


- **Alan Mills**
- **Lecturer in Cyber Security**
- **Alan.Mills@uwe.ac.uk**
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# ACE CSE TRAINING THE TEACHERS

# Introduction

- Alan Mills - [Alan.Mills@uwe.ac.uk](mailto:Alan.Mills@uwe.ac.uk)



**Position:** Lecturer

**Department:** FET - Computer Science and Creative Technologies

# Introduction

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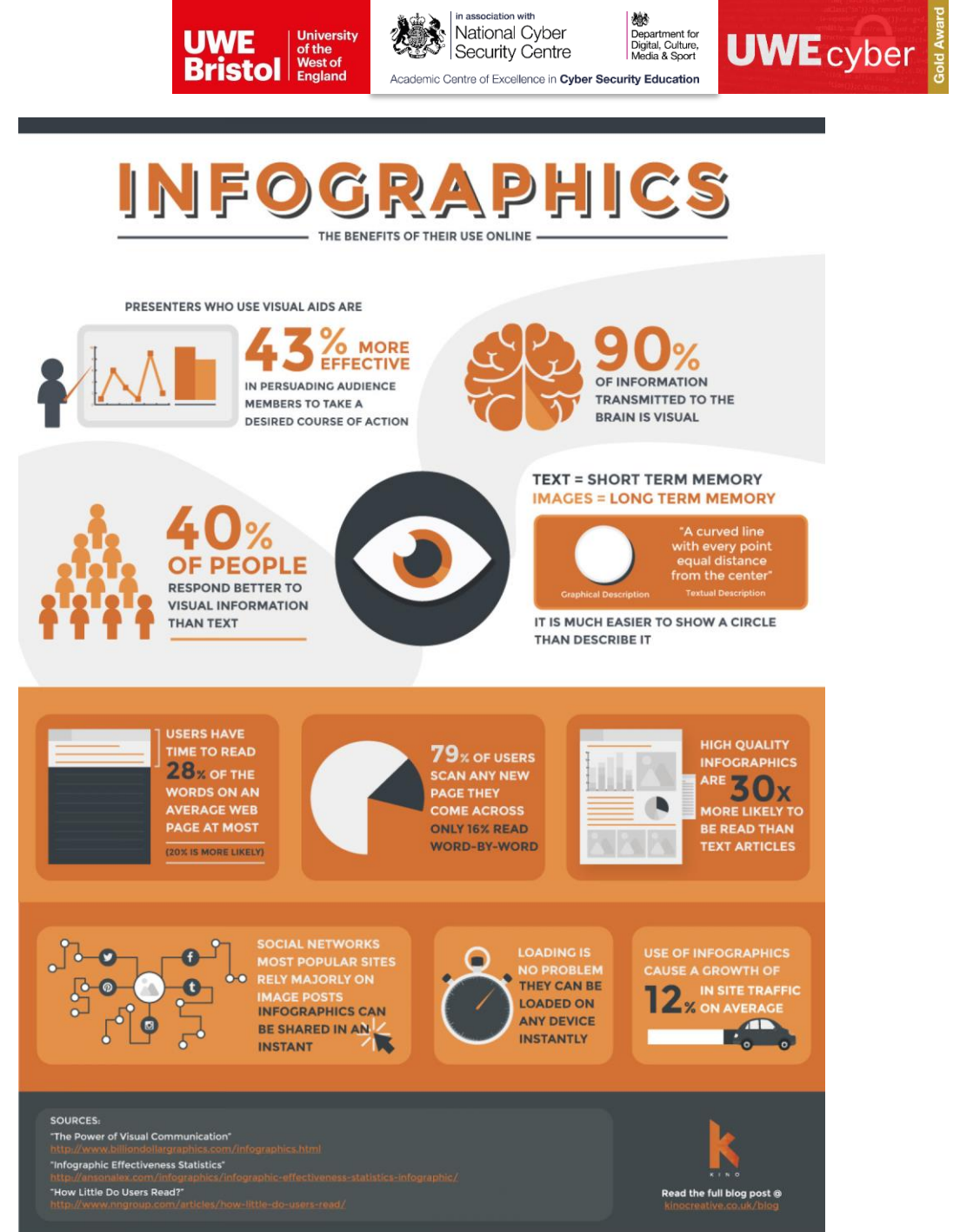
- Cyber Security for Young Adults
- In this workshop we will cover areas of cyber security that:
  - Impact Young Adults – Social media, Digital footprints, etc
  - Interest and Impact Young Adults – Open Source (OS) reporting, verification, etc
  - Interest Young Adults – Capture The Flags (CTFs), “Hacking” resources , etc
- There will (and should be) cross-over between these themes
- We want to get young adults (your students) engaged in cyber security safely

# Deliverable(s)

- Following on from this workshop we want you to put together an infographic that covers the subject of “Cyber Security for Young Adults”
- Ideally with input from your students – But if that proves to be problematic then no problem
- These can then be used as a comparison point for how much you’ve gained from the workshop and hopefully also be used in your own teaching as well

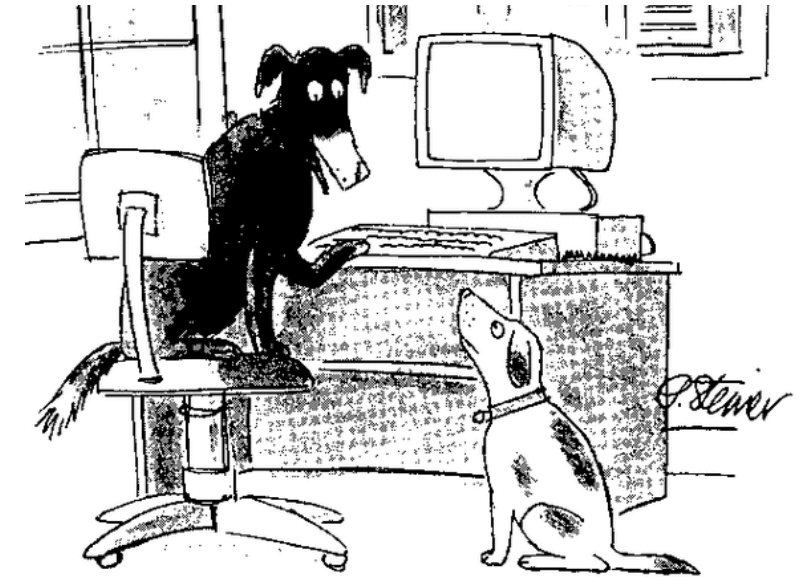
# Infographics – As an infographic

- For those who might not be 100% sure
- I took this example from an online source (visually – link included)
- It doesn't have to be the same template or style
- But it should be used in the same way – Convey key points through images and brief text / stats



# Scope – Workshop

- We will break the day down into sessions – Each one with a focus
  - *Social media, digital hygiene and footprints (AKA the internet NEVER forgets)*
  - *OS reporting, intelligence and verification (The internet; No one knows you're a dog)*
  - *CTFs, "hacking" and online resources (All your bases are belong to me)*



*"On the Internet, nobody knows you're a dog."*

Peter Steiner's cartoon – Originally Published in the New Yorker



# Session 1 - Overview

- Social media, digital hygiene and footprints
  - *Anything you say or send to someone can be immortalised (and weaponised)*
  - *While you can't always trust everything someone says or sends to you*
  - *Incidents of sextortion are sadly on the rise – This impacts both genders*



# Session 1 - Overview

- Social media, digital hygiene and footprints
  - *If you tell BuzzFeed your security answer(s) chances are they aren't secure*
  - *If you use the same password for multiple accounts it only has to be compromised once*
  - *Do you use your phone as much as your computer? Which one has an Anti-Virus?*
  - *Check reviews, ratings and feedback before downloading or buying*

# Session 2 – Overview

- OS reporting, intelligence and verification
  - *OS reporting can be a great tool – But if you can use it so can others*
  - *The rise of fake news and how (or even if) we can verify what we read*
  - *The use of DeepFakes also means that fake news isn't constrained to written word anymore*

# Session 3 – Overview

- CTFs, “hacking” and online resources
  - *CTFs are a great way to improve or gain new skills*
  - *There are plenty of online resources that provide safe, legal hacking playgrounds*
  - *Not everyone who provides help on the internet is actually helping – Especially in “hacking” forums*

# Scope – Timings

- Timings for the day – This is not set in stone, but a rough guide

When	What
0900-1015	Introduction + Social media, digital hygiene and footprints
1015-1030	Coffee break
1030-1200	OS reporting, intelligence and verification
1200-1245	Lunch
1245-1400	CTFs, “hacking” and online resources
1400-1415	Coffee break
1415-1500	Wrap up

# SUMMARY

# Q&A

# Links

- <https://visual.ly/community/Infographics/technology/infographics-benefits-their-use-online>
- [https://en.wikipedia.org/wiki/On\\_the\\_Internet,\\_nobody\\_knows\\_you%27re\\_a\\_dog](https://en.wikipedia.org/wiki/On_the_Internet,_nobody_knows_you%27re_a_dog)
- <https://inews.co.uk/inews-lifestyle/reports-sex-tortion-soaring-uk-how-to-stay-safe-1704431>
- <https://www.cnet.com/tech/tech-industry/coordinated-twitter-hack-hits-elon-musk-obama-kanye-west-bill-gates-and-more-in-bitcoin-scam/>
- <https://www.ncsc.gov.uk/guidance/sex-tortion-scams-how-to-protect-yourself>