



Certificate of Achievement

Matthias Giger

has completed the following course:

INTRODUCTION TO CYBERSECURITY FOR TEACHERS RASPBERRY PI FOUNDATION AND NATIONAL CENTRE FOR COMPUTING EDUCATION

This course provided an introduction to cybersecurity and associated concepts. It covered the threats involved in operating in the digital space. Learners also explored a variety of protections and principles that can be used to detect and mitigate potential damage or loss of data.

3 weeks, 2 hours per week



Dr Sue Sentance
Chief Learning Officer
Raspberry Pi Foundation



The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achievement.

This learner has not verified their identity. The certificate and transcript do not imply the award of credit or the conferment of a qualification from Raspberry Pi Foundation and National Centre for Computing Education.



Raspberry Pi



Matthias Giger

has completed the following course:

INTRODUCTION TO CYBERSECURITY FOR TEACHERS **RASPBERRY PI FOUNDATION AND NATIONAL CENTRE FOR COMPUTING EDUCATION**

This course provided an introduction to cybersecurity and associated concepts. It covered the threats involved in operating in the digital space. Learners also explored a variety of protections and principles that can be used to detect and mitigate potential damage or loss of data.

STUDY REQUIREMENT

3 weeks, 2 hours per week

LEARNING OUTCOMES

- Explain the meanings of terms describing common cyberattacks, such as phishing, pharming, shoulder surfing and blagging
- Evaluate the strength of a password
- Explain the protections offered to users by the Misuse of Computer Act
- Describe different types of cyber attack, such as an "SQL injection attack", and how these can be protected against or mitigated
- Classify different types of malware
- Discuss how "anti-virus" software works

SYLLABUS

- Core concepts of Cybersecurity
- Different types of cyberattacks, such as Social Engineering attacks, Malware, SQL injections, Malicious Bots and physical threats to data, devices and networks
- Tools to protect data, devices and networks, like strong passwords, biometrics, 2FA, antivirus software, Firewalls and CAPTCHAs
- Cybersecurity approaches such as input sanitisation, well designed security protocols, and Data and Network Access Control systems