

Cybersecurity Curriculum Sites

CodeHS - <https://codehs.com>

Offers two new courses in Cyber:

Fundamentals of Cybersecurity:

This is a yearlong course that is designed for students with some exposure to computer science, but there are no specific course prerequisites. Students will learn foundational cybersecurity topics including networking fundamentals, software security, system administration and the basics of cryptography and programming, all through the CodeHS web-based platform.

Advanced Cybersecurity

The CodeHS Advanced Cybersecurity course is the capstone course of the cybersecurity pathway. Students will learn advanced topics in the field of cybersecurity, including advanced cryptography, networking, risk assessment, and cyber defense.

Cyber.org - <https://cyber.org/> you need to create an account to see material.

Several courses that involve cyber topics and one full course in cybersecurity.

Cyber Literacy 1 - grades 8-10.

Cyber Literacy 2 - grades 9-11

Cyber Fundamentals - grades 2-9

Cybersecurity - grades 10-12

GitHub - DerekBabb CyberSecurity

This curriculum is designed for a high school computer science course focused on cyber security. Each of the units have activities that could be used with or without prior coding knowledge so the course is customizable to the needs of the given students/teacher.

https://github.com/DerekBabb/CyberSecurity?fbclid=IwAR0R9ko5_ai6gG-MDDtNMLJqt_E_hOb6eF9pAiQNG-TGfO6jBSBI6tqOxE

National cryptologic museum cyber security

<https://cryptologicfoundation.org/visit/goal/cybersecurity-curriculum-framework-portal-login.html>

<https://cryptologicfoundation.org/visit/goal/ccei-education-overview.html>

Cyber Security Cards:

The **Security Cards** encourage you to think broadly and creatively about computer security threats.

<http://securitycards.cs.washington.edu/index.html>

Berkley teaching cyber with CSP site:

The “Teaching Security” lessons introduce the foundational ideas of cybersecurity, built on **threat modeling** and **the human-centered nature of authentication**.

Lessons are designed to meet the cybersecurity learning objectives in the AP® Computer Science Principles (CSP) framework, but they are flexible enough to be used in any high school computer science class or program.

<https://teachingsecurity.org/>

Youtube Chanel:

CybHer

https://www.youtube.com/channel/UCqUdMHBpII3BH7M-wqoF0Qw?fbclid=IwAR0R9ko5_ai6gG-MDDtNMLJgt_E_hOb6eF9pAiQNG-TGfO6jBSBI6tqOxE

Free and Low Cost Online Cybersecurity Learning Content

Scroll down to k-12 education

https://www.nist.gov/itl/applied-cybersecurity/nice/resources/online-learning-content?fbclid=IwAR0R9ko5_ai6gG-MDDtNMLJgt_E_hOb6eF9pAiQNG-TGfO6jBSBI6tqOxE

If you are on Facebook join the Cybersecurity Educators group.