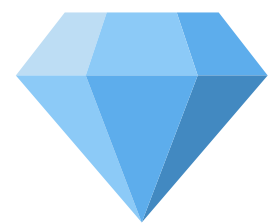
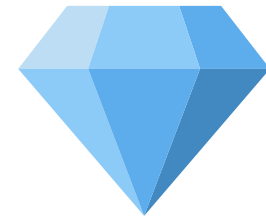


I have already learned:

- How to make a sprite move in four directions
- That a list of instructions is called an **algorithm**
- How to sequence blocks to make a program
- How to select, insert and change the size of sprites
- How to change the background in Scratch



KNOWLEDGE GEMS



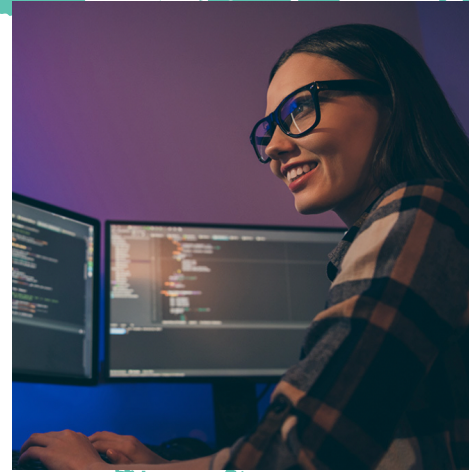
I am going to learn:

- To explain that a variable has a name and a value
- To decide where in a program to change a variable
- To choose the artwork for my project
- To create algorithms for my project and test them
- I can identify ways that my game could be improved

Outcome:

To design, code and test my own catching game using variables in Scratch.

Q Careers in programming x



Video Game Programmer

Designing and creating algorithms for video games



Vocabulary

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



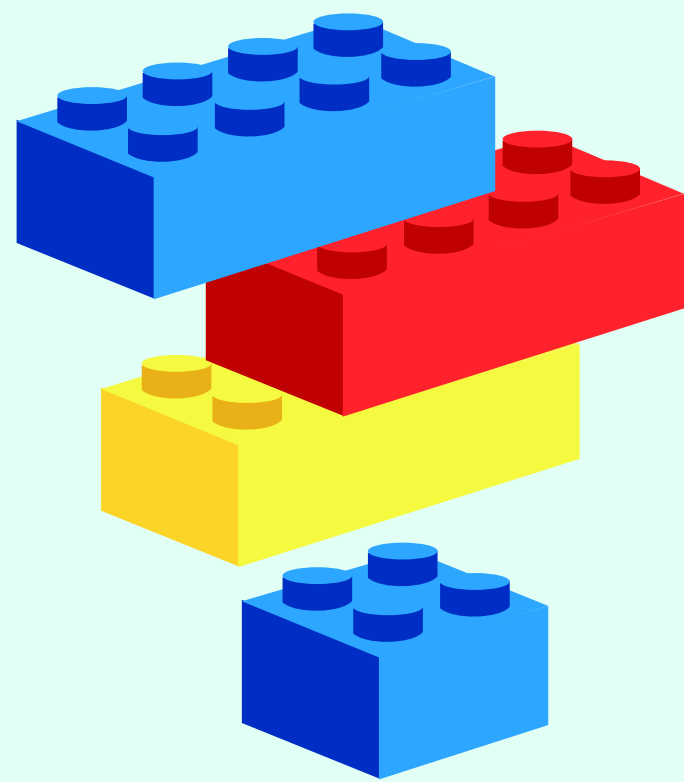
How computers work and how they are made.

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?

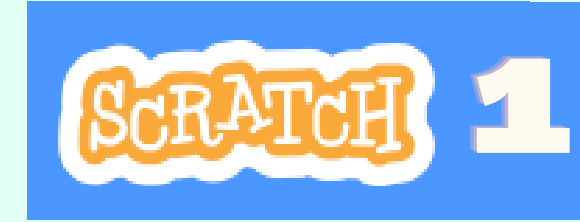
Building Blocks to E-Safety



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



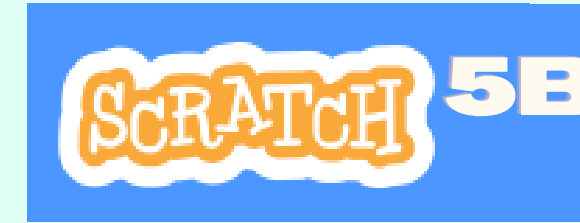
Lesson 4A
Scratch link



Lesson 4B
Scratch link



Lesson 5A
Scratch link



Lesson 5A
Scratch link



Lesson 6
Scratch link