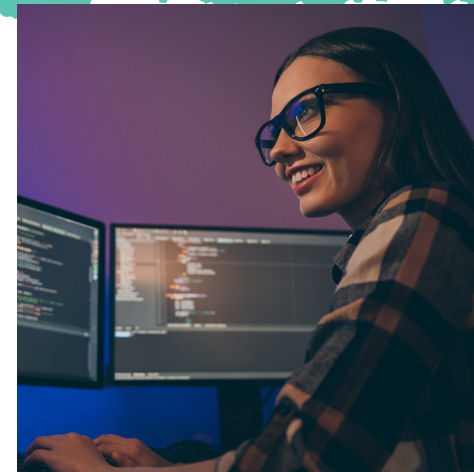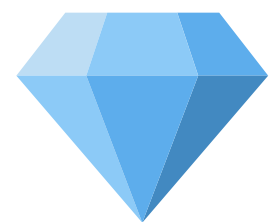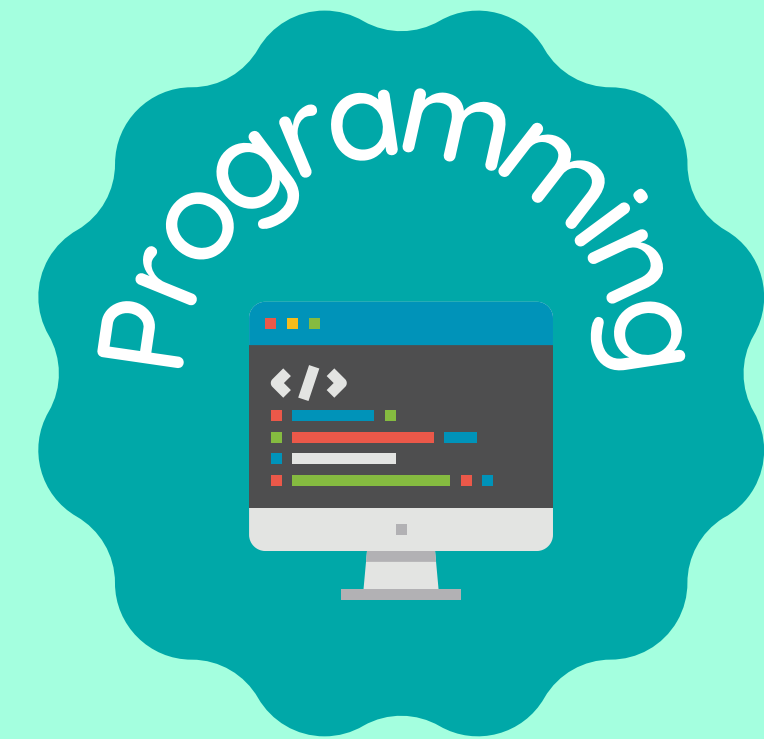# Programming Animations

I have already learned:

- To create my own set of instructions to make a BeeBot move
- To find and fix problems in my instructions
- To design and use my own algorithm
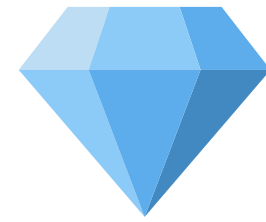- To predict what will happen from a set of instructions

KNOWLEDGE GEMS
I am going to learn:

- To use commands to make a sprite move
- To join a series of commands together
- To start commands with a **start** block
- To select different sprites and backgrounds
- To give different instructions to different sprites
- To change values in a command block to make the sprites move in a different way

Outcome:

To create a 'Space Race' animation, with a background and using more than one sprite which move in different ways.

Careers in programming

Video Game Programmer
Designing and creating algorithms for video games

Programming

Vocabulary

Term	Definition	
sprite	A character or object that can be given instructions	
block	A button that is used in Scratch Jr to give instructions	
command	An instruction given to a computer	
program	A set of commands that you tell a computer to complete	
algorithm	A list of instructions that tell you what to do step by step	
debug	To fix problems in a set of instructions	

Computer Science
How computers work and how they are made.
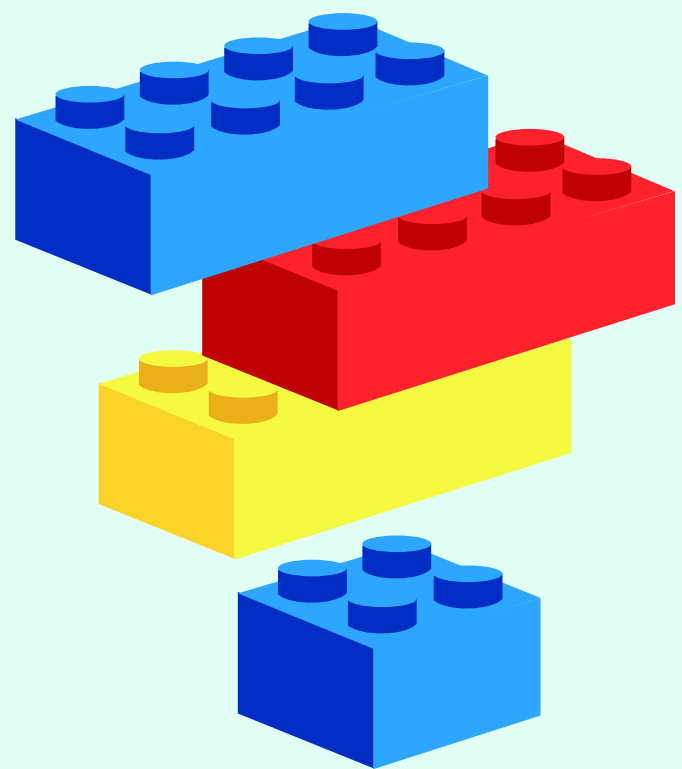
Information Technology
How to use computers to create digital content.

Digital Literacy
How to be safe and responsible on computers.

Which strands of computing have you been learning about today?

Building Blocks to E-Safety

E-Safety Tips
- Always ask a grown-up for help when using technology, and never use them without permission.
- Always handle technology gently, so you don't break it or get hurt yourself.
- Remember to take breaks and stretch your body while using computers or tablets

Useful Links

CODEMONKEY
WRITE CODE. CATCH BANANAS. SAVE THE WORLD.

Try it at home!

Can you create a list of instructions for a family member to follow? Can you think about how to make your instructions better?