

# Computing Assessment Ladder

## GCSE Qualification: OCR Computing

### Computing KS3 Curriculum

Computing	AO1: Recall, select and communicate	AO2: Apply knowledge, understanding and skills	AO3: Analyse and evaluate	Additional Indicators
% of Total Grade	30%	48%	22%	
A*	Can independently... ...recall, select and communicate a thorough knowledge and understanding of the function, application, merits and implications of a broad range of computer hardware, software and other related technologies. Supporting examples will provide a thorough understanding.	Can independently... ...systematically analyse problems, thoroughly identifying and collecting the information required to solve them from the context of the problem. They apply knowledge, understanding and skills to design and implement effective computer programs which solve these problems. In their solutions, they effectively model situations, acquire and validate input data, sequence instructions, manipulate and process data and present the results of the processing in an appropriate format.	Can independently... .....work systematically and critically evaluate the way they and others use computer technology to solve problems. They iteratively review their work and make improvements where appropriate taking into consideration industry standards. Candidates work systematically and understand and adopt safe, secure and responsible practices. They use ICT to communicate effectively, demonstrating a clear sense of purpose and audience.	Can independently... ...
A	Can independently... ...recall, select and communicate a thorough knowledge and understanding of the function,	Can independently... ...systematically analyse problems, identifying and collecting the information	Can independently... ...work systematically and critically evaluate the way they and others use computer	Can independently... ...

	application, merits and implications of a broad range of computer hardware, software and other related technologies.	required to solve them from the context of the problem. They apply knowledge, understanding and skills to design and implement effective computer programs which solve these problems. In their solutions, they effectively model situations, acquire and validate input data, sequence instructions, manipulate and process data and present the results of the processing in an appropriate format.	technology to solve problems. They iteratively review their work and make improvements where appropriate. Candidates work systematically and understand and adopt safe, secure and responsible practices. They use ICT to communicate effectively, demonstrating a clear sense of purpose and audience.	
B	Can independently... .....recall, select and communicate a detailed knowledge and understanding of the function, application merits and implications of a range of computer hardware, software and other related technologies.	Can independently... ...analyse problems, identifying and collecting most information relevant to solve them from the context of the problem. They apply knowledge, understanding and skills to design and implement computer programs which solve these problems. In their solutions, they model situations, acquire input data, sequence instructions, manipulate and process data and present the results of the processing in a detailed appropriate format.	Can independently... ...systematically review their work and evaluate the way they and others use computer technology to solve problems and make improvements on their work where appropriate. Candidates work using safe, secure and responsible practices. They use ICT to communicate well, demonstrating consideration of purpose and audience.	Can independently... ...
C	Can independently...	Can independently...	Can independently...	Can

	...recall, select and communicate a good knowledge and understanding of the function, application merits and implications of a range of computer hardware, software and other related technologies.	...analyse problems, identifying and collecting some information relevant to solve them from the context of the problem. They apply knowledge, understanding and skills to design and implement computer programs which solve these problems. In their solutions, they model situations, acquire input data, sequence instructions, manipulate and process data and present the results of the processing in a mostly appropriate format.	...review their work and evaluate the way they and others use computer technology to solve problems and make improvements on their work where appropriate. Candidates work using safe, secure and responsible practices. They use ICT to communicate, demonstrating consideration of purpose and audience.	independently... ...
D	Can independently... ...recall, select and communicate a fair knowledge and understanding of the function, application merits and implications of a range of computer hardware, software and other related technologies.	Can independently... ...analyse problems, identifying and collecting basic information relevant to solve them from the context of the problem. They apply knowledge, understanding and skills to design and implement computer programs which solve most of these problems. In their solutions, they model situations, acquire input data, sequence instructions, manipulate and process data and present the results of the processing in a basic appropriate format.	Can independently... ...review their work and evaluate some of the ways they and others use computer technology to solve problems and make some improvements on their work where appropriate. Candidates work using safe, secure and responsible practices. They use ICT to communicate, demonstrating some consideration of purpose and audience.	Can independently... ...
E	Can independently... ...recall, select and communicate	Can independently... ...identify, the information	Can independently... ...review their work and provide	Can independently...

	a basic knowledge and understanding of the function, application merits of computer hardware, software and other related technologies.	relevant to solve them from the context of the problem. They apply basic knowledge, understanding and skills to design and implement basic computer programs which solve these problems. In their solutions they use simple models, collect some necessary data, use simple instructions to process the data and present the results.	basic comments on how they and others use computer technology to solve problems and make simple modifications to improve their work. Candidates demonstrate a basic awareness of the need for safe, secure and responsible practices. They use ICT to communicate, demonstrating basic awareness of purpose and audience.	...
F	Can independently... ...recall, select and communicate a basic knowledge and understanding of computer hardware, software and other related technologies.	Can independently... ...identify, with guidance, the information relevant to solve them from the context of the problem. They apply limited knowledge, understanding and skills to design and implement basic computer programs which solve these problems. In their solutions they use simple models, collect some necessary data, use simple instructions to process the data and present the results.	Can independently... ...sometimes review their work and provide comments on how they and others use computer technology to solve problems and make simple modifications to improve their work. Candidates demonstrate some awareness of the need for safe, secure and responsible practices. They use ICT to communicate, demonstrating limited awareness of purpose and audience.	Can independently... ...
G	Can independently... ...recall, select and communicate a basic knowledge and understanding of computer hardware, software and other	Can independently... ...identify, with guidance, the information relevant to solve them from the context of the problem.	Can independently... ...sometimes review their work and provide comments on how they and others use computer technology to solve problems	Can independently...

	related technologies.	They apply limited knowledge, understanding and skills to design and implement basic computer programs which solve these problems. In their solutions they use simple models, collect some necessary data, use simple instructions to process the data and present the results.	and make simple modifications to improve their work. Candidates demonstrate some awareness of the need for safe, secure and responsible practices. They use ICT to communicate, demonstrating limited awareness of purpose and audience.	
H	Can independently... ...recall, select and communicate a basic knowledge and understanding of computer hardware and software.	Can independently... ...identify, with guidance, the information relevant to solve them from the context of the problem. They apply limited knowledge, understanding and skills to design and implement basic computer programs which solve these problems. In their solutions they use simple models which have simple logic.	Can independently... ...occasionally review their work and provide verbal comments on how they and others use computer technology to solve problems and make simple modifications with some assistance to improve their work. Candidates demonstrate some awareness of the need for safe, secure and responsible practices. They use ICT to communicate, demonstrating limited awareness of purpose and audience.	Can independently...
I	Can independently... ...recall, select and communicate a simple knowledge and understanding of computer hardware and software.	Can independently... ...identify, with guidance, the information to solve a problem. They apply basic knowledge, understanding and skills to design and implement basic computer programs which mostly solve these problems. In	Can independently... ...review their work with assistance in the form of prompts and provide verbal comments on how they and others use computer technology. Candidates demonstrate some awareness of the need for safe,	Can independently...

		their solutions they use simple models which have simple logic.	secure and responsible practices. They use ICT to communicate, demonstrating little awareness of purpose and audience.	
J	Can independently... ...recall and communicate a simple knowledge and understanding of computer hardware and software.	Can independently... ...identify basic requirements, with guidance, the information to solve a problem. They apply basic knowledge, understanding and skills to create a basic design and implement basic computer programs which mostly solve these problems. In their solutions they use simple models which have simple logic.	Can independently... ...review their work after discussions and can provide verbal comments on how they use computer technology. They use ICT to communicate, demonstrating a lack of awareness of purpose and audience.	Can independently...
K	Can independently... ...recall and communicate when prompted a simple knowledge and understanding of computer hardware and software.	Can independently... ...identify a few requirements to solve a problem. They can create a basic computer program that meets some of the requirements. The program created has simple logic.	Can independently... ... provide verbal comments on how they use computer technology. They use ICT to communicate, demonstrating a lack of awareness of purpose and audience.	Can independently...
L	Can independently... ...communicate a simple knowledge and understanding of computer hardware and software.	Can independently... ... work with given requirements to solve a problem. They can create a basic computer program that meets some of the requirements with some assistance.	Can independently... ... provide a few verbal comments on how they use computer technology in their own environment. They use ICT to communicate, demonstrating no awareness of	Can independently...

		The program created has simple logic that may have elements reproduced from other sources.	purpose and audience.	
M	Can independently... ...communicate a few simple facts about computer hardware or software.	Can independently... ...They can create a simple computer program. The program created has simple logic that has elements reproduced from other sources.	Can independently... ...list a few words on how they use computer technology in their own environment. They are aware that they can use ICT to communicate.	Can independently...