Year 4 Fractions, Decimals and Percentages Learning Journey

Year 3 Prior Learning	Year 4	NCETM
Count up and down in tenths	Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.	
	Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.	
	✓ Recognise that hundredths arise from dividing a number or object into one hundred equal parts.	
	✓ Read a number with two decimal places.	
	✓ Count up in hundredths	
	✓ Count down in hundredths.	
	✓ Write decimal equivalents of any number of tenths.	
	✓ Write decimal equivalents of any number of hundredths.	
	✓ Divide a one-digit number by 10	
	✓ Divide a one-digit number by 100	
	✓ Divide a two-digit number by 10.	
	✓ Divide a two-digit number by 100.	
Recognise and show, using diagrams, equivalent fractions with small denominators	Recognise and show, using diagrams, families of common equivalent fractions	
	Recognise and write decimal equivalents of any number of tenths or hundredths.	
	✓ Write hundredths as a fraction and as a decimal.	
	✓ Show in drawings why a number of fractions equal each other (such as 3/5 and 6/10) and are called equivalent fractions.	
	✓ Write decimal equivalents of any number of tenths and hundredths.	
	Recognise and write decimal equivalents to 1/4,1/2,3/4.	

Tanya Naylor

Year 3	Year 4	NCETM
Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7	Add and subtract fractions with the same denominator	
Add fractions with the same denominator within one whole	✓ Add fractions with the same denominator.	
Subtract fractions with the same denominator within one whole	✓ Subtract fractions with the same denominator.	
Solve problems involving fractions and decimals		
	Convert mixed numbers to improper fractions and vice versa	
	Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers	
Find unit fractions of quantities using known division facts	Work out the fractions of numbers such as 4/5 of 25 or 7/10 of 700.	

Tanya Naylor