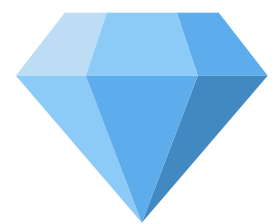
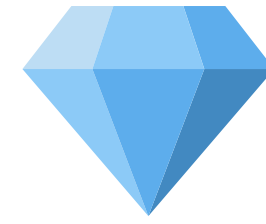


I have already learned:

- That an instruction given to a computer is called a **command**
- That a list of instructions is called an **algorithm**
- How to select sprites, backgrounds and blocks in Scratch
- How to sequence blocks to make a program



KNOWLEDGE GEMS



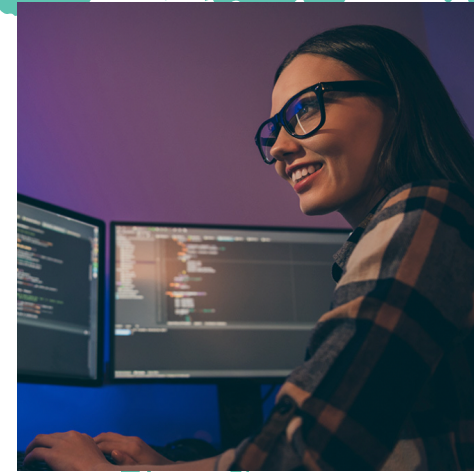
I am going to learn:

- How to make a Sprite move in four directions
- How to change the size of my Sprite to fit a background
- How to use the pen extension blocks
- How to change the size and colour of my lines
- How to debug my programs

**Outcome:**

To design, code and test my own maze challenge program in Scratch.

Q Careers in programming x



**Video Game Programmer**

Designing and creating algorithms for video games



Vocabulary

<b>algorithm</b>	A list of instructions that tell you what to do step by step
<b>program</b>	A set of ordered commands that can be run by a computer to complete a task
<b>event</b>	Something which happens in a program, such as a sprite being clicked or a button being pressed, which triggers an action ( <b>input</b> )
<b>action</b>	Something which happens in response to an event, such as a sprite moving ( <b>output</b> )
<b>error</b>	A mistake in a code
<b>debug</b>	To find and fix errors in a code



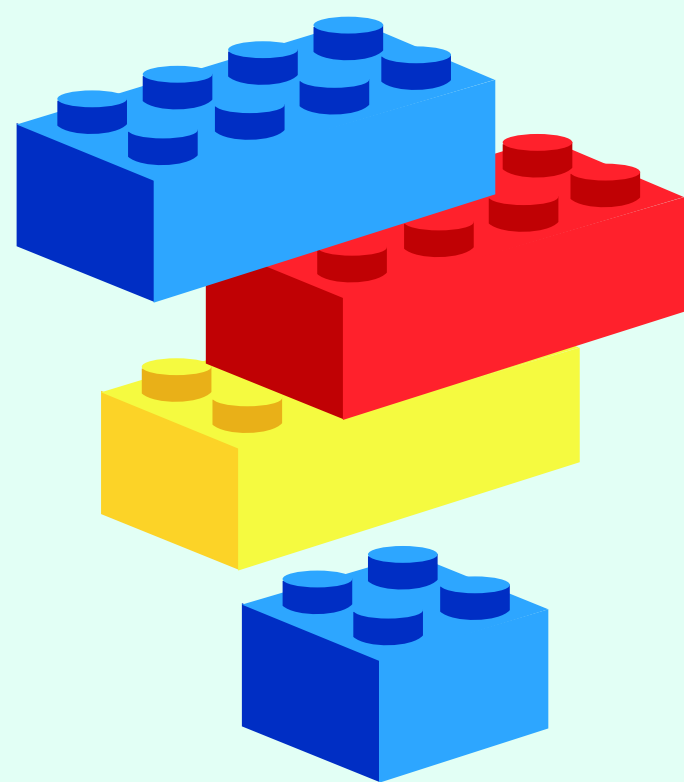
How computers work and how they are made.

How to use computers to create digital content.

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

- Be careful when downloading or installing programs on your computer. Only download programs from trusted sources, like your parents or teachers.
- Be cautious when using computers that are shared with others. Make sure that you close down or log out of everything that you have been using when you have finished.
- Don't click on links you don't recognise. If you click on something you shouldn't have, step away from the computer and tell a trusted adult straight away

## Useful Links



Lesson 1  
Scratch link



Lesson 2  
Scratch link



Lesson 3  
Scratch link



Lesson 4  
Scratch link



Lesson 5  
Scratch link A



Lesson 5  
Scratch link B



Lesson 6  
Scratch link