Year 7 Digital Technologies

Semester One Grade Descriptors

A	B	C	D	E
The student demonstrates an extensive knowledge of algorithms, coding concepts and the Python programming language, including the use of control structures. They are extensively familiar with the use of strings and integers and have an excellent understanding of authenticating and interpreting data from a range of sources. When faced with a complex scenario, they are able to confidently and independently break a problem down to manageable sub-elements and relationships. Furthermore, they are able to provide outstanding assistance to peers by guiding them through a range of problem-solving techniques and articulating strategic thought processes.	The student demonstrates a thorough knowledge of algorithms, coding concepts and the Python programming language, including the use of control structures. They are highly familiar with the use of strings and integers and have a very good understanding of authenticating and interpreting data from a range of sources. When faced with a complex scenario, they are able to confidently break a problem down to manageable sub-elements and relationships. Furthermore, they are able to provide highly effective assistance to peers by guiding them through the use of simple problem-solving techniques.	The student demonstrates a sound knowledge of algorithms, coding concepts and the Python programming language, including the use of multiple variables, decisions, and iteration. They are familiar with the use of strings and integers and have a satisfactory understanding of authenticating and interpreting data from a range of sources. When faced with a standard scenario, they are able to break a problem down to manageable sub-elements and relationships. Furthermore, they are able to proactively seek assistance as required. To improve, they should further develop their knowledge of algorithms and coding concepts by progressing through a greater range of programming exercises.	The student demonstrates a limited knowledge of algorithms, coding concepts and the Python programming language, including the use of variables and decisions. They have some working knowledge of strings and integers and have a basic understanding of authenticating and interpreting data from a range of sources. To improve, they should undertake more regular revision of content and practice techniques to break a problem down to manageable sub-elements and relationships. They also need to read and interpret instructions with greater care and ensure that they are able to proactively seek assistance as required.	The student demonstrates a very limited knowledge of algorithms, coding concepts and the Python programming language, including the use of variables, input and output. They have elementary knowledge of strings and integers and have an incomplete understanding of authenticating and interpreting data. To improve, the student needs to undertake substantial revision of content to become more confident in applying basic problem-solving techniques. They also need to read and interpret instructions with greater care and ensure that they are able to proactively seek assistance as required.