Column addition (adding two numbers) lesson plan

DAY	We Are Learning To (WALT):	MODEL / INTRODUCTION	INDEPENDENT WORK	PLENARY
N	Mental: Main: Use column addition	Main: TA to take children who are unable to add a 1-digit number to a 2-digit number (e.g. 47 + 8) and / or are unable to add multiples of 10 (e.g. 40 + 20) Practice counting up to 100, especially focusing on crossing tens barriers Practice counting up to 100 in tens Calculate mentally by putting first number in head and counting on, using fingers to keep count Work on setting these questions out in columns and calculating them mentally Go through PowerPoint with the following: • Revise 5 key teaching points (see below) • Explanation of how when the units column is full i.e. has 10 units in it, these 10 units need to move next door to the tens and become 1 ten, with several examples • Go through examples of how to add 2-digit and 3-digit numbers e.g. 1)	(At regular intervals have children stop and check their work against success criteria) Lower ability – add 1-digit numbers to 2-digit numbers (give number line if really cannot work without it) Middle ability – add 2-digit numbers Higher ability – add 3-digit numbers Extension – add 4-digit numbers and numbers with decimal places	Have children self- asses their work against the success criteria In ability partners give children 1 question to do each Children need to talk to their partner, explaining what they are doing e.g. I will put the 6 under the 5 because they are both units. Then I will put the 40 under the 20 because they are both tens. Then I draw my equals line with a ruler. Then I start on the right and add the units first, carrying a ten and writing it under the tens, and then add the tens Children swap over and partner who spoke first now listens