



Age Related Milestones: Computer Science

Year 9 AO	Meeting (You can demonstrate these skills most of the time)	Exceeding (You can demonstrate these skills most of the time)
<b>1 - Computer Systems</b> - Networks	I can explain what a computer network is and explain the advantages and disadvantages. I can identify 3 network layouts.	I can explain advantages/disadvantages of 3 different network layouts. I am able to add non-workstation hardware to my diagrams e.g. printers, switches.
<b>2 – Computational thinking, algorithms &amp; Programming</b> - Programming in Python	I can create a simple program in python using input and output functions. I can create a program which prompts the user for input, using sensible variables names.	I can create a more detailed program in python in the form of a maths quiz, which includes the user's name, at least 5 questions, including the score and ranking.
<b>1 - Computer Systems</b> - Database & SQL	I understand what a database is and I can create tables to hold data. I can create a relationship between tables along with create a query and report.	I know what SQL is and I can write SQL statements.
<b>2 – Computational thinking, algorithms &amp; Programming</b> - Algorithm & Pseudocode	I can explain what an algorithm & pseudocode is. I can create a basic algorithm and pseudocode for my maths quiz I completed in Python.	I can create a detailed algorithm and Pseudocode for my maths quiz I completed in Python.