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| Unit | Working towards the skills and knowledge needed | Acquiring the skills and knowledge needed | On track with the skills and knowledge needed | Advancing the skills and knowledge needed | Extending the skills and knowledge needed |
| Unit 1 |  |  | I can produce a simple algorithm that solves a problem. | I can produce an algorithm that solves a problem. | I can compare two algorithms that perform the same task and understand why one algorithm is more efficient than another algorithm. |
|  |  |  | I understand the term algorithm. I understand the term decompose.I understand the term abstraction.I understand the term pattern recognition. | I can apply the term algorithm.I can apply the term decompose.I can apply the term decompose.I can apply the term pattern recognition. |  |
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| Unit 2 |  |  | I can create a simple program that solves a problem using a visual programming language. | I can create a program that solves a problem using a visual programming language. |  |
|  |  |  | I can create a simple program that uses sequences. | I can create a program that uses sequences. |  |
|  |  |  | I can create a simple program that uses selection. | I can create a program that uses selection. |  |
|  |  |  | I can create a simple program that uses iteration. | I can create a program that uses iteration. |  |
|  |  |  | I can look for and correct errors in a simple program. | I can look for and correct syntax errors in a program. |  |
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|  |  |  | I understand the difference between binary and decimal numbers. | I can convert numbers (up to 256) from decimal to binary and from binary to decimal. |  |
|  Unit 3 |  |  | I can identify the main hardware components (CPU, RAM, HDD, PSU and Motherboard) and software components (operating system, application software) that make up a computer system. | I can explain the role the main hardware components (CPU, RAM, HDD, PSU and Motherboard) and software components (operating System, application software) that make up a computer system. |  |
|  |  |  | I understand that devices such as smart phones and tablets are computer systems. | I understand the role of input, output and storage devices. |  |
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|  Unit 4 |  |  | I know how to protect my online identity and privacy.I know what to do if I come across inappropriate content online.I know what to do if an inappropriate person tries to contact me online.I know how to behave responsibly online.I know how to report my concerns. | I know how to protect my online identity and privacy and understand the consequences of not acting.I know what to do if I come across inappropriate content online and understand the consequences of not acting.I know what to do if an inappropriate person tries to contact me online and understand the consequences of not acting.I know how to behave responsibly online and understand the consequences of not acting.I know how to report my concerns and understand the consequences of not acting. | I am able to teach others about how to use technology safely.I am able to teach others about how to use technology respectfully.I am able to teach others about how to use technology responsibly.I am able to teach others about how to use technology securely. |
|  |  |  |  | I can produce digital artefacts that are trustworthy, by finding the information used from two separate sources. | I can produce digital artefacts that are trustworthy, by verifying the information using a number of sources. |
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| Unit 5 |  |  | I can create a simple digital product using an appropriate software application. | I can create a digital product using more than one application that I have selected myself. The digital product is fit for purpose and meets the needs of a given audience. | I can create a complex digital product using a number of applications that I have selected myself. The digital product is completely fit for purpose and fully meets the needs of a given audience. |