



Y2 Thinking like a computer scientist

Programming: My Robot Helper

Scratch Junior

Key Knowledge:

What Is ScratchJr?

ScratchJr is an app which lets you create your own interactive stories and games. Programming blocks are joined together to make characters move and act in different ways.

Creating a Programming Script

Programming blocks are joined together to create a programming script. Most scripts start with a Triggering Block and finish with an End Block.



Debugging

Sometimes a script doesn't work exactly how we want it to. This might be caused by an error in the algorithm. If an algorithm doesn't work how you expect it to, you need to debug it by finding and fixing the error. You might need to try more than once to fix the problem -

Learning Questions

Can I develop a design idea for a robot?

Can I write Algorithms?

Can I design my robot?

Can I record a voice for my robot?

Can I correctly sequence the algorithm?

Can I record a voice for my robot?

Can I correctly sequence the algorithm?

Vocabulary

Algorithm	A list of step-by-step instructions that a computer follows in order to get a task done. ScratchJr calls this a script.
Background	An image that appears on the stage, behind the characters.
blocks	Puzzle-shaped pieces that are used to create the script.
character	An image that appears on the stage, behind the characters.
Debug	To find, remove or correct errors in a computer program.
Programming area	The area on ScratchJr where blocks are joined together to form the script.
Script	An algorithm that controls a character and is created by joining blocks together in the programming area.
Stage	The area where the script is played. You can view the characters moving here as they perform their algorithms.