Graphical user interface, text, application

Description automatically generated

**How to appeal specifically to secondary students:** Over-exaggerate on definitions, e.g. explain vulnerabilities, threats, networks etc. Use images.

**An understanding of security mechanisms that can protect information systems.**

* Access control
* CIA triad (Confidentiality, Integrity, Availability)
* Authentication
* Authorisation
* Countermeasure
* Internet of Things
* Secure coding techniques/standards
* Software security
* Privacy engineering
* Privacy by Design (PbD)
* K-Anonymity
* Risk analysis
* Risk management
* Risk register
* Encryptions
* Intrusion detection systems (Host based, network based, hybrid)
* Firewalls
* Static packet filtering
* Hash functions
* Employee behaviour
* Awareness tools
* Training
* Security auditing

**An understanding of the issues around privacy in business information systems**

* Could mention BEC (Business Email Compromise)
* Phishing
* Assets
* Coercion
* Social engineering
* Privacy of data
* Man-in-the-middle attack
* Spoofing

**An appreciation of techniques for mitigating privacy threats through appropriate security controls.**