

Computing

Lesson 1: How does Technology impact us?

Impact of Technology

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Task 1 - Student data leak

10m Student's Details Leaked

Having read the above fill out the table below.

Question	Response
What was lost?	
How did it happen?	
What are the consequences?	



Task 2 - Defining the key terms

On this **worksheet**, write a definition for each of the categories of impact.

Privacy	Legal	Ethical	Cultural	Environmental



Task 3 - Categories of impact (1 of 2)

For each of the examples:

Privacy Legal

- Match the example to one of the categories of impact
- Describe what the impact might be

Ethical Cultural Environmental

Example	Category	Impact
Hackers hit A-list law firm of Lady Gaga, Drake and Madonna	Environmental	Very personal data may have been accessed by the criminals, as well as information that could leave them open to blackmail and theft. Both the law firm and the clients are at risk.
In 2017, China built a 250-acre solar farm shaped like a giant panda		



Task 3 - Categories of impact (2 of 2)

Example	Category	Impact
Digital technology is fuelling a loneliness epidemic		
Artificial intelligence: Algorithms face scrutiny over potential bias		
Apple Martin tells off mother Gwyneth Paltrow for sharing photo without consent		



Task 4 - Principles of data protection

For each of the statements on this **worksheet**, tick True or False.

Statement	True	False
The General Data Protection Act 2018 replaced the Data Protection Act 1998?		
The ICO is responsible for ensuring that the organisation stays within the principles of the Data Protection Act.		
Organisations can be fined for the mishandling or misuse of data.		
Personal data can be kept indefinitely.		
It is an responsibility of an organisation to ensure that personal data is accurate and up-to-date.		



Task 5 - Applying knowledge of data protection (1 of 3)

Fill in this **worksheet** describing the issues relating to data protection that Sophia should consider. Use the following questions to help you, and for each suggest which Data Protection principle it relates to:

- How will Sophia collect customers' data?
- What exactly will Sophia use her customers' data for?
- What data will Sophia need to collect?
- How will Sophia ensure customers' data is up-to-date?
- How long will Sophia keep her customers' data for?
- How will Sophia protect her customers' data?



Task 5 - Applying knowledge of data protection (2 of 3)

Issue	Description	How it relates to the DPA? Personal data must...
How will Sophia collect customers' data?	She will need ask permission to collect and store their data and ensure it is well organised.	...fairly and lawfully processed
What exactly will Sophia use her customers' data for?		
What data will Sophia need to collect?		



Task 5 - Applying knowledge of data protection (3 of 3)

Issue	Description	How it relates to the DPA? Personal data must...
How will Sophia ensure customers' data is up-to-date?		
How long will Sophia keep her customers' data for?		
How will Sophia protect her customers' data?		

