

Write your name here

Surname

Other names

Centre Number

Candidate Number

**Edexcel GCSE**

# Information and Communication Technology

## Unit 1: Living in a Digital World

Sample Assessment Material  
**Time: 1 hour 30 minutes**

Paper Reference  
**5IT01/01**

**You do not need any other materials.**

Total Marks

### Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*

### Information

- The total mark for this paper is 80.
- The marks for **each** question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*
- Questions labelled with an **asterisk** (\*) are ones where the quality of your written communication will be assessed  
– *you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.*

### Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ►

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Any High is a secondary school with over 1000 students age 11–19. It makes extensive use of ICT for teaching and learning, as well as administration. The school has a virtual learning environment (VLE) which students can log in to from home.



S 4 1 1 4 9 A 0 3 2 2

**Laptop A****Laptop B**

<b>Processor speed</b>	1.6 GHz	<b>Processor speed</b>	2.1 GHz
<b>RAM</b>	1 GB	<b>RAM</b>	3 GB
<b>Internal hard drive</b>	160 GB	<b>Internal hard drive</b>	500 GB
<b>Battery life</b>	5 hours	<b>Battery life</b>	3 hours
<b>Screen size</b>	10.2 inch	<b>Screen size</b>	15.6 inch
<b>Resolution</b>	1024 x 600	<b>Resolution</b>	1366 x 768
<b>Weight</b>	1.3 kg	<b>Weight</b>	2.8 kg
<b>Optical storage</b>	None	<b>Optical storage</b>	8x DVD-ROM
<b>Built-in webcam</b>	No	<b>Built-in webcam</b>	Yes

**Laptop C****Laptop D**

<b>Processor speed</b>	2.13 GHz	<b>Processor speed</b>	2.53 GHz
<b>RAM</b>	4 GB	<b>RAM</b>	8 GB
<b>Internal hard drive</b>	500 GB	<b>Internal hard drive</b>	640 GB
<b>Battery life</b>	4 hours	<b>Battery life</b>	2 hours
<b>Screen size</b>	16.4 inch	<b>Screen size</b>	17 inch
<b>Resolution</b>	1600 x 900	<b>Resolution</b>	1900 x 1200
<b>Weight</b>	3.2 kg	<b>Weight</b>	5.5 kg
<b>Optical storage</b>	Blu-ray HD play back, 8x DVD-RW	<b>Optical storage</b>	8x DVD-RW
<b>Built-in webcam</b>	Yes	<b>Built-in webcam</b>	Yes



Answer ALL questions. Write your answers in the space provided.

Some questions must be answered with a cross . If you change your mind about an answer, put a line through the box  and then mark your new answer with a cross .

1 The school wants to buy laptops for Year 7 students.

(a) (i) Which **one** of these laptops could be used for the longest time without recharging?

(1)

- Laptop A
- Laptop B
- Laptop C
- Laptop D

(ii) Which **one** of these laptops has the largest storage capacity?

(1)

- Laptop A
- Laptop B
- Laptop C
- Laptop D

(b) Year 7 students will take their laptops with them to to all lessons.

Describe **one** feature of a laptop that makes it suitable for this purpose.

(2)

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.....



(c) The students will sometimes use their laptops for video conferencing in lessons.

(i) Laptop B has a built-in webcam.

Give **one** reason why a built-in webcam may be more convenient than an external one.

(1)

(ii) The students will use headsets when video conferencing.

State **one** advantage of using a headset.

(1)

(iii) Sometimes after plugging in a headset the sound cannot be heard.

Give **one** reason for this.

(1)

(iv) When using a headset is it important to ensure that the volume is set to an appropriate level.

Give **two** reasons for this.

(2)

1 .....

.....

2 .....

.....



(d) The students will use the laptops in English lessons to watch films. They want to watch high quality films on optical disk.

Which **one** of these laptops would be **most** suitable?

(1)

Laptop A

Laptop B

Laptop C

Laptop D

(e) Students will sometimes need to produce short video clips.

They could use the built-in webcam to capture video.

(i) State **two** other devices they could use.

(2)

1 .....

2 .....

(ii) Explain why Laptop D would be best for editing video.

(2)

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.....  
.....  
.....

**(Total for Question 1 = 14 marks)**



2 Harry is a Year 7 student. He is doing a project on volcanoes.

(a) Harry uses a search engine to find out about volcanoes.

(i) Describe the purpose of a 'search engine'.

(2)

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(ii) Harry enters the phrase **volcanic eruptions** into a search engine, but finds too many results.

How could Harry ensure that only web pages with the exact phrase he is looking for are found?

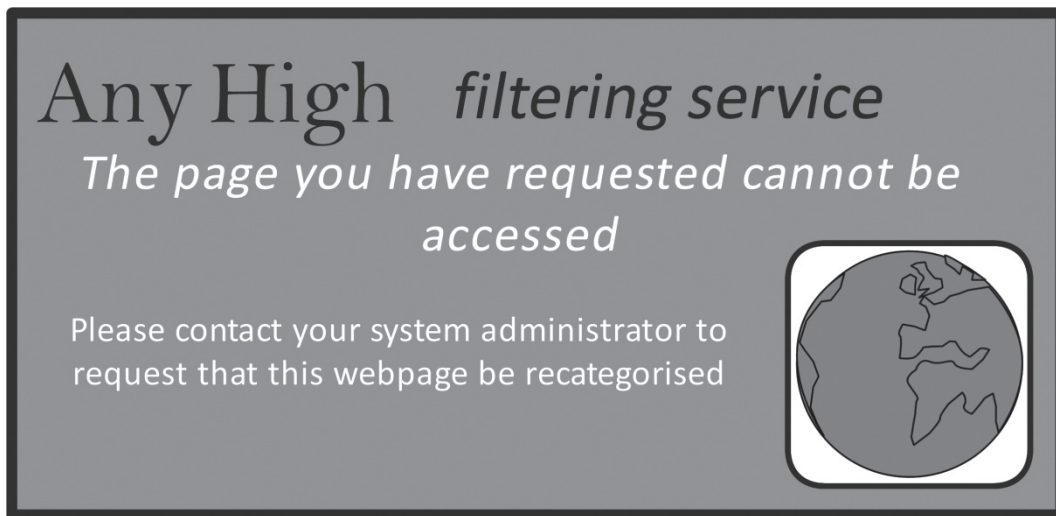
(1)

- A Use a different phrase
- B Use quotes around the phrase
- C Use a different search engine
- D Check his spelling





(iii) When Harry clicks on an image he cannot view the page and sees this message:



Why is this?

(1)

- A He has clicked the wrong mouse button
- B The internet connection is not available
- C The image resolution is too high
- D The webpage is blocked

(iv) Give **two** benefits of using the internet for research.

(2)

1 .....

2 .....



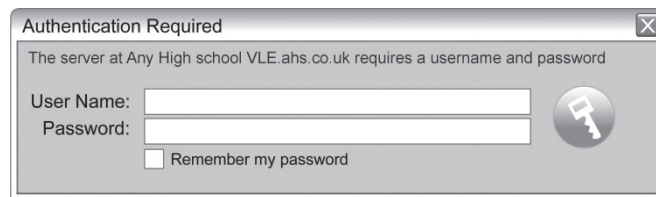
(v) Harry has a video of a volcano on his smartphone.

State **one** method Harry can use to transfer the video from his phone to the school network.

(1)

(b) The school has a virtual learning environment (VLE).

(i) When Harry logs on to the VLE at his friend's PC he sees this dialogue box:



Give **one** reason why he should not tick the 'Remember my password' checkbox.

(1)



(ii) Harry uses the VLE to check his timetable at home.

Describe **two** other ways the VLE can help Harry with his school work.

(4)

1 .....

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.....

.....

2 .....

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(iii) State **two** drawbacks of relying on the VLE.

(2)

1 .....

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2 .....

.....

**(Total for Question 2 = 14 marks)**

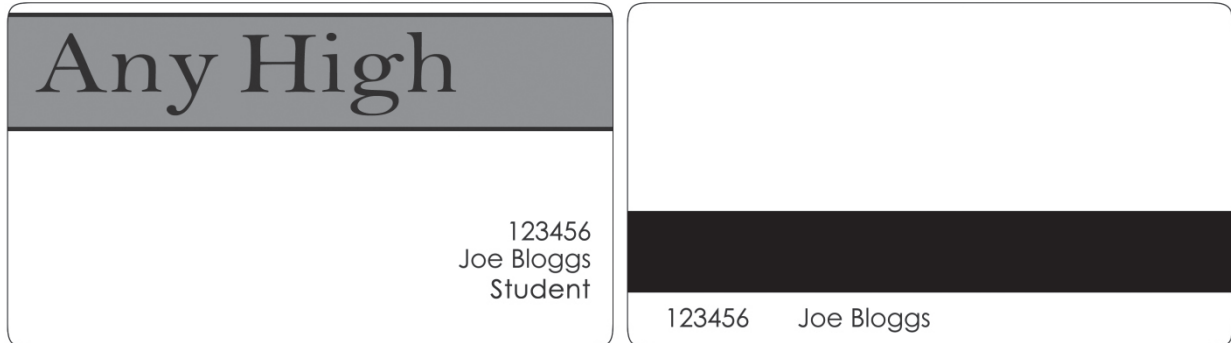


- 3 (a) Any High school uses an online database system to store information about students.

Every student is issued with a unique swipe card.

FRONT

BACK



- (i) There is a magnetic stripe on the back of the swipe card.

Which **one** of these items of data is most likely to be stored on the magnetic stripe?

(1)

- A Date of birth
- B ID number
- C Name
- D Times late

- (ii) When Harry swipes his card his photo appears on the screen.

Give **one** reason for this.

(1)

- (iii) Harry's time of arrival is stored in the database.

Give **one** reason why this data is stored.

(1)



(iv) An automated text message is sent to Harry's parents if he does not swipe in on time.

Describe **one** benefit to the school of doing this.

(2)

.....

.....

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.....

(b) The canteen uses a pre-payment system. Harry's parents top-up his dinner money account online.

(i) When Harry goes to the till his card is swiped and details of his food items are entered.

State **two** things the system must do before updating Harry's dinner money account.

(2)

1 .....

.....

2 .....

.....

(ii) Harry's mother uses a credit card to top-up his dinner money account. She must enter the name and number shown on the card.

State **two** other items of information from the card she must enter.

(2)

1 .....

.....

2 .....

.....



(iii) Describe **one** benefit to Harry's parents of making online payments.

(2)

## PAYONLINE Any High

[Home](#) [My account](#) [Log out](#)

Welcome > Mr Smith

Harry Smith > Meals > w/c 15/3/10

Day	Item	Cost	Quantity	Amount
Monday	Chips	£0.62	2	£1.24
Monday	Sausage	£0.42	1	£0.42
Monday	Beans	£0.16	1	£0.16
Tuesday	Pizza	£1.30	1	£1.30
Tuesday	Cola	£0.55	1	£0.55
Wednesday	Chips	£0.62	1	£0.62
Wednesday	Beans	£0.16	1	£0.16
Thursday	Chips	£0.62	1	£0.62
Thursday	Cheese Burger	£1.10	1	£1.10
Friday	Chips	£0.62	1	£0.62
Friday	Fish	£1.15	1	£1.15
Friday	Cola	£0.55	2	£1.10

(c) The system keeps a record of what Harry buys each day.

(i) Describe **two** ways that the system might be used to help Harry improve his eating habits.

(4)

1

2



(ii) The school stores personal information about students.

Which law requires organisations to keep personal information secure?

(1)

- A Computer Misuse Act
- B Data Protection Act
- C Health and Safety Act
- D Copyright Act

**(Total for Question 3 = 16 marks)**

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4 Jenny is in Year 12. She likes to use a social networking website to keep in touch with her friends.

(a) (i) State **two** ways that Jenny can use the social networking website to communicate with her friends.

(2)

1 .....

.....

2 .....

.....

(ii) Jenny is planning her birthday party.

Describe **two** features of the social networking website that she could use to help her plan the party.

(4)

1 .....

.....

.....

.....

2 .....

.....

.....

.....





(b) This is Jenny's profile page.

JENNY'S PAGE      EMAIL      VLE

← → ↻ ↗ <http://socialnetworksforstudents2011.net>

Jenny's profile is: PUBLIC / PRIVATE

SAY SOMETHING HERE.....  
(you have not said anything since 10:03am)      SAY IT!

10:03am      Soooooo looking forward to the prom!!!!

Message JENNY now!

YESTERDAY      Can't wait to go to the park tomorrow night. See you there at 6pm?

MONDAY      Is totally bored of Maths. Wish I was in ICT!!!!

MONDAY      Loves her new profile pic

Jenny's details:

Contact: jenny\_is\_a\_jem@myself.com  
Female  
Attends: Any High, HX8 8RF

GPS is... ON

Jenny is in :  
HX8 8RF

NEED PROM DRESSES?

New school crest...  
UURRGH!!!

(i) List **three** changes that Jenny could make to her profile page to improve her security.

(3)

- 1 .....
- 2 .....
- 3 .....



(ii) Jenny's smartphone automatically updates her profile with her current location whenever she logs on to the social networking website.

Which **one** of these technologies does it use to do this?

(1)

- A** GPS
- B** Bluetooth
- C** MMS
- D** Infrared

(iii) Jenny notices an advert for prom dresses on her profile page.

Explain how the social networking website has selected this advert for her.

(2)

.....

.....

.....

.....



\* (c) Discuss the benefits and drawbacks of using the internet to socialise.

(6)

A series of horizontal dotted lines for writing the answer.

**(Total for Question 4 = 18 marks)**



5 The school has bought some wireless e-book readers.

(a) (i) Describe **two** advantages of e-book readers over printed books.

(4)

1 .....

.....

.....

2 .....

.....

.....

(ii) Give **two** disadvantages of e-book readers over printed books.

(2)

1 .....

.....

2 .....

.....

(b) Jenny streams videos to her e-book reader. Sometimes the videos do not play smoothly.

Give **two** possible reasons for this.

(2)

1 .....

.....

2 .....

.....



(c) Students can use web-based software on their e-book readers.

One benefit is that web-based software does not take up storage space on the e-book reader.

Give **two** disadvantages of working this way.

(2)

1 .....

.....

2 .....

.....

(d) Students can view websites on their e-book readers.

Explain why some companies provide a mobile version of their website.

(2)

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\* (e) Discuss the impact of netbooks, e-book readers and other digital devices on the way students learn.

(6)

Area with horizontal dotted lines for writing the answer to the question.

**(Total for Question 5 = 18 marks)**

**TOTAL FOR PAPER = 80 MARKS**



Mark Scheme

Sample Assessment Material

GCSE ICT (5IT01) Paper 1  
Living in a Digital World

## General Marking Guidance

- This mark scheme gives you:
  1. An idea of the type of response expected / acceptable / not acceptable
  2. How individual marks are to be awarded
  3. Specific codes styles used in this mark scheme
  4. Information on how to apply this mark scheme
- All students must receive the same treatment. Examiners must mark the first student in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Students must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the student's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a student's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the student has replaced it with an alternative response.
- Mark schemes will indicate within the table where, and which strands of QWC, are being assessed. The strands are as follows:
  1. *ensure that text is legible and that spelling, punctuation and grammar are accurate so that meaning is clear*
  2. *select and use a form and style of writing appropriate to purpose and to complex subject matter*
  3. *organise information clearly and coherently, using specialist vocabulary when appropriate.*



## **Specific Amplification**

- Each different answer is determined by a bullet point
- / means that the responses are alternatives of the same answer and either answer should receive credit
- sub marks are indicated by (1)

## **Marking**

Only answers that make sense can be credited. Where students are required to describe or explain etc, words/phrases which are put together in a meaningless manner cannot be credited.

Do not award marks for repeat of the stem of the question.

- The answers given in the mark scheme are exemplars and have been written in adult terminology. Credit must be given for answers which convey the same meaning as detailed here as well as correct answers that are not shown here

Question Number	Answer	Do not accept	Additional Guidance	Mark
1 (a) (i)	A			(1)

Question Number	Answer	Do not accept	Additional Guidance	Mark
1 (a) (ii)	D			(1)

Question Number	Answer	Do not accept	Additional Guidance	Mark
1 (b)	<p><b>A description of one feature from:</b></p> <ul style="list-style-type: none"> <li>• Light weight (1) so that it is easy to carry (1)</li> <li>• Small size (1) so that it will fit into a bag/be easier to carry/fit on desk (1)</li> <li>• Long battery life (1) so that it doesn't need to be plugged in to the mains (1)</li> </ul> <p style="text-align: right;">1+1</p>		1 mark for feature and 1 mark for why it makes the laptop suitable	(2)

Question Number	Answer	Do not accept	Additional Guidance	Mark
1 (c) (i)	<p><b>Any one reason from:</b></p> <ul style="list-style-type: none"> <li>• Built-in webcam cannot be lost</li> <li>• Built-in webcam means there are no additional cables</li> <li>• No need to install additional software/no set up time required</li> <li>• Built-in webcam is less likely to get damaged than an external one</li> </ul> <p style="text-align: right;">1x1</p>	<ul style="list-style-type: none"> <li>• Cheaper</li> </ul>		(1)

Question Number	Answer	Do not accept	Additional Guidance	Mark
1(c)(ii)	<p><b>Any one advantage from:</b></p> <ul style="list-style-type: none"> <li>• Provides better clarity/excludes outside noise/noise cancellation</li> <li>• Means that students have their hands free enabling them to take notes/perform other tasks etc</li> <li>• Less distracting for other people in the vicinity</li> </ul> <p style="text-align: right;">1x1</p>	<ul style="list-style-type: none"> <li>• Quieter</li> </ul>		(1)

Question Number	Answer	Do not accept	Additional Guidance	Mark
1(c)(iii)	<p><b>Any one reason from:</b></p> <ul style="list-style-type: none"> <li>• Jack plugged into wrong port</li> <li>• Sound turned down/muted on computer</li> <li>• Sound turned down on headset volume control</li> <li>• Faulty port</li> <li>• Faulty headset</li> </ul> <p style="text-align: right;">1x1</p>	<ul style="list-style-type: none"> <li>• Headset not plugged in</li> </ul>		(1)

Question Number	Answer	Do not accept	Additional Guidance	Mark
1(c)(iv)	<p><b>Any two reasons from:</b></p> <ul style="list-style-type: none"> <li>• To prevent sound from being distorted</li> <li>• High volume can cause hearing problems</li> <li>• So that other people in the room will not be disturbed</li> <li>• So that it is not uncomfortable for the listener</li> </ul> <p style="text-align: right;">2x1</p>			(2)

Question Number	Answer	Do not accept	Additional Guidance	Mark
1(d)	C			(1)

Question Number	Answer	Do not accept	Additional Guidance	Mark
1(e)(i)	<p><b>Any two devices from:</b></p> <ul style="list-style-type: none"> <li>• Hardware video editor/external capture device</li> <li>• Video camera/digital camera</li> <li>• Mobile phone</li> <li>• External/USB webcam</li> </ul> <p style="text-align: right;">2x1</p>	<ul style="list-style-type: none"> <li>• Webcam</li> </ul>		(2)

Question Number	Answer	Do not accept	Additional Guidance	Mark
1(e)(ii)	<p><b>Any one reason explained:</b></p> <ul style="list-style-type: none"> <li>• Has fastest processor/2.53 GHz (1), which means video can be edited and previewed more quickly (1)</li> <li>• Has largest/640 GB hard drive (1), which means more video footage can be stored(1)</li> <li>• Has largest/8 GB RAM (1) which means it can handle larger files (1)</li> <li>• Has highest/1900x1200 resolution screen (1) which allows easier editing/viewing (of HD footage) (1)</li> </ul> <p style="text-align: right;">1+1</p>		An explanation requires linked responses for maximum marks. Individual statement scores 1 mark max.	(2)

Question Number	Answer	Do not accept	Additional Guidance	Mark
2(a)(i)	<ul style="list-style-type: none"> <li>• To find information on the internet/www (1) based on key words/phrases (1)</li> </ul> <p style="text-align: right;">1+1</p>			(2)

Question Number	Answer	Do not accept	Additional Guidance	Mark
2(a)(ii)	B			(1)

Question Number	Answer	Do not accept	Additional Guidance	Mark
2(a)(iii)	D			(1)

Question Number	Answer	Do not accept	Additional Guidance	Mark
2(a)(iv)	<p><b>Any two benefits from:</b></p> <ul style="list-style-type: none"> <li>• Able to locate information anywhere, anytime</li> <li>• Able to gather information from a range/variety of sources</li> <li>• Provides different types of information, e.g. videos/animations</li> <li>• Can use forums to ask for help from other internet users</li> <li>• Online information is likely to be more up to date than printed information</li> <li>• Links between sites help researchers to pursue lines of enquiry</li> <li>• Information found on the web is in digital format making it easier to incorporate into own work</li> </ul> <p style="text-align: right;">2x1</p>	<ul style="list-style-type: none"> <li>• Faster/quicker</li> </ul>		(2)

Question Number	Answer	Do not accept	Additional Guidance	Mark
2(a)(v)	<p><b>Any one method from:</b></p> <ul style="list-style-type: none"> <li>• WiFi</li> <li>• Bluetooth</li> <li>• MMS to teacher</li> <li>• Memory card/stick</li> <li>• 3G connection</li> <li>• Connect to PC via USB/firewire (any acceptable method of connection)</li> </ul> <p style="text-align: right;">1x1</p>	<ul style="list-style-type: none"> <li>• Text message/SMS</li> </ul>		<b>(1)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
2(b)(i)	<p><b>Any one reason from:</b></p> <ul style="list-style-type: none"> <li>• His friend will be able to log onto his account without permission/him knowing</li> <li>• His friend will be able to access/edit/delete his work</li> <li>• His friend will be able to send emails that appear to come from Harry</li> </ul> <p style="text-align: right;">1x1</p>			<b>(1)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
2(b)(ii)	<p><b>Any two ways described from:</b></p> <ul style="list-style-type: none"> <li>• It enables Harry to access his work anytime and anywhere (1) this means that he can work more flexibly (1)</li> <li>• It provides a safe online environment (1) this enables Harry to get feedback from others without being at risk (1)</li> <li>• Harry can upload work he does at home to the VLE (1) this means he can never forget his homework (1)</li> <li>• Harry's teacher can monitor and feedback on his progress more easily (1) allowing them to personalise the tasks Harry is set (1)</li> <li>• It enables Harry to share documents with others (1) this facilitates collaborative working (1)</li> </ul> <p style="text-align: right;">2x(1+1)</p>		One mark for initial point, one mark for additional linked point.	<b>(4)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
2(b)(iii)	<p><b>Any two drawbacks from:</b></p> <ul style="list-style-type: none"> <li>• Dependent on availability/performance of the internet</li> <li>• Technical problems with computer or network may prevent use</li> <li>• Requires students to have suitable computer equipment at home</li> <li>• May require training before it can be used</li> </ul> <p style="text-align: right;">2x1</p>			<b>(2)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
3(a)(i)	B			(1)

Question Number	Answer	Do not accept	Additional Guidance	Mark
3(a)(ii)	<p><b>Any one reason from:</b></p> <ul style="list-style-type: none"> <li>• So no-one else can use Harry's card to get into school</li> <li>• So no-one can impersonate Harry</li> </ul> <p style="text-align: right;">1x1</p>			(1)

Question Number	Answer	Do not accept	Additional Guidance	Mark
3(a)(iii)	<p><b>Any one reason from:</b></p> <ul style="list-style-type: none"> <li>• So the school knows that Harry is on the premises</li> <li>• So that late comers can be identified</li> <li>• So that the school can report to parents</li> <li>• So the schools can report attendance data</li> </ul> <p style="text-align: right;">1x1</p>			(1)



Question Number	Answer	Do not accept	Additional Guidance	Mark
3(a)(iv)	<p><b>Any one benefit described from:</b></p> <ul style="list-style-type: none"> <li>Doesn't require human resources/staff/labour (1) therefore more efficient/less time consuming /less costly (1)</li> <li>Able to manage truancy more effectively (1) because the school is able to inform parents immediately (1)</li> <li>Able to monitor/record student attendance(1) because they have to report attendance to Ofsted/ in order to track truancy(1)</li> </ul> <p style="text-align: right;">1+1</p>		One mark for initial point. One mark for additional linked point.	<b>(2)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
3(b)(i)	<p><b>Any two from:</b></p> <ul style="list-style-type: none"> <li>Check that there is enough money in Harry's account to pay for his food</li> <li>Subtract the amount Harry has spent from the amount in his dinner money account</li> <li>Check if Harry is allowed to order that item</li> </ul> <p style="text-align: right;">2x1</p>			<b>(2)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
3(b)(ii)	<p><b>Any two items from:</b></p> <ul style="list-style-type: none"> <li>Security number</li> <li>Expiry date</li> <li>Issue number</li> <li>Issue date</li> <li>Card type</li> </ul> <p style="text-align: right;">2x1</p>			<b>(2)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
3(b)(iii)	<p><b>One benefit described:</b></p> <ul style="list-style-type: none"> <li>• More secure/safer (1) because Harry doesn't have to carry cash around with him which he might lose/have stolen (1)</li> <li>• More convenient (1) because they don't need to have cash available to give to Harry / can top-up his account anytime / anywhere (1)</li> <li>• Greater control over what Harry does with the money they give him (1) because he can only spend it on food in the canteen / monitor spending online(1)</li> <li>• Greater peace of mind(1) because they know Harry will always be able to get something to eat(1)</li> </ul> <p style="text-align: right;">1+1</p>		<p>One mark for initial point. One mark for additional linked point.</p>	<b>(2)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
3(c)(i)	<p><b>Any two ways described:</b></p> <ul style="list-style-type: none"> <li>• The system could provide nutritional information/suggest healthier alternatives (1) so that Harry is encouraged to make healthier choices (1)</li> <li>• The system could have a pre-set limit on the amount Harry can spend on certain types of foods (1) so that Harry is prevented from eating too much junk food</li> <li>• The system could monitor Harry's food purchases (1) and send him an email warning him to avoid certain food types (1)</li> <li>• The system could produce a weekly report for Harry's parents (1) so that they monitor what he is eating and encourage him to make better choices (1)</li> </ul> <p style="text-align: right;">2x(1+1)</p>		One mark for initial point. One mark for additional linked point.	<b>(4)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
3(c)(ii)	B			<b>(1)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
4(a)(i)	<p><b>Any two ways from:</b></p> <ul style="list-style-type: none"> <li>• Writing on someone's wall/blog</li> <li>• Send them a message/email/using the inbox</li> <li>• Chat</li> </ul> <p style="text-align: right;">2x1</p>			<b>(2)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
4(a)(ii)	<p><b>Any two features described from:</b></p> <ul style="list-style-type: none"> <li>• Organising friends lists (1) to group friends into a guest list (1)</li> <li>• Maps (1) to show location party (1)</li> <li>• Polling (1) to vote on party music/theme (1)</li> <li>• File sharing (1) to distribute lists/invites (1)</li> <li>• Blogging (1) to update party details (1)</li> <li>• Chat (1) to discuss party details (1)</li> <li>• Commenting (1) to respond to others' party suggestions (1)</li> <li>• Picture sharing (1) to show pictures of venue (1)</li> <li>• Create an event (1) to manage attendance and party information(1)</li> </ul> <p style="text-align: right;">2x(1+1)</p>	<ul style="list-style-type: none"> <li>• Games / Quizzes</li> </ul>	One mark for initial point, one mark for additional linked point.	<b>(4)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
4(b)(i)	<p><b>Any three changes from:</b></p> <ul style="list-style-type: none"> <li>• Make her profile private</li> <li>• Change her profile image so it does not show her school uniform</li> <li>• Remove her email address</li> <li>• Remove the postcode of her school</li> <li>• Remove the school crest from favourite images</li> <li>• Remove the link to her IM</li> <li>• Do not list activities on her blog/wall</li> <li>• Deactivate the GPS facility</li> </ul> <p style="text-align: right;">3x1</p>			<b>(3)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
4 (b) (ii)	A			(1)

Question Number	Answer	Do not accept	Additional Guidance	Mark
4 (b) (iii)	<ul style="list-style-type: none"> <li>Track/record/monitor/log her (or her friends') searches/navigation/memberships/tags/posts/comments (1) then return matched advert (1) 1+1</li> </ul>		One mark for initial point. One mark for additional linked point.	(2)

Question Number	Indicative Content
4 (c)	<p><b>Benefits</b></p> <ul style="list-style-type: none"> <li>Grouping of individuals into specific groups, share opinions/ reviews/ Meet and communicate with people to gather and share first-hand information and experiences i.e. cooking, sports, music</li> <li>You can read profile pages of members and select online members/ who you would like to be friends with</li> <li>Promotes diversity, as you can connect with people from around the world and learn about new cultures/ languages / learning new things</li> <li>You can share experiences with others by posting photos and videos</li> <li>Range of media to suit different needs i.e. video cam, voice, chat</li> <li>24*7*365 access to friends- time isn't a barrier</li> <li>Find old friends and reconnect with them</li> <li>Networking with people could help people find new interests/ jobs</li> <li>Removes barriers to communication, as users have various ways of communicating regardless of disabilities i.e. chat, webcam</li> </ul> <p><b>Drawbacks</b></p> <ul style="list-style-type: none"> <li>People behave differently online</li> <li>Online experience is not the same as face to face, gestures and context are not always obvious</li> <li>People might not be who they say they are / cyber-bullying/harassing/stalking/grooming has led to a panic and fear</li> <li>Lack of privacy and 'down-time'</li> <li>Access to inappropriate/misleading content</li> </ul>

<b>Level</b>	<b>Mark</b>	<b>Descriptor</b>
	<b>0</b>	No rewardable content
<b>1</b>	<b>1-2</b>	<p>The student makes a number of simple statements, probably with limited reference to the benefits and/or drawbacks of using the internet to socialise. Their responses are general.</p> <p>The student uses everyday language but their response lacks clarity and organisation. Spelling, punctuation and the rules of grammar are used with limited accuracy.</p>
<b>2</b>	<b>3-4</b>	<p>The student's response is mostly accurate and includes a number of relevant benefits and drawbacks of using the internet to socialise. They make some attempt to argue for/against.</p> <p>The student uses some specialist terms and their response shows some focus and organisation. Spelling, punctuation and the rules of grammar are used with some accuracy.</p>
<b>3</b>	<b>5-6</b>	<p>The student has produced a factually accurate response that includes a range of appropriate benefits and drawbacks. A clear argument is presented.</p> <p>The student uses appropriate specialist terms consistently and their response shows good focus and organisation. Spelling, punctuation and the rules of grammar are used with considerable accuracy.</p>

Question Number	Answer	Do not accept	Additional Guidance	Mark
5(a)(i)	<p><b>Any two advantages described:</b></p> <ul style="list-style-type: none"> <li>• Enhanced accessibility provided by (1) text to speech conversion/language translation/option to change colours and font sizes (1)</li> <li>• Can support / develop understanding (1) by including inline multimedia / hyperlinks to online material (1)</li> <li>• Search facility / Digital index (1) increases the efficiency of research (1)</li> <li>• Can add digital bookmarks (1) to categorise and organise topics (1)</li> <li>• (Non-destructive) opportunities to comment and discuss (1) through the addition of electronic annotation (1)</li> <li>• Information searching made easier (1) by allowing user to categorise sections using keywords (1)</li> <li>• Copying and pasting sections (1) allows quick restructuring of information (1)</li> <li>• More eco friendly than printed books (1) doesn't involve cutting down trees(1)</li> </ul> <p style="text-align: right;">2x(1+1)</p>		One mark for initial advantage. One mark for additional linked point.	<b>(4)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
5(a)(ii)	<p><b>Any two from:</b></p> <ul style="list-style-type: none"> <li>• Not all books available in digital format</li> <li>• Format dependent</li> <li>• Some people may be more comfortable using a paper-based book</li> <li>• Cannot hand-write annotations</li> <li>• Power dependent</li> <li>• Requires connection to internet/download source to get new e-books</li> <li>• Reader could be black and white only</li> </ul> <p style="text-align: right;">2x1</p>			<b>(2)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
5(b)	<p><b>Any two reasons from:</b></p> <ul style="list-style-type: none"> <li>• Internet related problems, e.g. slow connection speed, impact of ISP traffic management, insufficient bandwidth</li> <li>• Hardware performance related issues, e.g. not enough space in cache, inappropriate buffer size</li> </ul> <p style="text-align: right;">2x1</p>			<b>(2)</b>



Question Number	Answer	Do not accept	Additional Guidance	Mark
5(c)	<p><b>Any two disadvantages from:</b></p> <ul style="list-style-type: none"> <li>• Dependent on internet being available</li> <li>• Dependent on service being available</li> <li>• Can be slow</li> <li>• May lack some features found in locally stored software</li> </ul> <p style="text-align: right;">2x1</p>			<b>(2)</b>

Question Number	Answer	Do not accept	Additional Guidance	Mark
5(d)	<ul style="list-style-type: none"> <li>• So that the website displays properly on different sized screens/different platforms (1)</li> <li>to optimise bandwidth (1)</li> </ul> <p style="text-align: right;">1+1</p>			<b>(2)</b>

Question Number	Indicative Content
5(e)	<p>Indicative content for a discussion on the impact of digital devices on the way students learn</p> <p><b>Organisation</b></p> <ul style="list-style-type: none"> <li>• Apps (calendar/alarms/notepad/task lists) can be used to help organise work schedule</li> <li>• Meetings can be arranged using social networking apps/text/phone</li> <li>• Synchronisation with email</li> </ul> <p><b>Accessibility</b></p> <ul style="list-style-type: none"> <li>• Guaranteed access to online materials (where there is a connection)</li> <li>• Screen readers can help some students</li> <li>• Translation tools can help EFL students</li> <li>• Familiar interface</li> </ul> <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• Camera/video camera (recording practical demonstrations/evidence for assessment)</li> <li>• Media player (watching podcasts etc)</li> <li>• Voice recorder (taking notes for future playback)</li> <li>• Can be used as a digital storage device</li> <li>• Apps can be used to complete work on the move (Mobile versions of basic office software/drawing tools, etc)</li> </ul> <p><b>General</b></p> <ul style="list-style-type: none"> <li>• Learning materials can be downloaded and saved for viewing later</li> <li>• Increases experience of using technology appropriately</li> <li>• Improves participation for some students due to new way of working</li> <li>• Provides access to collaborative technologies (hosted applications etc)</li> </ul> <p><b>Positive Impact</b></p> <ul style="list-style-type: none"> <li>• Encourage anywhere, anytime learning-gather, access and process information outside the classroom.</li> <li>• Improve interaction as digital devices helps with online collaboration and communication</li> <li>• Personalised learning-allows for differentiated learning</li> <li>• Rich media- allows for differentiation- different learners different learning styles</li> <li>• Other sources of expert help available online</li> <li>• Can ask for feedback from others online to help improve work</li> </ul> <p><b>Negative impact</b></p> <ul style="list-style-type: none"> <li>• Potential distraction/ students viewing content that is off-topic or playing games, hinder learning capabilities</li> <li>• Unethical behaviour-difficulty monitoring inappropriate content/ distribution by students</li> <li>• Impact on health such e.g. eyestrain, RSI as they will be increasing screen time on top of what they may do outside of the classroom</li> </ul>

<b>Level</b>	<b>Mark</b>	<b>Descriptor</b>
	<b>0</b>	No rewardable content
<b>1</b>	<b>1-2</b>	<p>The student identifies a number of examples of the impact of digital devices, probably with limited reference to the way students learn. Their responses are general.</p> <p>The student uses everyday language but their response lacks clarity and organisation. Spelling, punctuation and the rules of grammar are used with limited accuracy.</p>
<b>2</b>	<b>3-4</b>	<p>The student's response is mostly accurate and includes a number of examples of the impact of digital devices on the way students learn. They make some attempt to justify the identified impacts.</p> <p>The student uses some specialist terms and their response shows some focus and organisation. Spelling, punctuation and the rules of grammar are used with some accuracy.</p>
<b>3</b>	<b>5-6</b>	<p>The student has produced a factually accurate response that includes a range of appropriate examples of the impact of digital devices on the way students learn. Their responses include a justified discussion.</p> <p>The student uses appropriate specialist terms consistently and their response shows good focus and organisation. Spelling, punctuation and the rules of grammar are used with considerable accuracy.</p>