

National Curriculum Links: KS1 Computing

 understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions

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What is the difference between an

- create and debug simple programs
- use logical reasoning to predict the behaviour of simple programs
- I can tell you what a **program** is
- I can tell you what an event is
- I know programs need an event to begin
- I can give and follow instructions, which include direction and turning command several in order
- I know that computers need precise instructions
- I can plan use logical reasoning to predict outcomes
- I can create a program that contains several commands for a device or software programme
- I can debug a program independently that has caused an unexpected outcome
- I can use different events to start my programs timing / on click / on button press

Computer Science Vocabulary

computer science	BBC Bitesize Computing KS1 Computer scientists design new	algorithm and a program?	
	software, solve computing problems and		
	develop different ways to use	Important:	
computational	involves looking at a problem and	Always plan your program	
thinking	working out a way a computer might be	Then test your program	
t	able to help you solve it.	If the out come was not what you	When planning your program you need to think about:
algorithm	a set of instructions in everyday	If the out-come was not what you	Where do I want my program to start?
U	language, e.g 'get ready for school', 'go	predicted	What do I want my BeeBet / sprite to do?
	out to play'	Debug	How many sprites do you pood?
program	a precise set of instructions for a	Re test 🔬 🤇	How many sprites do you need?
	computer		Does my Beebol/sprite need to pause, change direction?
decompose	breaking a program down into smaller		Input program / test / debug
	steps		
debugging/	Identifying and correcting mistakes when		Itse an event block to
deglitching	the program doesn't work as expected		Scratch
abstraction	being able to focus on the problem and		start your Program
	ignoring detail, focus on program before		Reset program
	hackground	Laft Dicht	SDDITE using Scratch
Input / output	data or information that a computer	Left Right	
mput / output	receives in or displays out		when space • key pressed mouse 50 steps
unplugged	computer science without using the		
	computer		Choose Ch
event blocks	all programs need an event which acts		Stage Background when this softe dirked
	like a start button		New backdrop:
mathematical	Directional language- backward, left,		move 60 steps wait 2 seconds
language	right, angles, clockwise / Anti-clockwise		
		Backwards	Add new sprite