

CYBERSECURITY RESOURCES AND LINKS:

Middle and High School Edition

1. Cybersecurity Websites:

- Cyber.org – K-12 Cybersecurity Learning Standards - <https://cyber.org/standards>
- NSF eMate – The Cybersecurity Cube (also known as the McCumber Cube) <https://www.ncyte.net/resources/cybersecurity-curriculum/interactive-lessons/cybersecurity-concepts/cia-triad-mccumber-cube>
- NSF eMate – Social Engineering <https://www.ncyte.net/resources/cybersecurity-curriculum/interactive-lessons/cyber-attacks-and-vulnerabilities/social-engineering>
- NSF eMate – Risk Management <https://www.ncyte.net/resources/cybersecurity-curriculum/interactive-lessons/cybersecurity-concepts/cybersecurity-risk-management>
- NSF eMate – Access Control Fundamentals <https://www.ncyte.net/resources/cybersecurity-curriculum/interactive-lessons/cybersecurity-concepts/information-security-access-control>
- NSF eMate – Physical and Environmental Protection Controls – <https://www.ncyte.net/resources/cybersecurity-curriculum/interactive-lessons/cybersecurity-concepts/physical-environmental-protection-controls>
- Cybersecurity InfoGraphics – <https://securityguill.com/infographics.html>
- Common Vulnerabilities and Exposures (CVE) List – https://cve.mitre.org/cve/search_cve_list.html
- National Vulnerability Database (NVD) – <https://nvd.nist.gov/>
- Weekly Cyber Intelligence Report – https://informationwarfarecenter.com/Cyber_Intelligence_Report.php
- US Cybersecurity and Infrastructure Security Agency Intel – <https://www.cisa.gov/subscribe-updates-cisa>
- Data Breach Today – <https://www.databreachtoday.com/>
- Security Week – <https://securityweek.com/>
- NIST Cybersecurity Framework (CSF) Reference Tool – <https://www.nist.gov/cyberframework/nist-cybersecurity-framework-csf-reference-tool>
- NIST Cybersecurity Framework – <http://www.nist.gov/cyberframework/>
- Cyber Defense Matrix – <https://cyberdefensematrix.com/>
- GCA ToolKit for Small Businesses – <https://gcatoolkit.org/>
- CISA Public Safety Communications and Cyber Resiliency – <https://www.cisa.gov/publication/communications-resiliency>
- ATT&CK Matrix for Enterprise – <https://attack.mitre.org/>

- Lockheed Martin Cyber Kill Chain – <https://www.lockheedmartin.com/en-us/capabilities/cyber/cyber-kill-chain.html>
- GitHub – CyberChef – The Cyber Swiss Army Knife – <https://github.com/gchq/CyberChef>
- Gruyere: Web Application Exploits and Defenses – <https://google-gruyere.appspot.com/>
- GitHub – Security Onion - <https://github.com/Security-Onion-Solutions/security-onion>
- GitHub – The Browser Exploitation Framework (BeEF) – <https://github.com/beefproject/beef>
- Cyber Industry (ORG) – Exploring Cyber Job Requirements – <https://cyberindustry.org/>
- United States Secret Service (USSS) Preparing for a Cyber Incident – <https://www.secretservice.gov/investigation/Preparing-for-a-Cyber-Incident>
- NIST – Ransomware Protection and Response – <https://csrc.nist.gov/projects/ransomware-protection-and-response>
- CISA – Stop Ransomware – <https://www.cisa.gov/stopransomware>
- CISA – Resilience Series Graphic Novels – <https://www.cisa.gov/resilience-series-graphic-novels>

2. Cybersecurity Games and Activities:

- Google Inerland – https://beinternetawesome.withgoogle.com/en_us/interland/
- Kaspersky’s Password Check – <https://blog.kaspersky.com/password-check/>
- Phishing IQ Test – <https://www.sonicwall.com/en-us/phishing-iq-test>
- PBS’s NOVALab’s Cybersecurity Lab Game – <https://www.pbs.org/wgbh/nova/labs/lab/cyber/>
- SpheroEDU - <https://edu.sphero.com/cwists/category#searchTerm=cybersecurity>
- NetSmartzKids – Videos and Games - <https://www.netsmartzkids.org/>
- Defend the Crown – Download from [Google Play](#) and the [App Store](#) to play!
- Network Collapse – Download from [Google Play](#) to play!
- Hotel Hijinks – Download from [Google Play](#) to play!
- Cloud Chaos – Download Download from [Google Play](#) and the [App Store](#) to play!

3. Cybersecurity Videos:

- Cyber Threat – Free WiFi attack – hack to mobile devices - <https://www.youtube.com/watch?v=zGUR6kao9ys>
- NetSafe Episode 10: How to stop Cyber-Bullying (Grades7-12) - <https://www.youtube.com/watch?v=WegCMoQ-UNS>
- CrashCourse – Hackers and Cyber Attacks - <https://www.youtube.com/watch?v=GzE99AmAQU>
- BrainPOP UK – Online Safety - <https://www.youtube.com/watch?v=IGINGcaYZaA>

- What is Ethical Hacking? – Simplilearn - <https://www.youtube.com/watch?v=XLvPpirlmEs>
- Internet Safety for Kids – Hacking explained - https://www.youtube.com/watch?v=RbbhDA5_EzI
- ABC Science - Here's how phones can be hacked in just 15 minutes! - <https://www.youtube.com/watch?v=ZoXGGqAuKKo>
- Kids Hack the Crisis: What is Hacking? - <https://www.youtube.com/watch?v=I9p1LB-dOgg>
- Making Strong Passwords – Cyber Safety Series - <https://www.youtube.com/watch?v=OiQKZWNeAjc>
- CBS Mornings - Meet a 12-year-old hacker and cyber security expert - <https://www.youtube.com/watch?v=7TpsYofbAPA>

4. Webinar and Free Cybersecurity Course:

- National Cybersecurity Alliance – Be A Cybersecurity Awareness Month Champion - Register to Attend! <https://staysafeonline.org/programs/cybersecurity-champion/>
- Regions Investing in the Next Generation (RING) Program – Free High School Level Cybersecurity Course: <https://www.caecommunity.org/news/were-currently-enrolling-students-ring-free-online-cybersecurity-course>

5. Graphic Novels, Books, and Tip Cards:

- CISA – Resilience Series Graphic Novels – <https://www.cisa.gov/resilience-series-graphic-novels>
- Cyber.org – Tip Cards
 - i. Internet of Things (IoT) - <https://cyber.org/sites/default/files/2021-08/IoT%20Tip%20Card.pdf>
 - ii. Video Call Safety - <https://cyber.org/sites/default/files/2020-08/Cyber%20Safety%20Video%20Tip%20Cards%20Video%20Call%20Safety.pdf>
 - iii. Social Media Safety - <https://cyber.org/sites/default/files/2021-05/Social%20Media.pdf>
 - iv. Online Gaming Safety - https://cyber.org/sites/default/files/2020-11/Online%20Gaming%20Safety%20Tip%20Card_1.pdf