers to 100 and multiples of 100 and associated halves eg  $2 \times 56$ ,  $2 \times 74$ ,  $1/2$  of 148, and,  $1/2$  of 1300 ... MNU 2-01a.MNU 2-03a
- round 1dp numbers to the nearest whole number eg 2.4 is nearer to 2, 2.9 is nearer 3 MNU 2-01a
- find simple time differences using the 12 hour clock eg from 8.55am to 9.13am and by using electronic or paper based time tables MNU 2-10a
- find  $1/2$ ,  $1/3$ ,  $1/4$  and  $1/5$  of more complex quantities eg  $1/2$  of 212,  $1/3$  of 120,  $1/4$  of 500