

Cybersecurity Merit Badge Prerequisite Worksheet

Please do this coursework prior to arrival at camp. Once completed, you may email it back to the merit badge counselors: Jonathan.Bredemeyer@gmail.com & joshua@Desoren.com OR bring it to class.

Name: _____ Troop: _____ Date: _____

Instructions for the Scout: Complete this worksheet before attending your merit badge session. Bring it with you, along with your signed "blue card" and any required digital evidence (screenshots), for review and discussion with your counselor.

Requirement 1a: Digital Safety Video

Watch the Personal Safety Awareness "**Digital Safety**" video with a parent or guardian's permission. *Link: <https://www.scouting.org/training/youth-protection/scouts-bsa/>*

- Notes or takeaways from the video:

- **Note:** You must bring a **screenshot** from the video as evidence for your counselor

Requirement 2a: Ethics and the Scout Law

Relate **three points of the Scout Law** to things people do on the internet or with computers and mobile devices.

1) Point: _____

Application: _____

2) Point: _____

Application: _____

3) Point: _____

Application: _____

Requirement 4a: Cyber Terms

Define the following terms and provide one specific example of each that might apply to a website or software you use.

- Vulnerability Definition: _____

- Example: _____

- Threat Definition: _____
 - Example: _____
- Exploit Definition: _____
 - Example: _____

Requirement 4b: Malware Research

Pick **one type of malware** (virus, worm, Trojan, spyware, or ransomware) and find out how it works.

- Type selected: _____
- How does it work? _____
- What harm can it cause? _____

Requirement 4e: Current Events

Do **ONE** of the following and summarize what you learned:

- [] Read an article about a recent cybersecurity incident.
- [] Watch a movie or read a book in which cybersecurity plays a significant role.
- Title of Article/Movie/Book: _____
- Summary: _____
- Lesson Learned: _____

Requirement 4f: Attack Surface Mapping

Create a list of your **personal cyber-attack surface**. Include all the ways someone could try to access your personal information or devices (e.g., online accounts, apps, home Wi-Fi).

Requirement 5c(8): Family Cyber Safety Checklist

Research best practices for protecting a home network and create a **five-point checklist** for your family to stay secure.

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____

Requirement 6a: Encryption Uses

Research and explain **three situations** where encryption is used in cybersecurity.

- 1) _____
- 2) _____
- 3) _____

Requirement 9a: Careers in Cybersecurity

Identify **three career opportunities** in cybersecurity.

- 1) _____
- 2) _____
- 3) _____

Research one of these in detail (Training/Education, Salary, Career Goals):

Why does this career interest you?

Counselor Review: _____

Approved: [] Yes [] No

Date: _____