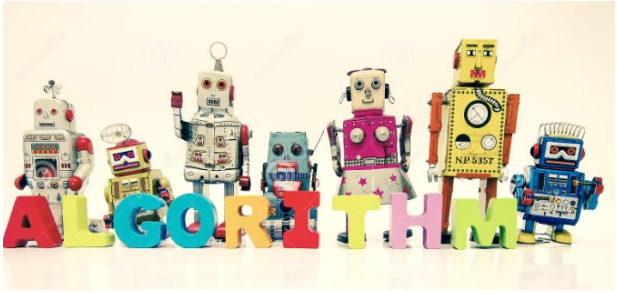
Robot algorithms

Construction

Prior Knowledge

In KS1 we have explored instructions in different forms. We have used and programmed bee-bots.



Key Vocabulary

Tier 1: left, right, forward

Tier 2: robot, instruction, mat, route

Tier 3: Preposition, debug

My Component Knowledge:

Lesson 1: I can give simple instructions.

Lesson 2: I can make predictions by using instructions.

Lesson 3: I can make mats and routes.

Lesson 4: I can identify what I like about the school environment.

Lesson 5: I can work with a partner to create algorithms.

Lesson 6: I can debug algorithms.

My Composite Knowledge:

I can learn about algorithms when creating a simple programme.

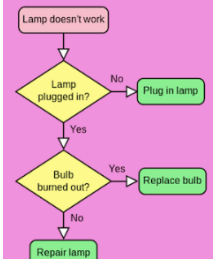
My Powerful Knowledge:

I can consider how algorithms can help us. I can work collaboratively to give simple instructions and predict whether they will be followed. I can consider how debugging helps to improve algorithms.

What is an algorithm?

How does an algorithm help us?

Algorithm



A list of steps that you can follow to finish a task.

Can you follow a set of instructions?