

Year 10

Secondary Ready

Term	Topic	Skills addressed	Literacy skills addressed Apprentice Level	Key assessment tasks
Term 1	Skills: Python basics Theory: Program flow control	Basic coding skills (Python) Variables & constants Procedures and functions Algorithms	R: Reading & comprehension for Tests L, S & W: Definitions of key words in the back of books	Checkpoint 1 assessment: End of unit test
Term 2	Skills: Advanced Python Theory: Hardware	Advanced coding skills (Python) systems, computer hardware (CPU, memory, storage)	R: Reading & comprehension for Tests L, S & W: Definitions of key words in the back of books	Checkpoint 2 assessment: Coding project
Term 3	Skills: Coding projects Theory: Data Representation	Problem solving and coding Data representation Software development life cycle	R: Reading & comprehension for Tests L, S & W: Definitions of key words in the back of books	Checkpoint 3 assessment: End of unit test
Term 4	Skills: Practice CAB Theory: Systems development life cycle	Practice CAB – problem solving and coding Prototyping Application testing	R: Reading & comprehension for Tests L, S & W: Definitions of key words in the back of books	Practice CAB
Term 5	Controlled assessment	Programming controlled assessment	W: Written content to be produced for CAB R: Reading & comprehension for Tests L, S & W: Definitions of key words in the back of books	Checkpoint 4 assessment: Practice CAB and end of unit test
Term 6	Controlled assessment	Programming controlled assessment	W: Written content to be produced for CAB R: Reading & comprehension for Tests L, S & W: Definitions of key words in the back of books	Traditional controlled assessment

Computer Science Curriculum Map
Year 10
Express

Term	Topic	Skills addressed	Literacy skills addressed Graduate Level	Key assessment tasks
Term 1	Skills: Python basics Theory: Program flow control	Basic coding skills (Python) Variables & constants Procedures and functions Algorithms	R: Reading & comprehension for tests L, S & W: Definitions of key words in the back of books	Checkpoint 1 assessment: End of unit test
Term 2	Skills: Advanced Python Theory: Hardware	Advanced coding skills (Python) Computer hardware (CPU, memory, storage)	R: Reading & comprehension for Tests L, S & W: Definitions of key words in the back of books	Checkpoint 2 assessment: Coding project
Term 3	Skills: Coding projects Theory: Data representation	Problem solving and coding Data representation Software development life cycle	R: Reading & comprehension for Tests L, S & W: Definitions of key words in the back of books	Checkpoint 3 assessment: End of unit test
Term 4	Skills: Practice CAB Theory: Systems development life cycle	Practice CAB – problem solving and coding Prototyping Application testing	R: Reading & comprehension for Tests L, S & W: Definitions of key words in the back of books	Practice CAB
Term 5	Controlled assessment	Programming controlled assessment	W: Written content to be produced for CAB R: Reading & comprehension for Tests L, S & W: Definitions of key words in the back of books	Checkpoint 4 assessment: Practice CAB and end of unit test
Term 6	Controlled assessment	Programming controlled assessment	W: Written content to be produced for CAB R: Reading & comprehension for Tests L, S & W: Definitions of key words in the back of books	Traditional controlled assessment