Anston Greenlands Primary School - Medium Term Maths Curriculum

<u>Year 1</u>

<u>Autumn Term - The Boy who grew Dragons (Novel Study)</u>

Objectives Approximate number of lessons (70 total)	Investigations/variation	Context/real life
Number: Place value within 10		
(70 total) Number: Place value within 10 • To sort 1 objects	<text><text><text><text><text></text></text></text></text></text>	

		Investigation - What is my rule? - Nrich	
 To count objects 	2	Once objects are sorted, children begin to count from 1 to 10 to work out how many there are. It is important that they count one object at a time and that they understand the last number they count is the total amount. Children should be encouraged to place the objects in a line to improve accuracy when counting. They should also be exposed to what zero looks like. How many objects are there? • If I move them around, are there still the same number of objects? Count and check. • Does it matter which object you count first? • Can you count how many claps I do? • Should you start counting at 1 or zero? • How do you know you have counted all the objects? • How do you know you have not counted any objects more than once? Line up the objects. Is it easier to count now? Wh? What does onerepresent? What number will we say first when we are counting? Why? Wat does zero look like? Conyou show me agroup of zero? If the groupe the total? Wont out? Wat does zero look like? Conyou show me agroup of zero? For groupe the count? What does zero look like? Conyou show me agroup of zero? For groupe the count? <p< td=""><td></td></p<>	

		Image: State Stat	
 Count object from a larger group 	2	Circle a group of 2 cats. Circle a group of 5 cats. Circle a group of 6 cats. Circle a group of 6 cats. How many cats are not circled in each set?	
		Investigation Marbles in a jar	

 To represent objects 	2	Children learn that one object can be represented by another. For example, one elephant can be represented by one cube or counter. Children can also pictorially represent an object to aid understanding. The use of zero is important so children understanding. The use of numerals is modelled here, you could also introduce the written word too. How can the five frame help you to count the objects? Can you write the number 3 in words? How many ways can you draw 3? Do we always have to use counters to show an amount? What can we use to represent the? What does each represent? How many different ways can we represent? What does each represent? How many different ways can we represent? Write the numeral to match each set of objects. Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? Image: the numeral to match each set of objects? <	
 Recognise numbers as words 	2		Make a class counting book with a double-poge spread for each number from zero to 10 solution in dowing or photographs of objects the children the numeral and the word on each spread. Make a class counting book linked to dragons and diferent types.
 Count on from any number 	2	Complete the number tracks. 2 3 4 1 5 6 3 1	Use the 100 square outside to choose a number then ask chn to count on. Use chalks to make own number tracks outside.
		Investigation 100 square	

One more	1	
		Once children are confident placing numbers on a track, the language of one more can be introduced. Children need to know that one more is the number after and they should use their counting skills or a number track to help them. The use of a dice and dominoes should be used to reinforce subitising skills. How can counting help us with finding 1 more? Where can one more than be found on a number track? What does one more mean? Will the number get greater or smaller? Why? How can we show one more? Do we need to count from O every time we find one more?
		A A
 Count backwards within 10 	2	Complete the number tracks. 6 5 3 0 10 8 7 0 10 9 2 0

• 1 less	2	Complete the number track. 0 2 3 4 5 7 Complete the sentences. 1 less than 7 isis 1 less than 7 1 less than 2 isis 1 less than 2 	 Work outside and put children in pairs to find the objects. 1 less than 3 leaves 1 less than 5 sticks
Compare	1	Draw a line from each bucket to a spade.	
groups by matching	-		
		Is there a spade for each bucket?	
Fewer, more, same	1		Set up a teddy bears' picnic, giving each bear some treats. You could use cubes to represent some fruit or give the bears some toy objects. Give dady bear 4 cubes, mummy bear 7 cubes and
			boby bear 5 cubes.
			big pieces of poper. Complete the sentences together as a class.
			Mummy bear has cubes than daddy bear. Baby bear has cubes than mummy bear.
			Daddy bear has cubes than boby bear. Then give children some cubes and ask them a variety of questions, such as, "Can you show me
			fewer cubes than mummy bear has?" Discuss the different answers together.
 Less than, 	2	Use straws and cubes to introduce children to the less than, greater than and equal to symbols. Stick what	
greater		gou make together on gour working wall, so that children have a visual reminder.	
to		2 is less than 4 2 < 4	
		4 is greater than 2 4 > 2	
		4 is equal to 4	
		Ask children to use cubes to show that:	
		• 1<5 • 7>3	
		• 9=9 Children use the language 'equal to' 'more' 'less' 'areater than'	
		'fewer' and 'less than' to compare groups of objects.	
		Children do not need to know the difference between the	



Number: addition and subtraction (within 10)				
 To introduce parts and whole 	1	Give children five bean bags. Ask them to throw the bean bags into a hoop. noticing how many land inside the hoop and how. many land ausside. many land ausside.<	Make hoops into dragon houses by decorating them	
Part whole model	1	Children should be exposed to various orientations and use the language 'part' and 'whole'. What is a whole? What is a part? How many parts can you see? What is the value of the missing part? What is the value of the whole? How does this help with addition? Can the parts be swapped around? Why? Can the whole and a part be swapped around? Why? Can the whole and a part be swapped around? Why? Complete the part-whole models. Complete the part-whole models by drawing counters and then Complete the part-whole models by drawing counters and then	Use laminated dragons for objects	









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		Ack have mony use in your other hand. Complete the post-which model and the number sentence. Focus an oblider using ther number bonds, rather this audity.	
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		ten ton 3 area to particular ten ton 3 area to the total ten ton 3 area to the total ten ton 3 area total ten total area total ten total area total ten total area total ten total area total	
		Children should apply their understanding of number bonds to	
		solve missing number problems. Building from counting on,	







		Maths Investigation Break it Up! Age 5 to 11 Challenge Level * You have a stick of seven interlocking cubes (or a tower of seven Lego blocks). You cannot change the order of the cubes. Image: Seven interlocking cubes (or a tower of seven Lego blocks). You cannot change the order of the cubes. Image: Seven interlocking cubes (or a tower of seven Lego blocks). You cannot change the order of the cubes. Image: Seven interlocking cubes (or a tower of seven lego blocks). You cannot change the order of the cubes. Image: Seven interlocking cubes (or a tower of seven lego blocks). You cannot change the order of the cubes. Image: Seven interlocking cubes (or a tower of seven lego blocks). You cannot change the order of the cubes. Image: Seven interlocking cubes (or a tower of seven lego blocks). You cannot change the order of the cubes. Image: Seven interlocking cubes (or a tower of seven lego blocks). You cannot change the order of the cubes. Image: Seven interlocking cubes (or a tower of seven lego blocks). You cannot change the order of the cubes. Image: Seven interlocking cubes (or a tower of seven lego blocks). Image: Seven interlocking cubes (or a tower of seven lego blocks). Image: Seven interlocking cubes (or a tower of seven lego blocks). Image: Seven interlocking cubes (or a tower of seven lego blocks). Image: Seven interlocking cubes (or a tower of seven lego blocks). Image: Seve	
Subtraction on a number line	1	<section-header> Image: space of the spac</section-header>	
Add or subtract 1 or 2	2	In this small step, children focus on adding 1 or 2 in a variety of different contexts. They combine all the methods and approaches they have seen so far in this block.	



• Recognise and name 2 D shapes	1	 We the due studied to order studie. We the due studied to order studied. We the due to order studied to order studied. We the due to order studied to order studied. We the due to order studied to order studied. We the due to order studied to order studied. We the due to order studied to order studied. We the due to order studied to order studied. We the due to order studied to order studied. We the due to order studied to order studied. We the due to order studied to order studied. We the due to order studied to order studied. We the due to order studied to order studied to order studied. We the due to order studied to order studied to order studied. We the due to order studied to order st	
• Sort 2 D shapes	1	 Provide register of the second of t	
• Patterns within 2D shapes	1	In this small step, children create patterns with 2-D and 3-D shapes. They should experience both repeating patterns (ABAB) and symmetrical patterns (ABBCBBA), but do not need to know the names of these types of patterns. (ABBCBBA), but do not need to know the names of these types of patterns.)	
•		Maths Investigation – Shape Jig Shapes Hig Shapes Hig Shapes To shape with the second of the sec	