Computing—Robots

Innovation

Prior Knowledge

Year One have explored computers and are beginning to understand that humans program them.

Key Vocabulary

Tier 1: instruction, left, right, forwards, backwards, moving, following

Tier 2: sequence, command, precise, accurate, programming, predicting, memory

Tier 3: algorithms

My Component Knowledge:

Lesson 1: I can explain what a given command will do.

Lesson 2: I can act out a given and understand why we need to be accurate when giving instructions.

Lesson 3: I can combine forwards and backwards commands to make a sequence .

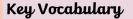Lesson 4: I can combine four directions commands to make a sequence.

Lesson 5: I can plan a simple program.

My Composite Knowledge:

I am able to explain how to give commands in order and why it is important for these to be precise. I can plan my own sequence of commands.

My Powerful Knowledge:

I know that computers and programme by humans . I am beginning to understand the early programming concepts that are used to program robots (technology).

What do we mean by command?

How does a robot know what to do?

What does 'sequence' mean?

What do Robots do for us?