Kemnal Technology College – Computer Science Kemnal Key – Year 9 Term 1

Privacy	Protection from being observed or tracked by others, including the government, the public, or selected individuals or groups
Cookies	Small text files placed on your device by the sites you visit that collect information about your device and your activity
Privacy Settings	Choices a website or app might give you about what information is visible to other users and third parties
Opt Out	To choose to not participate in something
Privacy Policy	A legal document that an app or website must provide and that describes what user information they collect and how they use it
Terms of Service	A legal document that an app or website must provide and that describes the rules the company and users must obey when they use the app or website
Consumer	A person who buys products or services to use
Data	Facts and statistics collected together to be used for different purposes
Targeted Advertising	When apps or websites use information they have collected about you to show you certain types of advertisements

KEMNAL KEY QUESTIONS
1. What is meant by Digital Citizenship?
2. What does a phishing email look like?
3. What does the term firewall mean?
4. What information should you never disclose when online?
5. If something goes wrong what should you do?

At Home – Digital Citizen
Review all your social media accounts and your main profiles. Reflect upon what information are you sharing, who is on your friends lists/followers. Are you sharing appropriate content and personal information? Are your privacy settings set so that you feel protected and safe online?

Key issue topic - Wearable Technology
Refers to any form of technology that is worn on the body. Often this technology involves "smart" features, such as connecting and sharing data with computers.

Ethical Issues: Is it right to trust sensitive data such as location data to external companies? Some smart watches could track locations at all times. Some smart glasses or smartwatches contain cameras. This creates many ethical issues around privacy and recording others without permission. Virtual Reality headsets are a major innovation and major concern. Is it ethical to create lifelike, interactive environments that people could lose themselves in?

Legal Issues: Recording people without permission. Having more technology could mean more potential for cyber-crime and hacking. Often security on secondary devices like fitness trackers are not as good as main devices.

Environmental Issues: Potential for environment to suffer if virtual reality industries become common. By creating a new sector of technology, much more energy is being used to make and produce, along with more waste produced from redundant devices.

Malware is software that can harm devices
Typical actions of malware include deleting or modifying files.

Spyware — secretly monitors user actions, e.g. key presses, and sends information to the hacker. Some spyware can even use your webcam without your knowledge.

Viruses — spreads through normal programs and might slow down your device or change your applications and documents.

Worms — spread from device to device and copy themselves hundreds of times. A worm might copy itself onto your email account and then send a copy to all of your email contacts!

Trojan horse — pretends it will be a useful and safe program, when actually it will try to attack your device.

Adware—displays adverts while it is running; some can serve as spyware, gathering information about you from your hard drive, the web sites you visit, or your keystrokes.

Ways to reduce spam
Use a spam filter – most email clients try to stop spam from reaching you by using a spam filter.

Do not give your email address out – if you don't trust the website or if supplying your email address is optional, don't give it to them.