



Cybersecurity 1: Basics



Badge Overview

Explore how hackers operate and how hacking can be used for the purposes of corporate and national security. When you've earned this badge, you'll know about steganography, cyberwarfare, and a variety of different careers in cybersecurity.

Badge Components

1. Learn about different kinds of hackers

The different types of hackers are defined by what motivates them.

- You can find out more about the different hackers on this [website](#).

2. Hide a message in plain sight

Watch this [video](#) on steganography to learn how messages can be hidden in plain sight.

- You can create a hidden message in an image on this [website](#).
- Notice that what you write using letters is converted into binary code so it can be embedded in the image.

3. Debate the ethics of hacking

Do some research into what hackers do and write a list of positive and negative uses of hacking. Use these websites to start your research.

- [Website 1](#)
- [Website 2](#)

4. Learn cyberwarfare strategies

Do some research on cyberwarfare using this [website](#); find out about Sabotage, Espionage, Denial-of-service attack, and propaganda.

5. Explore cyber careers

Go to this [website](#) to explore the careers available to you in the cybersecurity field. Choose 2 that interest you the most.

- Do some research to find a college or vocational school that you would like to attend to get the qualifications you would need and then find a job opening for that role.

Materials

- Computer, tablet or phone
- [Internet Safety Pledge](#)

Florida Educational Standards

The content of all Girl Scout national proficiency Badges and Journeys have been correlated by grade level to national and state learning objectives.

Click here for more information on how Girl Scout Badge-work supports Florida's educational standards.



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Include her name, troop# and the name of the badge she's working on and we'll feature her.

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