

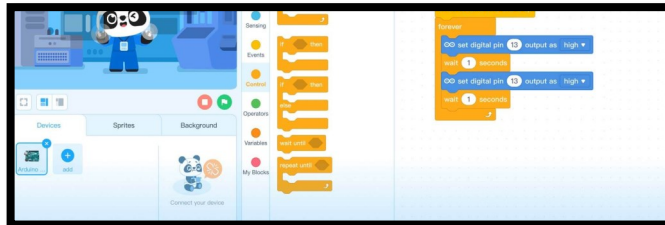
Vocabulary

event	something that can happen while a program is running, such as an ar-
variable	an object which stores information, such as a timer or score
algorithm	a series of steps or instructions
conditional	a block which will only be activated if another action occurs
sequence	a series of programming instructions in a certain order
loop	a repeating set of instructions
upload	transfer information from one device onto another

Knowledge Organiser



Year 4 Coding Robot



Learning at home

Codey uses a program which is based on Scratch. Practise your coding skills at home using this website:

<https://scratch.mit.edu/>

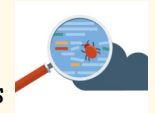
Key Facts

Codey uses Scratch, a coding language designed specifically for children to use.



There are over 700 coding languages, but the main ones are Java, html and python

Debugging is the process of finding out what is wrong with your code and making changes. It is thought that the term was coined when a moth was found in a large computer in the 1940s, but the term was used before this time.



When you put Scratch blocks together, you can produce an algorithm. This is a series of instructions which show how to perform a task.

Questions to deepen your learning...

Character	Critical Thinking	Creativity	Communication	Citizenship	Collaboration
What characteristics are important in order to be able to create and debug code?	How can I make Codey perform more than one action?	Can I produce an animation on Codey's display panel?	Can I explain to my partner how I made Codey perform a certain task?	Can you think of any jobs which might involve using coding?	How can my partner and I share our skills to make a more complex sequence of instructions for Codey?

Teacher Assessment

Learning Objective	Working Towards	At Expected	Above Expected
Can I upload a sequence of instructions onto Cody?			
Can I program Cody using Conditional blocks?			
Can I explain and use the two different types of loop?			
Can I program Cody to perform more than one task?			

Self Assessment

What went well...	Even better if...