# Passwords and Entropy – Why Length Beats Clever Tricks

When it comes to password strength, the secret weapon is entropy — which is just a fancy word for how unpredictable your password is. People often think they’re clever by swapping an “o” for a zero, or adding a symbol — but let’s be honest:  
  
When a website asks for a number, we all put a 1 at the end.  
When it wants a symbol, it’s probably a !.  
Upper and lower case? Easy — Cap the first letter.  
  
Cybercriminals know these tricks too. They’re baked into password-cracking tools.  
  
That’s why the NCSC (National Cyber Security Centre) recommends using three random words — something like:  
LemonBoxTrampoline  
It’s long, memorable, and far harder to guess than Password123!.  
  
Longer passwords = more entropy = exponentially harder to crack. You don’t need to make your password hard to remember — just hard to predict.

## Cyber Sam’s Tip:

Most password-cracking tools are built for US, European, or Asian keyboards — and guess what they often don’t have? The £ symbol.  
Not every site allows it, but if it does — it’s your quirky British wildcard. Give it a go: Trampoline£Tunnel£TeaTime