



### Maths IREACT- Learning Journey

MATHS KS3		Baseline Position												
Topic	ELEMENT	YG	Step											
			1	2	3	4	5	6	7	8	9			
Basic Number	Add and subtract 1 and 2-digit numbers and explain my working	7	■											
	Add and subtract 3-digit numbers and explain my working	7		■										
	Remember and recall multiplication tables to 12 and explain the associated division facts	7			■									
	Multiply and divide whole numbers by 10, 100 and 1000 and explain the effect	7			■									
	Multiply and divide whole numbers by numbers like 20, 300 etc and explain the effect	7				■								
	Multiply whole numbers by 2 or 3 -digit whole numbers and explain my working	7					■							
	Multiply and divide decimals by 10, 100 and 1000 and explain the effect	7					■							
	Divide by 2-digit whole numbers where there is no remainder and explain my working	7						■						
	Multiply and divide by numbers of any size which give remainders and I can write the remainder as a decimal or a fraction	7								■				
	Apply addition, subtraction, multiplication and division to solve and analyse complex problems	7										■		
	Apply addition, subtraction, multiplication and division to investigate and analyse functional maths problems	7											■	
	Rounding, Estimation and BIDMAS	Read, write and explain how to order whole numbers to 100	7	■										
Explain how to estimate the length of everyday objects		7		■										
Explain how to round whole numbers to the nearest 10, 100 and 1000 and decimals to the nearest whole number		7			■									
Explain how to round decimal numbers to any amount of decimal places		7				■								
Explain and apply BIDMAS in simple questions		7				■								
Apply my knowledge of rounding to estimate answers to calculations and check the reasonableness of these answers by analysing the problem		7					■							
Explain and apply BIDMAS in questions including division, powers and roots		7					■							
Explain how to round numbers to any amount of significant figures		7						■						
Determine upper/ lower bound of any number		7							■					
Apply my knowledge of upper/ lower bounds to find the rounding error of a simple calculation		7									■			
Take apart and evaluate a problem to find the rounding error of a complex calculation		7										■		



