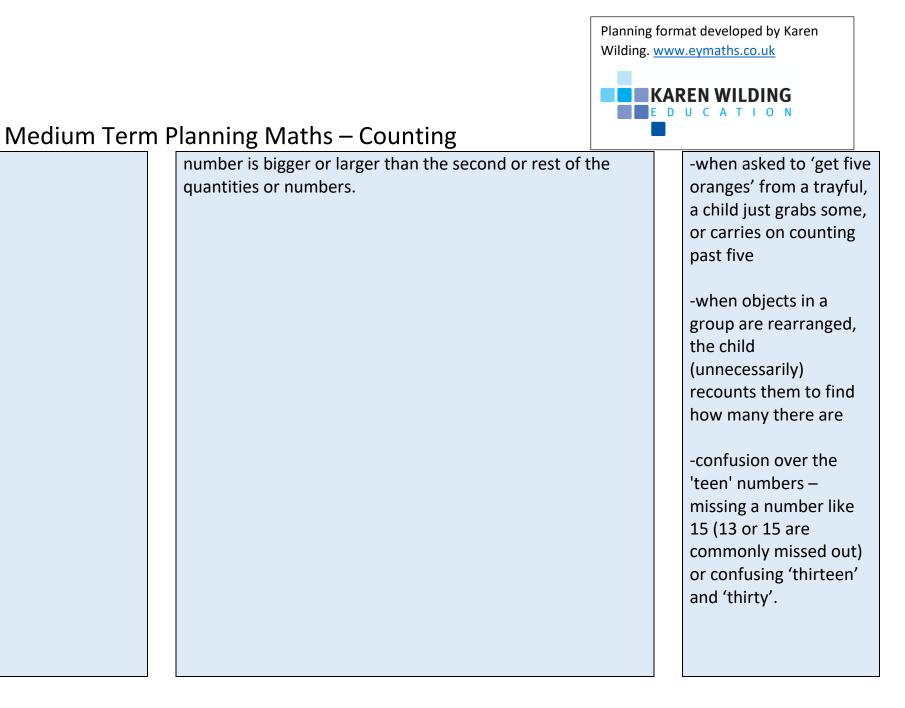




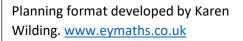
Medium -Term Planning 'Maths Map' Are
you properly equipped for your journey yet?CountingEnd destination – Counting verbally to at least 20 and counting at least 10 objects
accurately

1. Check Your facts	2. Secure Your Expert Language!	3. Predict the
Subject knowledge References:	Key language AND definitions so everyone is consistent.	Hazards and
		Opportunities! Identify the misconceptions and remember these are VERY valuable teaching opportunities.
Karen Wilding <u>www.eymaths.co.uk</u>	How many? (counting) – To count how many are in the set.	-missing out an object
	Quantity – how many of something there are	or counting an object
First Maths Glossary DK – page 10-13	Order – we count to understand which is first, second etc of	twice
NCETM Cardinality and Counting NCETM	a set of objects	
Progression document	More – comparative used to mean greater in size or amount	-when asked how many
Counting (learningtrajectories.org)	Less – is used for singular mass amounts or things that	cars are in a group of
	cannot be counted - this includes '3 is less than 5'	four, simply recounting
	Fewer – a smaller amount of countable things – cars, leaves,	'1, 2, 3, 4,' without
	dogs, counters, pounds, bricks etc.	concluding that 'there
	Greater (than) – an inequality used to compare two or mote	are four cars in the
	numbers, quantities or values. It is used when a quantity or	group'











 4. Identify Your 'Vehicles/Hooks' What have the children shown you they are interested in that you can use to engage their interest and 	5. Build Essential Connections! Which other existing mathematical tools will they need to bring out and use	focus upon and bec	se Tools! Nat will give children the opportunity to come skilful in using specific tools. Use of tasks, book names and page
 build upon what they already understand? Nature/natural world Nursery rhymes and singing 	here? Make these neutral. Communicating - 	Math is visual <u>Cardir</u> website <u>Visual</u>	nality - Counting and Quantity Principles - Math Is
 Snack time fruit Scoring games Interests – observe and use Tidying up time – count back to be ready on the carpet Tidy up time spot timer (5 spots) Loose parts 	 Talking/Demonstrating/P ictorial Counting principles (see attached doc.) Cardinality Pattern (noticing/seeing pattern in numbers) 	Karen Wilding training libraryTeach Teach Teach Mww.eymath s.co.ukNCETMhttps:/ Cardin sense resources	hing Early Number Sense courses //www.ncetm.org.uk/podcasts/how-early-years- en-develop-mathematical-thinking/ ality and Counting NCETM
		Counting <u>conter</u>	<pre>//wrm-13b48.kxcdn.com/wp- it/uploads/2020/07/Reception-Scheme-Guidance-for- ers-Autumn-2020.pdf</pre>





0	U	
	Making Math	Counting Principles - Counting and Cardinality - Make Math
	Moments	<u>Moments</u>
		10 principles that support counting





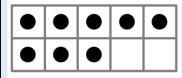
7. 'Concrete' Experiences 'Walk the Walk'

'Move from 'Real World' to 'Maths World'.

Concrete real world



Concrete maths world



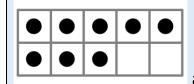
Five and ten frame filled from left to right to add more and take counters from right to left when subtracting.



8. Creating Representations 'Capture the experience using an Image!' (Pictorial)

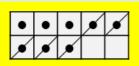
Pictorial

Adults will model how to represent counting on and back pictorially using a five and ten frame when appropriate.



adding counters on

a five/ten frame when counting on.



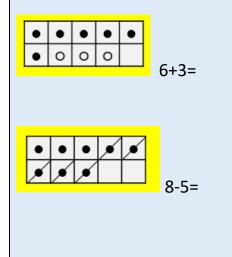
Crossing the counters off to subtract or count back.

Planning format developed by Karen Wilding. <u>www.eymaths.co.uk</u> **KAREN WILDING** E D U C A T I O N

9. Translate the Experience into 'Abstract' Symbols

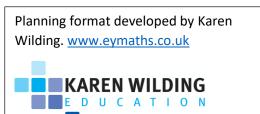
Numerals - 1,2,3,4,5,6,7,8,9,10

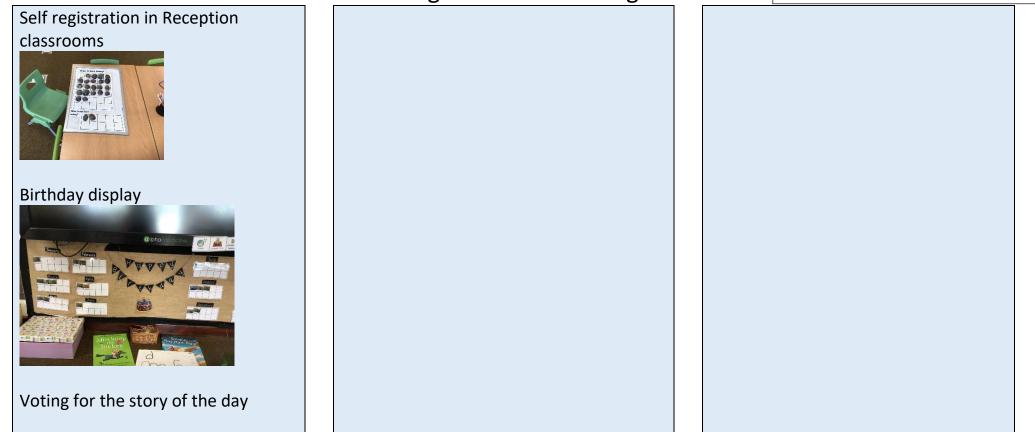
Adults will show the children the addition and subtraction symbols and model recording number sentences using numerals and symbols.These will be accompanied by a pictorial ten frame.















End Point - What do I want the children to understand and be able to do? Long Term aims for subitising – Nursery/Reception

- Children understand that numbers represent how many and words identify how much
- Children count objects in a line by touching each one and answers the question 'how many?' by recalling the last number counted, understanding that this represents the total group of objects
- Children can write/draw to represent how many in a group.
- When counting verbally, children will be able to say the next number in the sequence (to 20 or beyond) by recognising the numerical pattern, especially between the tens and ones.
- Children will count confidently

Characters of Effective Learning – How do young children learn best?

Playing and exploring – engagement	Active learning – motivation	Creating and thinking critically – thinking		
Finding out and exploring	Being involved and concentrating	Having their own ideas		
Playing with what they know	Keeping trying	Making links		
Being willing to 'have a go'	Enjoying achieving what they set out to do	Choosing ways to do things		

Children's interests – What are this group of children motivated by? What areas interest them? How are these children engaged in their learning? What do they love to do? When are they at their most happiest?





Steps needed	Adult led/provocations/enhancements	Continuous Provision areas