Year 3 Maths Small Step Overview

1. Number: Place value	
a) Represent numbers to 100	
b) Partition numbers to 100	
c) Number line to 100	
d) Hundreds	
e) Represent numbers to 1000	
f) Partition numbers to 1000	
g) Flexible partitioning of numbers to 1,000	
h) Hundreds, tens and ones	
i) Find 1, 10 or 100 more or less	
j) Number line to 1000	
k) Estimate on a number line to 1000	
l) Compare numbers to 1000	
m) Order numbers to 1000	
n) Count in 50s	

2. Number: Addition and subtraction	
a) Apply number bonds within 10	
b) Add and subtract 1s	
c) Add and subtract 10s	
d) Add and subtract 100s	
e) Spot the pattern	
f) Add 1s across a 10	
g) Add 10s across a 100	
h) Subtract 1s across a 10	
i) Subtract 10s across a 100	
j) Make connections	
k) Add two numbers (no exchange)	
l) Subtract two numbers (no exchange)	
m) Add two numbers (across a 10)	
n) Add two numbers (across a 100)	
o) Subtract two numbers (across a 10)	
p) Subtract two numbers (across a 100)	
q) Add 2-digit and 3-digit numbers	
r) Subtract a 2-digit number from a 3-digit number	
s) Complements to 100	
t) Estimate answers	
u) Inverse operations	
v) Make decisions	

3. Number: Multiplication and division (A)	
a) Multiplication – equal groups	
b) Use arrays	
c) Multiples of 2	
d) Multiples of 5 and 10	
e) Sharing and grouping	
f) Multiply by 3	
g) Divide by 3	
h) The 3 times-table	
i) Multiply by 4	
j) Divide by 4	
k) The 4 times-table	
l) Multiply by 8	
m) Divide by 8	
n) The 8 times-table	
o) The 2, 4 and 8 times-tables	

4. Number: Multiplication and division (A)	
a) Multiples of 10	
b) Related calculations	
c) Reasoning about multiplication	
d) Multiply a 2-digit number by a 1-digit number – no exchange	
e) Multiply a 2-digit number by a 1-digit number – with exchange	
f) Link multiplication and division	
g) Divide a 2-digit number by a 1-digit number – no exchange	
h) Divide a 2-digit number by a 1-digit number – flexible partitioning	
i) Divide a 2-digit number by a 1-digit number – with remainders	
j) Scaling	
k) How many ways?	

5. Measurement: Length and perimeter	
a) Measure in metres and centimetres	
b) Measure in millimetres	
c) Measure in centimetres and millimetres	
d) Metres, centimetres and millimetres	
e) Equivalent lengths (metres and centimetres)	
f) Equivalent lengths (centimetres and millimetres)	
g) Compare lengths	
h) Add lengths	

i) Subtract lengths	
j) What is perimeter?	
k) Measure perimeter	
l) Calculate perimeter	

6. Number: Fractions (A)	
a) Understand the denominators of unit fractions	
b) Compare and order unit fractions	
c) Understand the numerators of non-unit fractions	
d) Understand the whole	
e) Compare and order non-unit fractions	
f) Fractions and scales	
g) Fractions on a number line	
h) Count in fractions on a number line	
i) Equivalent fractions on a number line	
j) Equivalent fractions as bar models	

7. Measurement: Mass and Capacity	
a) Use scales	
b) Measure mass in grams	
c) Measure mass in kilograms and grams	
d) Equivalent masses (kilograms and grams)	
e) Compare mass	
f) Add and subtract mass	
g) Measure capacity and volume in millilitres	
h) Measure capacity and volume in litres and millilitres	
i) Equivalent capacities and volumes (litres and millilitres)	
j) Compare capacity and volume	
k) Add and subtract capacity and volume	

8. Number: Fractions (B)	
a) Add fractions	
b) Subtract fractions	
c) Partition the whole	
d) Unit fractions of a set of objects	
e) Non-unit fractions of a set of objects	
f) Reasoning with fractions of an amount	

9. Measurement: Money	
a) Pounds and pence	
b) Convert pounds and pence	
c) Add money	
d) Subtract money	
e) Find change	

10. Measurement: Time	
a) Roman numerals to 12	
b) Tell the time to 5 minutes	
c) Tell the time to the minute	
d) Read time on a digital clock	
e) Use am and pm	
f) Years, months and days	
g) Days and hours	
h) Hours and minutes - use start and end times	
i) Hours and minutes- use durations	
j) Minutes and seconds	
k) Units of time	
l) Solve problems with time	

11. Geometry: Shape	
a) Turns and angle	
b) Right angles	
c) Compare angles	
d) Measure and draw accurately	
e) Horizontal and vertical	
f) Parallel and perpendicular	
g) Recognise and describe 2-D shapes	
h) Draw polygons	
i) Recognise and describe 3-D shapes	
j) Make 3-D shapes	

12. Statistics	
a) Interpret pictograms	
b) Draw pictograms	
c) Interpret bar charts	
d) Draw bar charts	
e) Collect and represent data	
f) Two-way tables	