

Year Group: Year 7
 Term: Autumn 1
 Subject: Computing
 Topic: 7.1 Digital Literacy



Climbing Higher

Name: _____ Form: _____

7CP1: Mr Hanif
 7CP2: Mr Hanif
 7CP3: Mr Hanif
 7CP4: Mr Kewin
 7CP5: Mr Kewin

Computing Group:

Date given: Monday 19th OCTOBER 2020 Date to hand in: Monday 2nd NOVEMBER 2020

Level achieved in this Home Learning Booklet:	Effort in this Home Learning Booklet:	Achievement Points this Home Learning Booklet:
	A	A for Effort = 3 Achievement Points
	B	B for Effort = 2 Achievement Points
	C	C for Effort = 1 Achievement Points
	D	D for Effort = 0 Achievement Points

Teacher feedback: Teachers will tick the appropriate boxes and highlight the appropriate terms when giving feedback on the work completed

WWW (what went well)		EBI (even better if)	
<input type="checkbox"/>	You understand how to choose an effective password.	<input type="checkbox"/>	You understood what made a strong password.
<input type="checkbox"/>	You understand about malware and the various types.	<input type="checkbox"/>	You understood what the various types of malware were.
<input type="checkbox"/>	You understand the responsibility of the different components of a computer system.	<input type="checkbox"/>	You knew what the various components of a computer system did and how they worked.
<input type="checkbox"/>	You can create a flowchart using the correct symbols.	<input type="checkbox"/>	You understood what the main symbols of a flowchart were and when to use them correctly.

Other Feedback:

Student response:

TASK 1: Using the word search below, find the 20 Computer Science key terms. (20 marks)

A G P S K A F M D F M L E O V I L C
P A N R O R P O F T E A S K L P I S
P N L I O F O P Q F M P U M G R C M
L G P X M C T W L V O T O L C R O M
I F G I L M E W T E R O M U E N T N
C U P S C F A S A E Y P I E I F W E
A D B U Y R L R S R N T N T O A R Q
T W K W H R V F G O E L O S A A P T
I D R A O B Y E K O R R O G W T U B
O T E N R E T N I S R R R D A P A A
N W N T Q U Q A M Q C P R G N M X D
S T U P T U O D Q I M A X I C X E J
T R G F R U O X M E H W V M C B M S

APPLICATIONS
DATA
INPUT
LAPTOP
MONITOR
OUTPUT
SCREEN

APPLE
GAMES
INTERNET
MEMORY
MOUSE
PROCESSOR
SOFTWARE

CIRCUIT
HARDWARE
KEYBOARD
MICROSOFT
NETWORK
PROGRAMMING

TASK 2: When choosing a password which 5 criteria is the most important? (5 marks)

It must be difficult to guess	
It must not be your name	
It must include upper and lower case letters	
It must include symbols such as #	
It should be no longer than 4 characters long	
The word 'password' is a good password	
It should be 7 characters or above in length	
You should tell your friends in case you forget it	
You should write it down in case you forget it	
You should not change it regularly.	

TASK 3: For each of the statements about Copyright below, state whether it is True or False.

The copyright law was created in 1988	
Copyright is a legal concept enacted by governments	
Copyright protects creative or artistic works	
The term of protection is usually the life of the author plus 70 years	
You do not have to ask for permission before you use the work of an artist	

TASK 4: Match the E-Safety key terms with the correct definitions.

Programs that can attack computers, tablets, phones and other digital devices.
Emails that trick you into giving away your personal information such as your username and password.
The bullying of another person using the internet (social media, text messages or emails), mobile phones and other digital devices.
People who visit other people's social media accounts and leave distasteful messages.
Software that protects a computer from malware.
A piece of hardware or software that monitors communications coming in from and going out to the internet

Malware
Anti-virus
Cyber Bullies
Firewall
Trolling
Phishing

TASK 5: For each question there is one correct answer. Place a tick next to the correct answer.

1. If you receive an email from a well-known company, but its name is misspelt in the sender's address, you should:
 - (a) click on the link in the email to check if it's genuine
 - (b) reply, pointing out the error
 - (c) report it as a possible phishing scam
 - (d) forward the email to a friend to check

2. A phishing email is one which:
 - (a) requests a payment for goods you have not received
 - (b) offers you products in which you may have no interest
 - (c) encourages you to click on a link to a fraudulent website
 - (d) contains abusive and threatening language

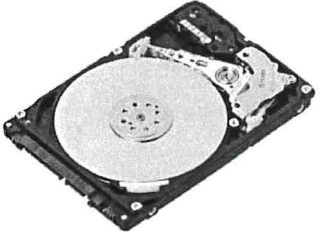
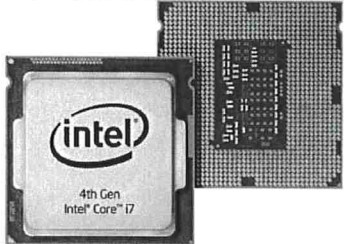
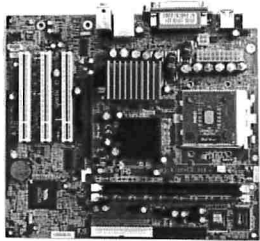



3. Hacking is illegal under:
 - (a) The Data Protection Act
 - (b) The Computer Misuse Act
 - (c) Copyright Law
 - (d) Health and Safety Law

4. You can protect yourself against spam or fraudulent emails by:
 - (a) using a spam filter
 - (b) never clicking on links that you are suspicious of
 - (c) being aware of different types of fraudulent email
 - (d) all of the above

5. You can protect your files from unauthorised access by:
 - (a) only allowing your friends and family to know your passwords
 - (b) making frequent backups
 - (c) choosing a strong password and changing it regularly
 - (d) never using computers in a public place such as a library

6. To avoid your computer being infected by malware, you should not:
 - (a) Download music or software from illegal sites
 - (b) open emails from people you don't know
 - (c) open email attachments
 - (d) post personal details on social networking sites






TASK 6: For each of the parts of a computer system describe what the component is responsible for doing.

Hard Disk		
Central Processing Unit		
Motherboard		
RAM		
Graphics Card		
Power Supply		

TASK 7: Every computer-controlled system needs a sequence of instructions called a program. Flowcharts are diagrams that use special symbols to describe the steps needed in a program and the order in which they must be carried out.

Create a flowchart for getting up for school. The steps you might include are as follows:

Leave the house, Get out of bed, Has the alarm gone off? Get washed,
Get dressed, Go back to sleep, Pack school bag.

Symbol	Name	Function
	Start/end	An oval represents a start or end point.
	Arrows	A line is a connector that shows relationships between the representative shapes.
	Input/Output	A parallelogram represents input or output.
	Process	A rectangle represents a process.
	Decision	A diamond indicates a decision.