Industry Resource Links

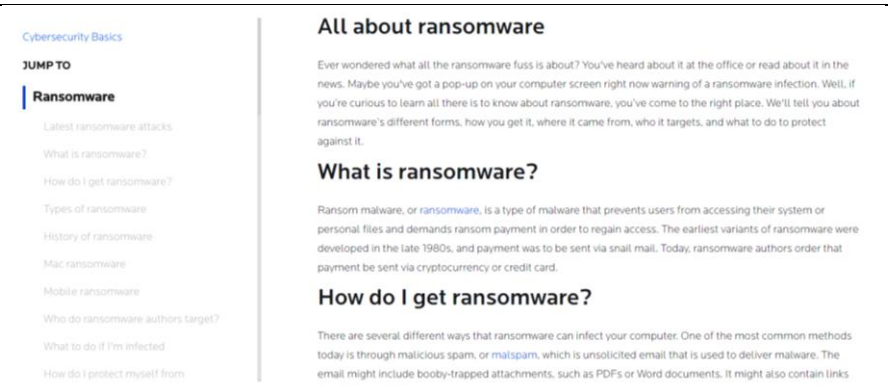
Topic: Security

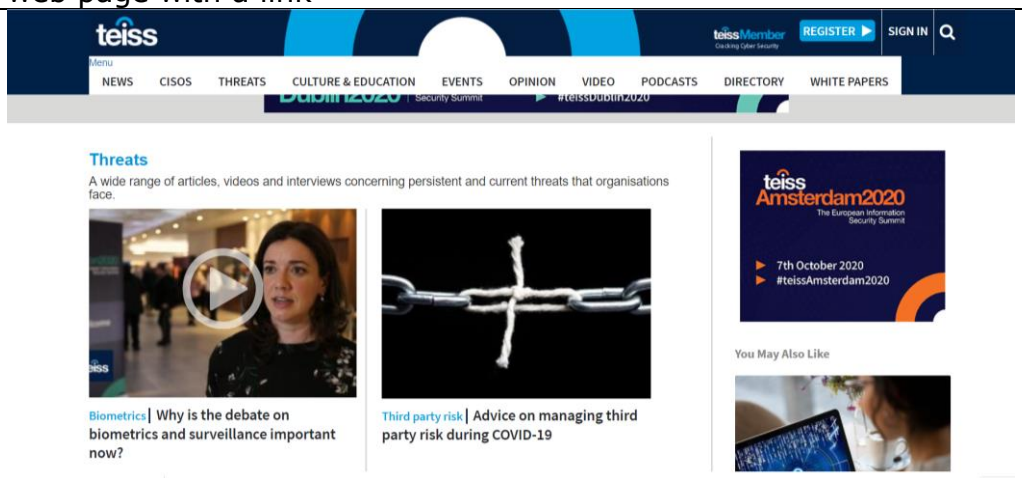
Industry Resource Links is a guide created by Pearson giving descriptions of, and links to, a variety of external stakeholder materials that are publicly available that you might find helpful in supporting your teaching and delivery of the Security Topic from the Core Component:

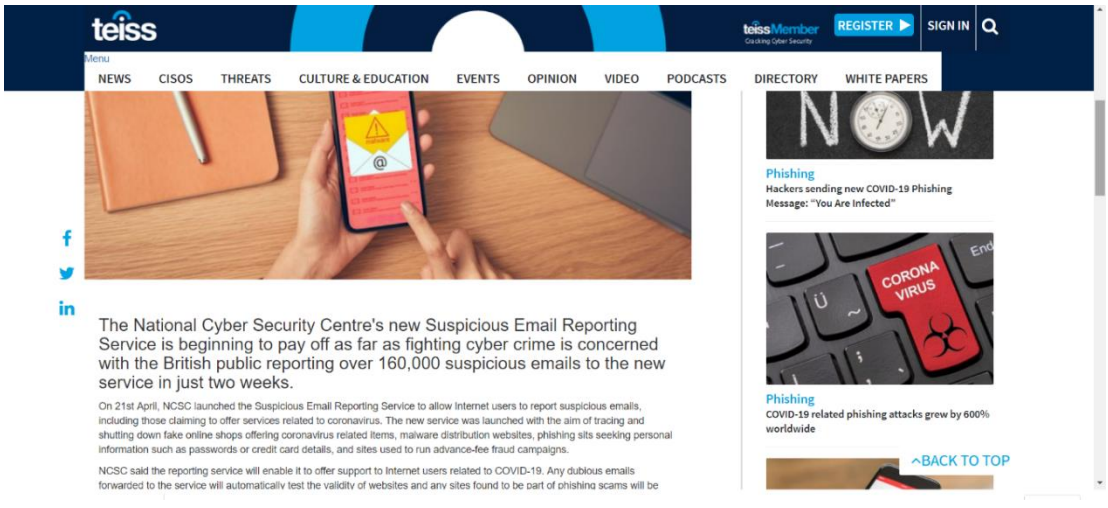
The links aim to show a selection of industries/employers that are high quality examples for the topics within the case study. Enabling your students to gain industry knowledge that is cutting edge and innovative, and supporting you in bringing the topic to life' within a classroom environment.

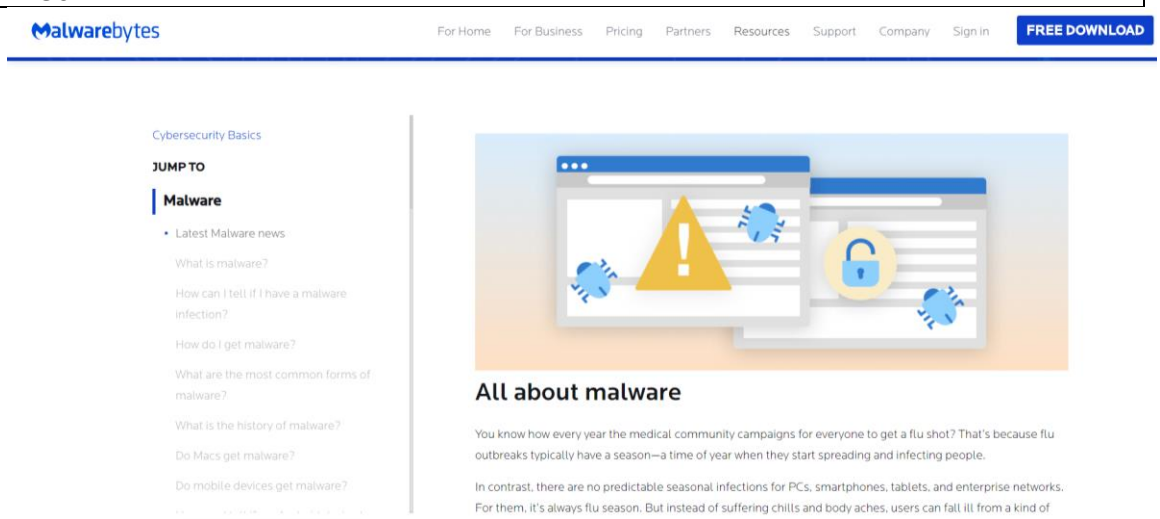
We leave it to you, as a professional educator, to decide if any of these resources are right for you and your students, and how best to use them.

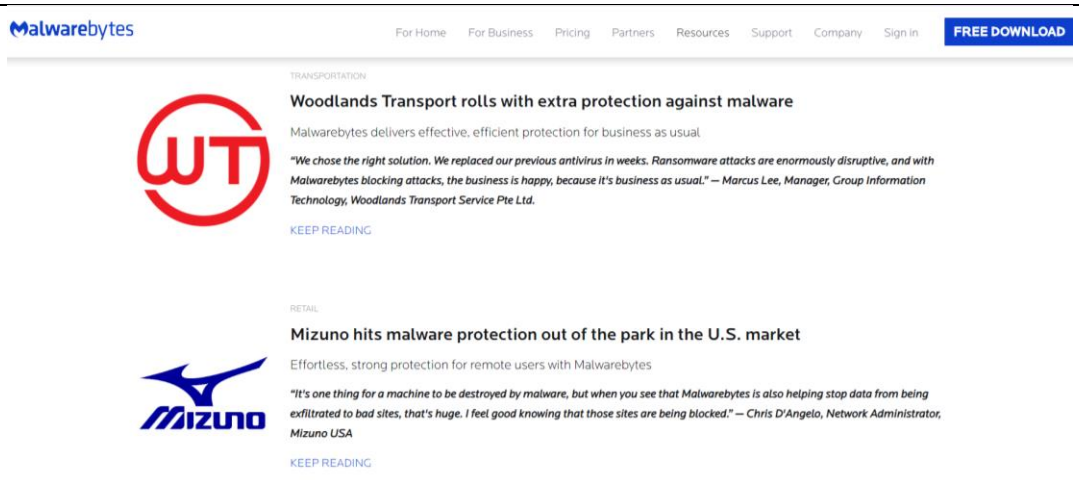
Pearson is not responsible for the content of any external internet sites. It is essential that you to preview each website before using it in class so as to ensure that the URL is still accurate, relevant and appropriate. We'd also suggest that you bookmark useful websites and consider enabling students to access them through the school/college intranet.

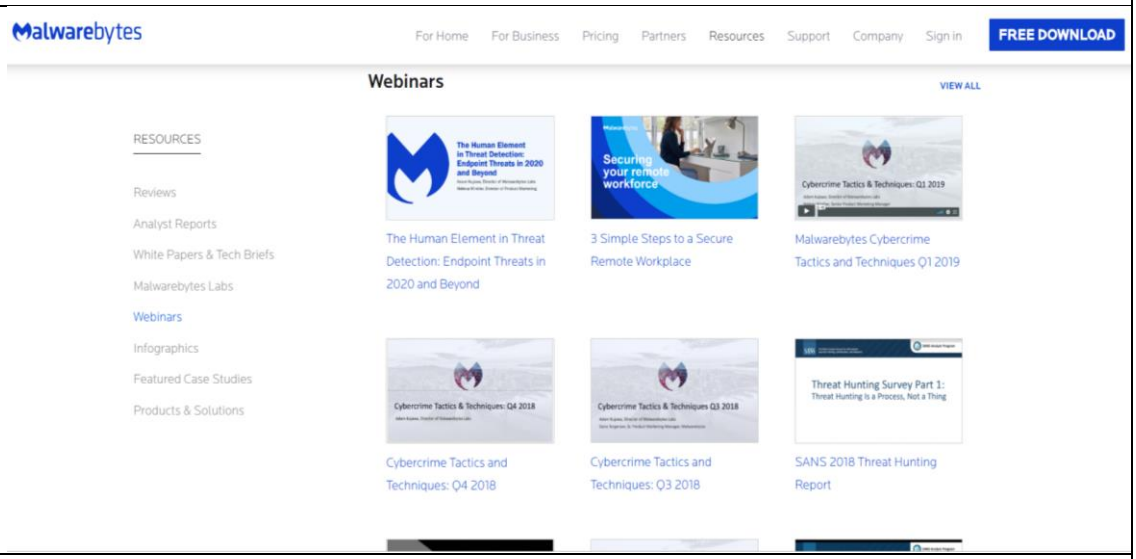
Title:	Cybersecurity Basics
Description	You've probably heard about Ransomware or read about it in the news. Maybe you've got a pop-up on your computer screen right now warning of a ransomware infection. This resource will tell you all about ransomware's different forms, how you get it, where it comes from, and what to do to protect against it.
Supports	8.1.3 Understand potential technical threats and vulnerabilities to systems, data and information
Cost	Free
Format	Website link
Screenshot	
Link	https://www.malwarebytes.com/ransomware/

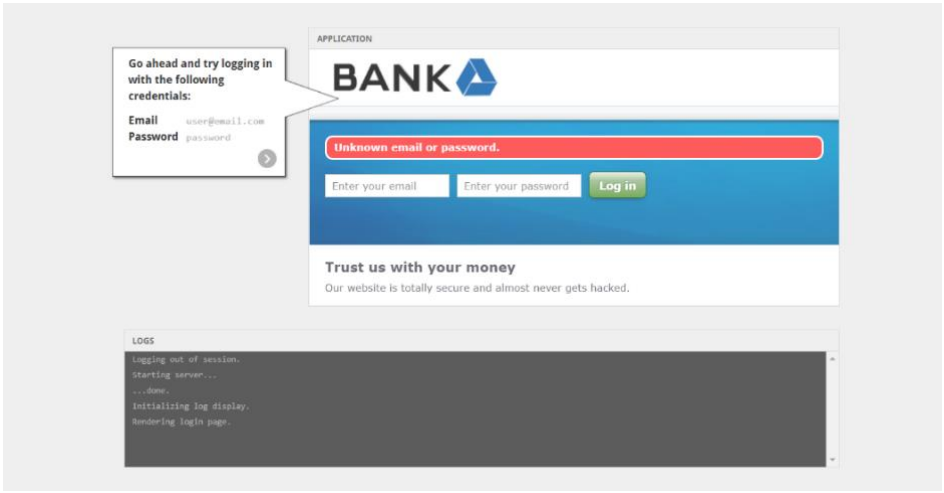
Title:	Teiss
Description	Has wide range of video articles on persistent and current cyber threats organisations face.
Supports	8.1.3 Understand potential technical threats and vulnerabilities to systems, data and information
Cost	Free
Format	web page with a link
Screenshot	
Link	https://www.teiss.co.uk/category/threats/

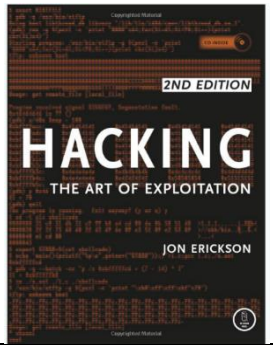
Title:	National Cyber Security Centre
Description	Article on suspicious email reporting service being rolled out in the UK and how it's using the public to fight cybercrime.
Supports	8.1.1 Understand the importance of maintaining privacy and confidentiality of an organisation's information 8.1.3 Understand potential technical threats and vulnerabilities to systems, data and information
Cost	Free
Format	Website Link
Screenshot	
Link	https://www.teiss.co.uk/public-flags-suspicious-emails-ncsc/

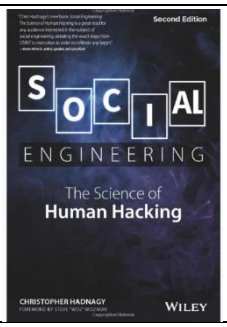
Title:	Malwarebytes
Description	Describes how malware infects your computer.
Supports	8.1.4 Understand potential physical vulnerabilities to systems, data and information
Cost	Free
Format	Web link
Screenshot	
Link	https://www.malwarebytes.com/malware/

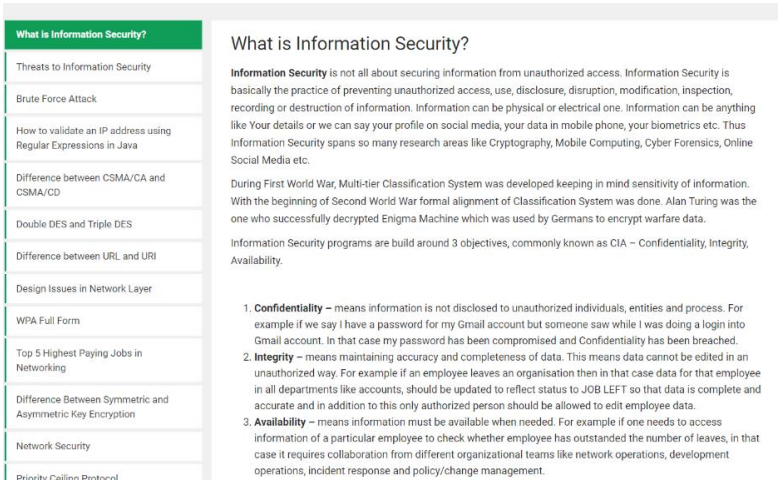
Title:	Malwarebytes
Description	Case Studies of 4 different organisations; Woodlands Transport, Mizuno, Pikes Peak and Spellman on how they implemented safeguarding measures against cyber threats.
Supports	8.1.2 Understand the potential impact on an organisation of failing to maintain privacy and confidentiality
Cost	Free
Format	Web Link then links to PDF Case studies
Screenshot	
Link	https://resources.malwarebytes.com/casestudies/

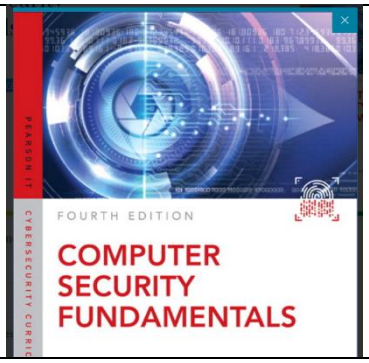
Title:	Malwarebytes
Description	A vast collection of resources including analyst reports, webinars and infographics on cybercrime, threats and malware products and solutions.
Supports	8.2.2 Understand the interrelationship between security, identity, confidentiality, integrity, availability, threat, vulnerability and risk management within a business context
Cost	Free
Format	Webinars
Screenshot	
Link	https://resources.malwarebytes.com/#analyst-reports

Title:	SQL Injection demo
Description	Useful website that demonstrates how SQL injection works. The website is interactive and illustrates some of the basic concepts.
Supports	8.1.3 Understand potential technical threats and vulnerabilities to systems, data and information
Cost	Free
Format	Web link
Screenshot	
Link	www.hacksplaining.com/exercises/sql-injection

Title:	Hacking: The Art of Exploitation (2nd Ed.) by Jon Erickson
Description	Look into the world of creative problem solving and exploitation. Rather than simply walking through how different exploits work, this book provides a holistic view of programming, network communications, and current hacking techniques.
Supports	8.1.4 Understand potential physical vulnerabilities to systems, data and information 8.2.2 Understand the interrelationship between security, identity, confidentiality, integrity, availability, threat, vulnerability and risk management within a business context
Cost	£23.29 (Kindle) / £31.56 (Paperback)
Format	Ebook or paperback
Screenshot	
Link	https://www.amazon.co.uk/Hacking-Art-Exploitation-Jon-Erickson/dp/1593271441

Title:	Social Engineering: The Science of Human Hacking.
Description	Looks at how cases both the creative genius and laziness of hackers. Why go through all the rigmarole and effort of breaking and climbing through a virtual window when you can walk through an open front door? This book looks at the vulnerabilities that exist within the human elements of a business and breaks down how you can recognize, anticipate, and prevent social engineering attacks.
Supports	8.1.4 Understand potential physical vulnerabilities to systems, data and information 8.2.3 Understand processes and procedures to mitigate threats and ensure security
Cost	£16.72 (Kindle) / £17.60 (Paperback)
Format	EBook or Paperback
Screenshot	
Link	https://www.amazon.co.uk/Social-Engineering-Science-Human-Hacking/dp/111943338X/

Title:	Geekforgeeks
Description	What is information security
Supports	8.1.5 Understand potential human threats and vulnerabilities to systems, data and information
Cost	Free
Format	Web link
Screenshot	
Link	https://www.geeksforgeeks.org/threats-to-information-security/

Title:	Computer Security Fundamentals, 4th Edition
Description	Drawing on 20+ years of experience as a security instructor, consultant, and researcher, Easttom helps students take a proactive, realistic approach to assessing threats and implementing countermeasures
Supports	8.1.4 Understand potential physical vulnerabilities to systems, data and information 8.1.5 Understand potential human threats and vulnerabilities to systems, data and information 8.2.3 Understand processes and procedures to mitigate threats and ensure security
Cost	£30.62 (Kindle) / £34.20 (Paperback)
Format	Book
Screenshot	
Link	https://www.amazon.co.uk/Computer-Security-Fundamentals-Cybersecurity-Curriculum/dp/0135774772/