Programming Animations

Construction

WINKLEIGH Primary School

Prior Knowledge

Reception: Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.

Year One: Previous programming unit: Moving a robot.

My Component Knowledge:

Lesson 1: I can choose a command for a given purpose.

Lesson 2: I can join together a series of commands.

Lesson 3: I can see what happens when I change a value.

Lesson 4: I can include more than one sprite.

Lesson 5: I can choose appropriate sprites and backgrounds.

Lesson 6: I can create my design and test my algorithms.

My Composite Knowledge:

I know what algorithms are and how they are used in digital devices.

My Powerful Knowledge:

know that instructions must be precise and unambiguous. I can create and debug simple programs and use logical reasoning to make predictions.

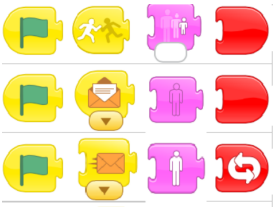
Key Vocabulary

Tier 1: tools, block, join, background.

Tier 2: commands, programming, series, value, evaluate.

Tier 3: sprite, Bee Bots, algorithms.

What could you change?

Did your program work?

What is the same about Bee Bot and Scratch Jr?