





During the project you will apply programming concepts and terminology you developed during your Y7 and Y8 Python. As key terms are introduced use the spaces provided to record their meaning – remember they apply to ANY programming language around the world!

	Key term:	Definition:	Show an example of it being used/in context
13A	Data Types	A data type a particular kind of data item, as defined by the values it can take, the programming language used, or the operations that can be performed on it.	Integer = 2 Float = 1.5
14B	Flow chart symbol:	 Decision	Draw a flowchart for tying your shoes laces.
	Flow chart symbol:	 Process	
	Flow chart symbol:	 Input and output	
	Flow chart symbol:	 Start or End	
15A	Variable	Used within an algorithm to save inputted data. This is used only once.	ChapterOneoption = input()
15A	Global Variable	Used within an algorithm to save inputted data. This can be used more than once.	Name = input()

15A	Casting	Casting is when you convert a variable value from one type to another.	This is, in Python, done with functions such as <code>int()</code> or <code>float()</code> or <code>str()</code> .
15A	Selection	This is used to let the use select and option within the algorithm. This is normally written with IF, ELIF and ELSE.	if <code>ChapterOneoption == "a"</code> : <code>print("You have selected A. Runaway")</code>
17A	Subroutine/Routine/Modular	Subroutines are used to organise the algorithm into chapters which can be called within the algorithm.	Example: <code>def ChapterOne():</code>
20B	Array	An array is a data structure that stores values of same data type.	An array in Python is known as a list and will look like: <code>ListName = ['milk', 'eggs', 'bread']</code>
20B	2D Array	An array which is also a data structure but will store different types of data and records.	A 2D array in python could be used to store shopping items AND the number required e.g: <code>ListName = [['milk', '2'], ['eggs', '6']]</code>
20B	Append	Term used to describe when a value is changed or updated within an Array.	<code>ListName.append ("Bread")</code> Would add 'Bread' to the beginning of the list.
20B	Del	Term used to remove a value from an Array	<code>Del ListName [2]</code> Would remove whatever is in position 2 in the list (counting from 0)