

# AQA Computer Science GCSE

## 3.6.3 Methods to Detect and Prevent Cyber Security Threats

### Flashcards

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# How does biometric security work?



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A person's unique physical features are used to verify their identity, such as their fingerprint and face.



# What makes a strong password?



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Long, complex, unique, and regularly updated.



How is a CAPTCHA (or similar) used, and what do they involve?



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On websites to check that a user is human and not a bot. CAPTCHAs often involve identifying distorted text, selecting images, or ticking a checkbox.



# What do CAPTCHAs protect against?



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They help protect online forms and services from automated attacks, such as bots trying to guess passwords or flood a site with spam.



# How do email confirmations work to confirm a user's identity?



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When signing up for a service or resetting a password, the system sends a link to the user's email. Clicking the link confirms their identity.



# How do automatic software updates protect devices?



# How do automatic software updates protect devices?

They ensure devices always have the latest security fixes, so that known security vulnerabilities are patched and hackers can't exploit them.

