



Finham Park School



KS3 Computer Science Assessment Statements – Year 7

Working Towards		Working At		Greater Depth	
I can use at least one software application effectively.	<input type="checkbox"/>	I can use a range of software applications effectively.	<input type="checkbox"/>	I can confidently use more advanced software applications.	<input type="checkbox"/>
I can use google classroom to access my lessons online.	<input type="checkbox"/>	I understand how to use technology to communicate and collaborate with others.	<input type="checkbox"/>	I consistently use technology to effectively collaborate with others.	<input type="checkbox"/>
I know how to create a document and share it with a teacher or other student.	<input type="checkbox"/>	I understand the principles of digital literacy, including how to create, edit and share content.	<input type="checkbox"/>	I competently apply the principles of digital literacy, modifying content to make it suitable for my audience.	<input type="checkbox"/>
I know the difference between computer hardware and software.	<input type="checkbox"/>	I understand the basic principles of computer hardware and software, including input and output devices, storage and processing.	<input type="checkbox"/>	I understand the principle of computer networks and how they work.	<input type="checkbox"/>
I can access the internet safely at school and know who to report cyberbullying to.	<input type="checkbox"/>	I can use the internet safely and responsibly and avoid risks such as cyberbullying and malicious websites.	<input type="checkbox"/>	I know how to protect myself against online threats such as viruses, malware and phishing attacks.	<input type="checkbox"/>
I know how to make a strong password to help keep my data secure.	<input type="checkbox"/>	I know the principles of data protection and privacy.	<input type="checkbox"/>	I know how to behave appropriately online.	<input type="checkbox"/>
I know how to keep myself safe from viruses and malware.	<input type="checkbox"/>	I understand the impact of computing on society and the ethical issues surrounding computing.	<input type="checkbox"/>		
I can give code-based instructions to a computer using a block-based programming language.	<input type="checkbox"/>	I can program basic algorithms using block-based programming languages.	<input type="checkbox"/>	I know how to use programming languages such as Python to create simple algorithms which could include sequencing, selection and loops.	<input type="checkbox"/>
		I know that computers use binary numbers to store data and can convert between binary and denary.	<input type="checkbox"/>	I know how data is represented in binary for images and text.	<input type="checkbox"/>
				I know how data is stored, transmitted and processed.	<input type="checkbox"/>

CURRICULUM INTENT: Students will embrace three aspects of technology; computing, information technology and digital literacy. The main strand will be computing as this will introduce computational techniques that can be applied to everyday problems and most importantly students will appreciate that there are different ways to achieve an outcome. The information technology strand is also achieved through a diverse Creative iMedia curriculum, allowing students to express their creativity.



Finham Park School



KS3 Computer Science Assessment Statements – Year 8

Working Towards		Working At		Greater Depth	
I can use a range of software applications effectively.	<input type="checkbox"/>	I can confidently use more advanced software applications.	<input type="checkbox"/>	I can confidently use a range of advanced software applications.	<input type="checkbox"/>
I understand how to use technology to communicate and collaborate with others.	<input type="checkbox"/>	I consistently use technology to effectively collaborate with others.	<input type="checkbox"/>	I can use a range of collaboration tools safely and effectively.	<input type="checkbox"/>
I understand the principles of digital literacy, including how to create, edit and share content.	<input type="checkbox"/>	I competently apply the principles of digital literacy, modifying content to make it suitable for my audience.	<input type="checkbox"/>	I can successfully and independently collect and analyse data to use to meet the needs of a variety of audiences.	<input type="checkbox"/>
I understand the basic principles of computer hardware and software, including input and output devices, storage and processing.	<input type="checkbox"/>	I understand the principle of computer networks and how they work.	<input type="checkbox"/>	I understand how computer networks are used to share resources and information and how they can be secured.	<input type="checkbox"/>
I can use the internet safely and responsibly and avoid risks such as cyberbullying and malicious websites.	<input type="checkbox"/>	I know how to protect myself against online threats such as viruses, malware and phishing attacks.	<input type="checkbox"/>	I understand the impact of computing on society and the ethical issues surrounding the use of technology, including issues related to privacy, data protection and online behavior.	<input type="checkbox"/>
I know the principles of data protection and privacy.	<input type="checkbox"/>	I know how to behave appropriately online.	<input type="checkbox"/>		
I understand the impact of computing on society and the ethical issues surrounding computing.	<input type="checkbox"/>				
I can program basic algorithms using block-based programming languages.	<input type="checkbox"/>	I know how to use programming languages such as Python to create simple algorithms which could include sequencing, selection and loops.	<input type="checkbox"/>	I can program more complex algorithms using a higher-level language such as Python.	<input type="checkbox"/>
				I know the difference between a linear and binary search and can discuss the relative efficiencies of each.	<input type="checkbox"/>
I know that computers use binary numbers to store data and can convert between binary and denary.	<input type="checkbox"/>	I know how data is represented in binary for images and text.	<input type="checkbox"/>	I know how text, images and sound are represented by binary.	<input type="checkbox"/>
		I know how data is stored, transmitted and processed.	<input type="checkbox"/>		
		I can use Boolean logic and illustrate its use in simple circuits.	<input type="checkbox"/>		




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Finham Park School



KS3 Computer Science Assessment Statements – Year 9

Working Towards		Working At		Greater Depth	
I can confidently use more advanced software applications.	<input type="checkbox"/>	I can confidently use a range of advanced software applications.	<input type="checkbox"/>		
I consistently use technology to effectively collaborate with others.	<input type="checkbox"/>	I can use a range of collaboration tools safely and effectively.	<input type="checkbox"/>		
I competently apply the principles of digital literacy, modifying content to make it suitable for my audience.	<input type="checkbox"/>	I can successfully and independently collect and analyse data to use to meet the needs of a variety of audiences.	<input type="checkbox"/>	I am able to select appropriate software for a given purpose.	<input type="checkbox"/>
I understand the principle of computer networks and how they work.	<input type="checkbox"/>	I understand how computer networks are used to share resources and information and how they can be secured.	<input type="checkbox"/>	I understand how key computer hardware and network devices function.	<input type="checkbox"/>
I know how to protect myself against online threats such as viruses, malware and phishing attacks.	<input type="checkbox"/>	I understand the impact of computing on society and the ethical issues surrounding the use of technology, including issues related to privacy, data protection and online behavior.	<input type="checkbox"/>		
I know how to behave appropriately online.	<input type="checkbox"/>				
I know how to use programming languages such as Python to create simple algorithms which could include sequencing, selection and loops.	<input type="checkbox"/>	I can program more complex algorithms using a higher-level language such as Python.	<input type="checkbox"/>	I know how to program nested selection, loops and functions in a higher-level language.	<input type="checkbox"/>
		I know the difference between a linear and binary search and can discuss the relative efficiencies of each.	<input type="checkbox"/>	I can explain how sorting algorithms such as the bubble sort, insertion sort and merge sort function, along with the benefits and drawbacks of each.	<input type="checkbox"/>
I know how data is represented in binary for images and text.	<input type="checkbox"/>	I know how text, images and sound are represented by binary.	<input type="checkbox"/>	I can add and subtract binary numbers.	<input type="checkbox"/>
I know how data is stored, transmitted and processed.	<input type="checkbox"/>			I can use a binary shift to multiply or divide binary numbers.	<input type="checkbox"/>
I can use Boolean logic and illustrate its use in simple circuits.	<input type="checkbox"/>			I understand more complex Boolean logic diagrams and their uses in circuits.	<input type="checkbox"/>

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