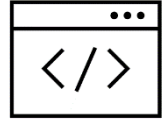


YEAR 5/6
SUMMER

COMPUTING

We Are Game Developers



Coding

VOCABULARY

variables	a value that can be changed
algorithm	a sequence of precise instructions or steps (sometimes a set of rules) to achieve an objective
background	scenery and other unchanging elements in a game
bug	an error or mistake in a program or algorithm, causing the computer or robot to behave in a manner that was not originally intended
code	instructions (or sometimes rules) that can be understood by a computer
debug	correct mistakes in a computer program or algorithm
Iterative development	a trial and improvement approach in which each successive version builds on the previous one by the fixing of mistakes or the adding of features
Logical reasoning	a systematic approach to solving problems or deducing information using a set of universally applicable and totally reliable rules
program	an automated solution to a problem
scratch	simple, block-based programming language in which programs for characters are built by snapping together code blocks
sprite	a graphical character in a program that can be given its own sequence of instructions

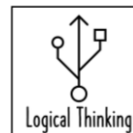
WHAT SHOULD I ALREADY KNOW?

- That games need to be debugged
- What variables are and how to use them
- How to use selection and repetition when creating a simple educational computer game.
- How to consider input and out when designing a user interface.

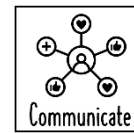
STICK KNOWLEDGE

- Garage band and audacity can be used to create original sounds.
- Use scratch to create a game and to use these key skills (as well as being able to define them) repetition, sequence, selection and variables.
- Give suggestions on how to debug and the importance of this.
- I can run tests on programs and discuss steps to correct errors.

Weaving Concepts



Logical Thinking



Communicate



Online Safety

Aya Kyogoku is a Japanese video game director and producer. She is the current manager of Nintendo's Entertainment Planning & Development Group No. 5, which oversees the Animal Crossing, Splatoon, and Wii Sports franchises. The first title that Kyogoku directed, Animal Crossing: New Leaf, went on to sell over 12 million copies.

