



Year 7 : Support Scheme of Work for pupils working at Levels 2 and 3  
Algebra 4 ( 2 hours)

Lesson	Learning Objective	Learning Outcomes			Lesson strategies, activities and ideas	Resources
		Must	Should	Could		
1	Understand and use inverse operations of addition and subtraction	Use the +, - and = signs to record mental additions and subtractions in a number sentence. Understand the meaning of inverse.	Understand and use a function machine for inverse operations of addition and subtraction	Be able to draw and use a function machine to represent an addition calculation.	Starter : addition and subtraction facts to 20 from starter TL4 Y7 Lesson A1.1 Main: see TL4 Y7 lesson A3.1 p.3 main activity for examples of everyday inverses. Use also main activity from lesson A1.1 for function machines. Interactive function machine can be found on the DfES Primary website → resources 'Function machine'	TL4 Y7 OHT A1.1a, 1.1b
2	Use symbols to represent unknown numbers	Recognise the use of a symbol such as $\Delta$ to stand for an unknown number. Find the missing value in an addition calculation e.g. $3 + \Delta = 10$	Recognise the use of a symbol such as $\Delta$ to stand for an unknown number. Find the missing value in addition and subtraction calculations e.g. $13 - \Delta = 10$	Begin to use a letter symbol to represent an unknown number.		PFWK y123 p. 25, 29, 31, 37, 39, 41 PFWK y456 p. 34, 36, 44, 46