Year 2 | Autumn Term Week 2-3 Measurement: Length & Height



Overview Small Steps

	Compare lengths and heights	R	
	Measure lengths (1)	R	
	Measure lengths (2)	R	
	Measure length (cm)		
	Measure length (m)		
	Compare lengths		
	Order lengths		
	Four operations with lengths		J

Notes for 2020/21

It is important to spend time recapping what is meant by length and height.

Children should revisit the idea of measuring length with nonstandard units such as cubes before moving on to measure length in centimetres and metres.

Year 2 Autumn Term Week 4-6 Number: Place Value



Overview

Small Steps

Counting forwards and backwards within 20	R
Tens and ones within 20	R
Counting forwards and backwards within 50	R
Tens and ones within 50	R
Compare numbers within 50	R
Count objects to 100 and read and write numbers in numerals and words	
Represent numbers to 100	
Tens and ones with a part-whole model	
Tens and ones using addition	
Use a place value chart	
Compare objects	
Compare numbers	
Order objects and numbers	

Notes for 2020/21

It is important to spend time early on recapping numbers within 20 and 50 before moving onto numbers to 100.

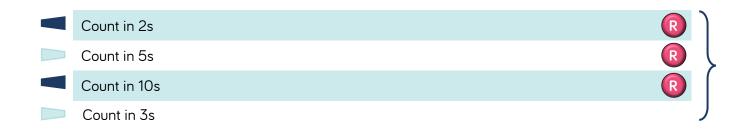
Many children will need this recap as they may not be secure in their understanding of tens and ones from Y1, even though they may have met it.

Year 2 | Autumn Term Week 4-6 Number: Place Value



Overview

Small Steps



Notes for 2020/21

We have separated the step counting in 2s, 5s and 10s into three recap steps in order to explore them in more detail.

Year 2 | Autumn Term Week 7-11 Number: Addition & Subtraction



Overview

Small Steps

Fact families – addition and subtraction bonds to 20	
Check calculations	
Compare number sentences	
Related facts	
Bonds to 100 (tens)	
Add and subtract 1s	
10 more and 10 less	
Add and subtract 10s	
Add by making 10	R
Add a 2-digit and 1-digit number – crossing ten	
Subtraction - crossing 10	R
Subtract a 1-digit number from a 2-digit number – crossing ten	
Add two 2-digit numbers - not crossing ten - add ones and add tens	
Add two 2-digit numbers – crossing ten – add ones and add tens	

Notes for 2020/21

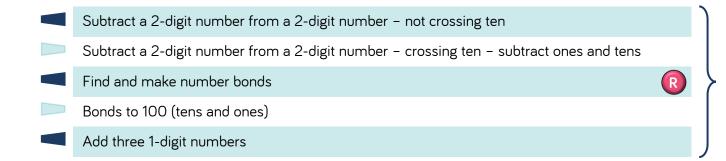
Adding by making 10 can be a difficult concept for children to grasp therefore we have included this as a recap from Year 1.

Similarly subtraction crossing 10 is recapped before children move onto more formal subtraction.

Year 2 | Autumn Term Week 7-11 Number: Addition & Subtraction



Overview Small Steps



Notes for 2020/21

Number bonds are an important aspect of mathematics. Extra time is devoted to this to help children become fluent.

Year 2 | Spring Term Week 1-2 - Measurement: Money



Overview

Small Steps

Recognising coins and notes
Count money – pence
Count money - pounds (notes and coins)
Count money – notes and coins
Select money
Make the same amount
Compare money
Find the total
Find the difference
Find change
Two-step problems

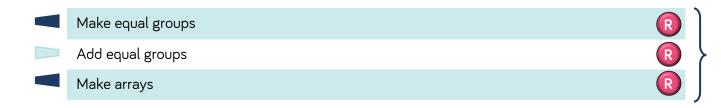
Notes for 2020/21

Children may have missed learning on money in Year 1.

Before starting this block ensure that children are familiar with coins and notes. **Multiplication & Division**



Overview Small Steps



Notes for 2020/21

Use this time to recap the basics of multiplication. Year 2 multiplication will be covered in the Spring term.

Year 2 | Spring Term Week 4 - 7 Number: Multiplication & Division



Overview Small Steps Recognise equal groups Make equal groups Add equal groups Multiplication sentences using the \times symbol Multiplication sentences from pictures Use arrays R Make doubles 2 times-table 5 times-table 10 times-table R Make equal groups - sharing Make equal groups - sharing R Make equal groups - grouping Make equal groups - grouping Divide by 2 Odd & even numbers Divide by 5

Divide by 10

Notes for 2020/21

Some of this content was previously in the Year 2 Autumn term. It has been moved over to Spring to allow more time on place value and addition and subtraction.

Prior to this block children had the opportunity to recap making equal groups, adding equal groups and making arrays from Year 1. Children can now build on this in the Spring term.

Concrete manipulatives are vital to introduce this topic and support children's conceptual understanding of the concept.

Year 2 | Spring Term Week 8 - 9 Statistics



Overview

Small Steps

Make tally charts
Draw pictograms (1-1)
Interpret pictograms (1-1)
Draw pictograms (2, 5 and 10)
Interpret pictograms (2, 5 and 10)
Block diagrams

Notes for 2020/21

This block leads on really nicely from multiplication and division.

Have fun with the children, gaining information about each other and creating pictograms and block diagrams practically.

Year 2 | Spring Term Week 10 - 12 Geometry: Properties of Shape

Overview Small Steps

Make patterns with 3-D shapes

Recognise 2-D and 3-D shapes
Count sides on 2-D shapes
Count vertices on 2-D shapes
Draw 2-D shapes
Lines of symmetry
Sort 2-D shapes
Make patterns with 2-D shapes
Count faces on 3-D shapes
Count edges on 3-D shapes
Count vertices on 3-D shapes
Sort 3-D shapes

Notes for 2020/21

Children have briefly covered 2-D and 3-D shapes in Year 1. Now there is an opportunity to delve deeper into this concept.

Ensure correct mathematical language is used throughout to help equip children for the future. From this point on 'vertices' should used to describe corners of shapes.

Try to make this block as practical as possible and use outdoor space to explore shapes in nature.



Year 2 | Summer Term Week 1-3 – Number: Fractions



Overview

Small Steps

Notes for 2020/21

Make equal parts	
Recognise a half	(
Find a half	i
Recognise a quarter	(
Find a quarter	
Recognise a third	l f
Find a third	i 🧹
Unit fractions	I
Non-unit fractions	
Equivalence of $\frac{1}{2}$ and $\frac{2}{4}$	f
Find three quarters	
Count in fractions)

Concrete manipulatives and real life representations are important in these early stages of learning with fractions.

Don't worry too much about formal learning at this stage, instead focus on activities and play based learning.

All of this content will be formalised and built upon in Year 3.

Year 2 | Summer Term Week 4-5 Geometry: Position & Direction



Overview Small Steps

Describe position (1)	R
Describe position (2)	R
Describe movement	
Describe turns	
Describe movement and turns	
Making patterns with shapes	

Notes for 2020/21

Time should be spent ensuring that children are able to confidently describe position before moving on to look at movements and turns.

The concept of position is quite difficult to grasp especially when taught remotely so children might need to spend a little longer on the basics.

Year 2 Summer Term Week 8-9 Measurement: Time



Overview

Small Steps

Telling time to the hour	R	
Telling time to the half hour	R	
O'clock and half past		
Quarter past and quarter to		
Telling time to 5 minutes		7
Writing time	R	
Hours and days		
Find durations of time		
Compare durations of time		J
		-

Notes for 2020/21

Children may have missed the time block in Year 1 making this their first formal experience of telling the time.

Children should revisit the basics specifically focusing on telling the time to the hour and half hour before looking at the two combined.



Overview Small Steps

Introduce weight and mass	R
Measure mass	R
Compare mass	
Measure mass in grams	
Measure mass in kilograms	
Introduce capacity and volume	R
Measure capacity	R
Compare volume	
Millilitres	
Litres	
Temperature	
	/

Notes for 2020/21

Children should revisit the idea of mass and capacity initially focusing on non-standard units such as cubes and jugs respectively. They will then look more formally at measuring using standard units.

Practical activities are encouraged to support understanding.