

Cybersecurity Education and Awareness



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What is Cybersecurity Education?

Cybersecurity education is training designed to give individuals skills to navigate the digital world and protect systems by being able to prevent threats.

- It is useful for anyone
- Can be used in education, professions, as well as the community
- It can cover minor, more practical skills
- It can also encompass training and certificates for careers in cybersecurity
- It can be learned and taught by anyone

What Cybersecurity Education Could Look Like in Schools

- K-12 Courses
- Education blended with cybersecurity principles
- Test phishing emails to boost recognition and minimize real risk
- Community integrated programs
- Games/simulations

What Cybersecurity Education Could Look Like in the Workplace

- Regular training on proper cyber hygiene and technique
- Regular password resets with requirements
- Preparing staff to handle sensitive data
- Policies
- Easy to access information on what to do and who to contact in case of a breach

The Role of Social Sciences in Creating Effective Programs

- Insight into human behavior
 - insider threats
 - risk and human factors
- Insight into motivations of hackers
 - Psychology, Sociology, and Criminology principles
- Human centered design
 - Infrastructure adapted to be used and understood by humans
 - Integration of cybersecurity into daily life

References

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