

Key learning

using sounds, light and a

Use logic for conditional commands, including 'else'

range of movements.

movements.

function.

Program Ozobots to move in different ways including

Use sensors with conditionals to get Ozobots to avoid objects in their path.
Use loops to repeat

Can a robot get through an obstacle course?





Compu

Empowered Learner: (



- Use what I know to use new technology effectively
- Solve my own technology problems.

Compar nortal



- Desig
- Detection
- Break
- Use s

- ams
- otve



Key vocabulary

		eg vocabatarg		
	Sensors	Detects and measures when objects get too close.		
	Detecting	To discover or identify objects using sensors.		
	Conditionals	These tell a computer to run different codes depending on the conditions.		
	Debugging	Finding and fixing problems in a computer program or algorithm.		
	Logical operator	A type of operator that you can use to make conditional code more specific.		
,	For loop	Grouping tasks together and giving them a number of times to run together.		
	Error	A mistake that requires debugging to occur.		
	Algorithm	A set of rules for the Ozobot to follow.		
	Proximity	How near something is to the robot.		



Coding - Our Learning Journey

Year 1/2

- Using simple commands to move and change direction
- Editing characters and backgrounds
- Using repeat functions
- Debugging simple programmes

Year 3/4

- Using different controls and conditionals - when and if commands
- Creating and editing functions
- Detecting and correct simple algorithm errors

Year 5/6

- Using a range of sequences and functions to accomplish specific goals in the most efficient way.
- Using comparison and logical operators in a range of programmes
- Design, write and debug computer games

