

Subject: MATHS	White Rose Maths Year 3 <i>Number – Addition and Subtraction</i>	
Class: Eagles Maths Group	Teacher: SW	Term: 1/2
Key Vocabulary: ,	Alternative Learning Environments	Resources: Pencils, Rulers, Rubbers, White Rose scheme resources, Cubes, Counters. Flash Back 4 activities at the beginning of each lesson. Editable Problem Solving.

Learning Intentions.

Current Unit – Year 3 Autumn	Prior Learning – Year 2 objectives
Add and subtract multiples of 100	Fact families – addition and subtraction bonds to 20
Add and subtract 1s	Check calculations
Add and subtract 3-digit and 1-digit numbers – not crossing 10	Compare number sentences
Add a 2-digit and 1-digit number - crossing 10	Related facts
Add 3-digit and 1-digit numbers – crossing 10	Bonds to 100 (tens)
Subtract a 1-digit number from 2-digits - crossing 10	Add and subtract 1s
Subtract a 1-digit number from a 3-digit number – crossing 10	10 more and 10 less
Add and subtract 3-digit and 2-digit numbers – not crossing 100	Add and subtract 10s
Add 3-digit and 2-digit numbers – crossing 100	Add by making 10
Subtract a 2-digit number from a 3-digit number – crossing 100	Add a 2-digit and 1-digit number – crossing ten
Add and subtract 100s	Subtraction - crossing 10
Spot the pattern – making it explicit	Subtract a 1-digit number from a 2-digit number – crossing ten
Add two 2-digit numbers - crossing 10 - add ones & add tens	Add two 2-digit numbers – not crossing ten – add ones and add tens
Subtract a 2-digit number from a 2-digit number - crossing 10	Add two 2-digit numbers – crossing ten – add ones and add tens
	Subtract a 2-digit number from a 2-digit number – not crossing ten
	Subtract a 2-digit number from a 2-digit number – crossing ten – subtract ones
	Find and make number bonds
	Bonds to 100 (tens and ones)
	Add three 1-digit numbers

Add and subtract a 2-digit and 3-digit numbers – not crossing 10 or 100		
Add a 2-digit and 3-digit numbers – crossing 10 or 100		
Subtract a 2-digit number from a 3-digit number – crossing 10 or 100		
Add two 3-digit numbers – not crossing 10 or 100		
Add two 3-digit numbers – crossing 10 or 100		
Subtract a 3-digit number from a 3-digit number – no exchange		
Subtract a 3-digit number from a 3-digit number – exchange		
Estimate answers to calculations		
Check answers		
Future Learning – Year 4 Objectives.		

Add and subtract 1s, 10s, 100s and 1,000s	
Add two 3-digit numbers - not crossing 10 or 100	
Add two 4-digit numbers – no exchange	
Add two 3-digit numbers - crossing 10 or 100	
Add two 4-digit numbers – one exchange	
Add two 4-digit numbers – more than one exchange	
Subtract a 3-digit number from a 3-digit number - no exchange	
Subtract two 4-digit numbers – no exchange	
Subtract a 3-digit number from a 3-digit number - exchange	
Subtract two 4-digit numbers – one exchange	
Subtract two 4-digit numbers – more than one exchange	
Efficient subtraction	
Estimate answers	
Checking strategies	

Week	Session 1	Session 2	Session 3	Session 4
	Lesson Objective Add and subtract multiples of 100	Lesson Objective Recap Add and subtracts 1s	Lesson Objective Add and subtract 3-digit and 1-digit numbers - not crossing 10	Lesson Objective Recap Add a 2-digit and 1-digit number - crossing 10

Term 1 week 6	<p>Activities Flashback 4</p> <p>Lesson 1</p> <p>Practice different models representing additions of multiples of 100s.</p> <p>Using part/whole models to demonstrate additions and subtractions.</p> <p>White Rose Worksheet.</p> <p>Plenary</p> <p>Two part/whole models on board – discuss – what is the same/what is different?</p>	<p>Activities Flashback 4</p> <p>Lesson 2</p> <p>Focus on using the number line model to represent additions and subtractions.</p> <p>Children drawing own models to show representations of calculations.</p> <p>White Rose Worksheet.</p> <p>Plenary</p> <p>Discuss and model a suitable number line model to show the sum $47 + 4 =$ Look for way to make 10 eg $47 + 3 = 50 + 1$.</p>	<p>Activities Flashback 4</p> <p>Lesson 3</p> <p>Using place value knowledge to break down calculations to a simpler form. Eg looking for the number bonds to 5 or 10.</p> <p>Using this knowledge to solve missing number problems.</p> <p>White Rose Worksheet.</p> <p>Plenary</p> <p>On board number line with a calculation represented on it.</p> <p>Children to write the number sentence shown and discuss how they knew this.</p>	<p>Activities Flashback 4</p> <p>Lesson 4</p> <p>Practice number bonds to 10 and extend to 20.</p> <p>Using the 10 we can find to help with each calculation.</p> <p>White Rose Worksheet</p> <p>Plenary</p> <p>Find the “hidden 10”</p> <p>Eg what is $8 + 5$? Eg $8 + 2 + 3$.</p>
Term 1 Week 7	<p>Lesson Objective</p> <p>Add 3-digit and 1-digit numbers - crossing 10</p> <p>Activities Flashback 4</p> <p>Looking at different ways to represent additions – base 10, place value counters and number lines.</p> <p>White Rose Worksheet</p>	<p>Lesson Objective</p> <p>Recap Subtract a 1-digit number from 2-digits - crossing 10</p> <p>Activities Flashback 4</p> <p>Revise looking for the hidden 10s and number bonds facts.</p> <p>White Rose Worksheet</p>	<p>Lesson Objective</p> <p>Subtract a 1-digit number from a 3-digit number - crossing 10</p> <p>Activities Flashback 4</p> <p>Practising methods of subtraction which need to use exchanges.</p> <p>White Rose Worksheet</p>	<p>Lesson Objective</p> <p>Add and subtract 3-digit and 2-digit numbers - not crossing 100</p> <p>Activities Flashback 4</p> <p>Practice using place value counters to complete additions and subtractions which do not bridge 10.</p>

	<p>Plenary</p> <p>Calculation on the board in a number sentence.</p> <p>Children to choose a way to represent this using one of the methods looked at in the lesson.</p>	<p>Plenary</p> <p>Finding the hidden 10s in examples of calculations on the board.</p>	<p>Plenary</p> <p>From a list of subtraction calculations on board children to decide which ones will need to use exchange to complete.</p>	<p>White Rose Worksheet</p> <p>Plenary</p> <p>Missing number problem on board. Children to solve and discuss method with a partner.</p>
Term 2 Week 1				
Term 2 week 2				
Term 2 Week 3				
Term 2 Week 4				