Year 9: ASK Yourself!

Subject: Computer Science
Unit: Term 3

	Launching 1-2	Developing 3-4	Progressing 5-6	Mastering 7-9
Skills				
Lists **Arrays**	I can use for loops to print the elements of a list. I can use for loops to print a 2D array.	I can use loops to iterate to the end of a list. I can use loops to iterate to the end of a 2D array.	I can use index() to find a value in a list. I can print the values in a 2D array in table format using iteration.	I can read lines from a text file into a list. I can use iteration to search a 2D array.
For Loops	I can identify when instructions need to be repeated a definite number of times.	I can repeat a block of instructions a definite number of times.	I can use a for loop to count up in defined steps.	I can use a for loop to count down.
While Loops	I can identify when instructions need to be repeated an indefinite number of times.	I can repeat a block of instructions an indefinite number of times.	I can use nested while and for loops.	I can explain the difference between definite and indefinite loops.
Branching	I can use an if statement to carry out a block of instructions.	I can use if and else to select appropriate blocks of code.	I can use if, elif and else to select appropriate blocks of code.	I can use complex conditions with if statements.
Knowledge				
Python	I can use Python with support.	I can use Python with some support.	I can use Python to solve a problem.	I can explain how to solve a problem using Python.
Flowcharts	I know the symbols needed to create a flowchart.	I can create a basic flowchart.	I can create a flowchart that helps support planning for a project.	I can create a flowchart that will enable me to effectively plan a project.

Top down Diagrams	I know what a Top Down Diagram is.	I can create a basic Top Down Diagram.	I can create a top Down Diagram that helps support planning for a project.	I can create a Top down Diagram that will enable me to effectively plan a project.
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