

Computing (Computer Science) – Year 6 How is a computer game made?

Big Idea:

Computer games are made by people using advanced coding.

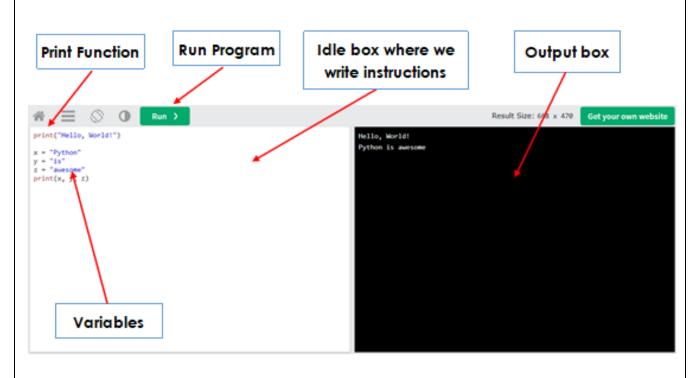
What should I already know?

• How to adapt an algorithm depending on the type of input.

What will I know by the end of this unit?

- How to use Python to code, understanding the role of 'variables' and 'functions'.
- How to design and create a game using Python code.

Python:



Key vocabulary:

Python	A computer language used to build websites and other
	digital content e.g. games.
Variables	The information given and changed in an algorithm on
	Python.
Functions	A piece of Python language that performs a specific task.
Print	The function used to type text.
lf/Else	Something used in Python to alter a function's output
	depending whether a statement is true or false.
'For' Loops	A way of repeating a function endlessly in Python.
Range	Something used in Python to make a sequence of numbers