Understanding Place Value : Maths : Year 3 : Autumn Term

PlanBee

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To recognise the place value of each digit in a three-digit number.	Recap how to partition a two-digit number into tens and ones, before exploring how to partition a three-digit number into hundreds, tens and ones. Identify the value of each digit in a three-digit number and order numbers from smallest to largest. Practise expressing numbers in both numerals and words.	• Can children identify place value in 3-digit numbers? • Can children write numbers in digits? • Can children write numbers in words?	• Slides • Worksheet 1A/1B/1C • Digit Cards 1A/1B • Calculators (FSD? activity only)
Lesson 2	To understand the value of each digit in numbers up to 1000 and to be able to order numbers.	Order numbers with two, three and four digits and recap the value of each digit in a number. Children can play a game to compare two numbers, or generate their own numbers to order into a number chain.	• Can the children order two-digit numbers correctly? • Can the children order three-digit numbers correctly? • Can the children order four-digit numbers correctly?	• Slides • Worksheet 2A/2B/2C/2D/2E • Dice (FSD? activity only)
Lesson 3	To be able to find 10 and 100 more or less than a given number.	Add ten or one hundred more or less to three-digit numbers. Use dienes blocks as a visual representation for this, before expressing in number sentences. Children can either complete a series of diagrams to demonstrate their knowledge of adding/taking away ten or one hundred, or answer questions where the numbers are expressed in words.	• Can children find 10 more and less than a given number? • Can children find 100 more and less than a given number? • Can children read numbers in numerals and words?	• Slides • Worksheet 3A/3B/3C/3D • Question Cards 3A/3B (FSD? activity only)
Lesson 4	To be able to use knowledge of place value to solve missing number problems.	Children will use their understanding of place value to solve missing number addition problems, using deconstruction of numbers. They can also match numbers represented in numerical, pictorial, word and deconstructed formats, adding in the missing representation for each set.	• Can children partition a three-digit number? • Can children solve missing number problems using their knowledge of place value? • Can children identify numbers in different representations?	• Slides • Worksheet 4A/4B/4C • Place Value Cards (FSD? activity only) • Blank Cards (FSD? activity only)
Lesson 5	To be able to count in multiples of 4, 8, 50 and 100.	Encourage children to look at numerical patterns and count in multiples of 4, 8, 50 and 100. Children will identify the rule in the pattern and ascertain which numbers in the pattern are missing.	• Can children count in multiples of 4 and 8? • Can children count in multiples of 50 and 100? • Can children identify the rule of a number pattern?	• Slides • Worksheet 5A/5B/5C • Hundred Square • Number Card Sets (FSD? activity only)

NB: 'FSD? Activity only' refers to the alternative 'Fancy Something Different…?' activity within the lesson plan **www.planbee.com**