

Cybersecurity Merit Badge PreReq Worksheet

NAME:

UNIT:

Please fill this page out and bring to class, or email responses to garrisonlerock@gmail.com

1a. (View the Personal Safety Awareness "Digital Safety" video (with your parent or guardian's permission)).

Resources: [Personal Safety Awareness "Digital Safety" \(video\)](#)

2a. (Relate three points of the Scout law to things people do on the internet or with computers, phones, and other connected electronic devices.)

3a. (Describe three types of computer systems that need protecting and explain why.)

4e. Current Events. Do ONE of the following:

- **(1) Read an article or a news report about a recent cybersecurity incident, such as a data breach or malware infection. Explain how the incident happened (to the best of your ability based on the information available) and what the consequences are or might be to the victim.**

Resources: [Featured Conversation Starters - Savvy Cyber Kids \(website\)](#)

[Krebs on Security - In-Depth Security News and Investigation \(website\)](#)

[Security News: Cybersecurity, Hacks, Privacy, National Security | WIRED \(website\)](#)

[Cybersecurity News, Insights and Analysis | SecurityWeek \(website\)](#)

- **(2) With your parent or guardian's permission, watch a movie or read a book in which cybersecurity plays a significant role. Discuss how cybersecurity topics were depicted and how realistic you think it was.**

Resources: Suggested Movies: WarGames (1983, PG), Tron (1982, PG), Code 2600 (2011 Documentary, PG), Superman III (1983, PG), Scooby-Doo and the Cyber Chase (2001, Not Rated), Cyber War 2022 (2023 Documentary, G), Hackers (1995, PG-13), Terms and Conditions May Apply (2013 Documentary, Not Rated), Cyber War (2016 Documentary, Not Rated), and Zero Days (2016 Documentary, PG-13).

Suggested Books: The Cuckoo's Egg by Cliff Stoll, Tom Clancy's Net Force Explorers YA series, The Enigma Girls: How Ten Teenagers Broke Ciphers, Kept Secrets, and Helped Win World War II by Candace Fleming, Cyber-Thief Showdown (Geronimo Stilton #68) by Geronimo Stilton, Little Brother by Cory Doctorow (read for free online), Cyberama: A Children's Book on Internet Safety and Cybersecurity, The Renegade Reporters by Elissa Brent Weissman, The Oracle Code by Marieke Nijkamp, Hacker by Malorie Blackman, and City Spies series by James Ponti.

8. Cybersecurity Activities. Do ONE of the following:

- (a) Learn about a cybersecurity competition, camp, or other activity you could participate in (either now or in the future). Share what you learned with your counselor, including the type of activity, time commitment, and age of participants.**

Resources: [CyberPatriot: National Youth Cyber Defense Competition \(website\)](#)

[AFA CyberCamps \(website\)](#)

[U.S. Cyber Camp \(website\)](#)

[National Cyber League \(website\)](#)

- (b) Participate in a cybersecurity competition with members of your troop, school, or some other group approved by your counselor. Either design your own competition or use an existing platform.**

Resources: [Cyber Challenge: Online Cybersecurity Game | Cybermission \(website\)](#)

[Cyber Threat Defender—The UTSA CIAS \(website\)](#)

[K-12 Cybersecurity Games—The UTSA CIAS \(website\)](#)

[picoCTF—CMU Cybersecurity Competition \(website\)](#)

- (c) Give a presentation to your patrol, troop, or another group approved by your counselor, on a cybersecurity topic of your choice. Your presentation must include at least one demonstration and/or hands-on activity.**

9. Careers. Do ONE of the following:

- (a) Identify three career opportunities that would use skills and knowledge in cybersecurity. Pick one and research the training, education, certification requirements, experience, and expenses associated with entering the field. Research the prospects for employment, starting salary, advancement opportunities and career goals associated with this career. Discuss what you learned with your counselor and whether you might be interested in this career.
Resources: [Career Exploration Cards | Cyber.org \(PDF\)](#)
[Degrees & Certifications | Cyber.org \(website\)](#)
[Information Security and Forensics Analyst | What I Do \(video\)](#)
[Careers in Cybersecurity: CompTIA's Future of Tech \(website\)](#)
[Military Cybersecurity Careers & Training | Cybermission \(website\)](#)
[NCF Panel Discussion about Cybersecurity Careers | #CyberChats \(podcast\)](#)
- (b) Visit a business or organization that does work in cybersecurity. Find out about different work roles, what they do, and how they acquired their knowledge through college degrees or certifications. Share what you learned with your counselor.