

AWARD/BAD DESCRIPTION



Cybersecurity 1: Basics

Daisy (Grades K-1)
STEM

Find out about computer parts and how computers are connected, just like you!

1. Find out how computers work
2. Find out what safety and protection means
3. Discover how you're connected, just like computers are!

When you've earned this badge, you'll know how computers work and how to stay safe online.

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Cybersecurity 2: Safeguards

Daisy (Grades K-1)
STEM

Find out how to stay safe when you go online.

1. Discover what makes you different from others
2. Find out what information is private
3. Discover who is in your trust circle

When you've earned this badge, you will know what privacy is and how to protect my identity.

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Cybersecurity 3: Investigator

Daisy (Grades K-1)
STEM

Find out how computers gather information and solve problems.

1. Find out how to search for an answer
2. Use clues to figure out who someone is
3. Test your powers of observation

When you've earned this badge, you'll know how to use your powers of observation to investigate questions and find solutions.

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My Award and Badge Explorer

AWARD/BAD DESCRIPTION



Cybersecurity 1: Basics

Brownie (Grades 2-3)
STEM

Find out how you use technology and how you can keep your technology safe.

1. Find out how you use technology
2. Discover what your technology can do
3. Find out how to create layers of security
4. Find out how to use real-life safety rules when you go online
5. Find out how messages travel on the internet

When you've earned this badge, you'll know cybersecurity basics and understand the role technology plays in your life.

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Cybersecurity 2: Safeguards

Brownie (Grades 2-3)
STEM

Find out how to be safe when you go online.

1. Create your identity
2. Find out what information to keep private when you go online
3. Find out how to share information safely online
4. Find out why you have to be careful about who you trust online
5. Test your knowledge of online safety rules

When you've earned this badge, you'll know what information is private and how to share information safely.

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Cybersecurity 3: Investigator

Brownie (Grades 2-3)
STEM

Put on your detective hat and solve cyber crimes.

1. Crack a code to solve a problem
2. Investigate what's real and fake in photos
3. Find out about digital footprints
4. Investigate how a computer virus can spread
5. Explore a cyber attack

When you've earned this badge, you'll know how to use investigative skills to spot problems in the cyber world.

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My Award and Badge Explorer

AWARD/BAD DESCRIPTION



Cybersecurity 1: Basics

Junior (Grades 4-5)
STEM

Find out how computers talk to each other.

1. Find out how computers read information
2. Discover how networks work
3. Find out what protocols are and create one
4. Explore computer communication protocol
5. Find out what malware is

When you've earned this badge, you'll know the basics of cybersecurity and how computers communicate.

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Cybersecurity 2: Safeguards

Junior (Grades 4-5)
STEM

Find out how to keep your online identity safe.

1. Create and protect a username
2. Create and protect a password
3. Discover how you share information and what to share
4. Find out how information online can last forever
5. Find out who is trustworthy online

When you've earned this badge, you'll know how to protect your online identity and stay safe online.

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Cybersecurity 3: Investigator

Junior (Grades 4-5)
STEM

Become a cybersecurity investigator and learn how to spot threats online.

1. Create and crack a shift cipher code
2. Find out how updates can help your security
3. Explore identity theft
4. Find out what to do if your identity is stolen
5. Investigate if a message is real or fake

When you've earned this badge, you'll know how computers use codes to communicate and how to spot cyber crime.

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AWARD/BAD DESCRIPTION



**Cybersecurity 1:
Basics**

Cadette (Grades 6-8)
STEM

Explore different hacking techniques and how to protect yourself with basic cybersecurity precautions.

1. Crack a code
2. Hack a password
3. Explore two-factor authentication
4. Launch a Man-in-the-Middle attack
5. Explore social engineering

When you've earned this badge, you'll know how (and why it's important!) to protect yourself with strong passwords, secure encryption, and caution when clicking on links.

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**Cybersecurity 2:
Safeguards**

Cadette (Grades 6-8)
STEM

Find out why it's important to keep your personal information private online and how you can keep your data secure.

1. Guard your identity
2. Create a profile based on your interests
3. Learn about metadata
4. Shop for apps in a life-sized app store
5. Inventory your digital presence

When you've earned this badge, you'll know about your digital footprint and how others can use data from your footprint to target you with both legitimate ads and social engineering scams.

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**Cybersecurity 3:
Investigator**

Cadette (Grades 6-8)
STEM

Solve a series of fictional cyber crimes using what you know about cybersecurity.

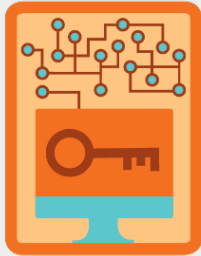
1. Find clues in text messages
2. Identify phishing emails
3. Learn how hackers use social media
4. Analyze log files
5. Protect your identity from hackers

When you've earned this badge, you'll know about the potential vulnerabilities and risks in personal digital communications (emails, text messages, and social media) and how you can protect your identity.

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My Award and Badge Explorer

AWARD/BAD DESCRIPTION



Cybersecurity 1: Basics

Senior (Grades 9-10)
STEM

Explore how cybersecurity professionals keep computer networks safe.

1. Find out how computers run multiple programs
2. Identify functions and privileges
3. Learn how computers hide information
4. Design a layered security system
5. Design a Rube Goldberg machine

When you've earned this badge, you'll know the major principles of cybersecurity and understand how they work in real-life and in the cyber world.

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Cybersecurity 2: Safeguards

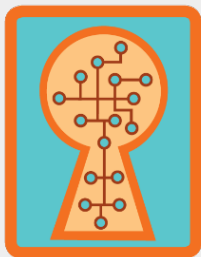
Senior (Grades 9-10)
STEM

Find out how to keep your data and devices safe wherever you go.

1. Protect your travel documents
2. Protect your Wi-Fi
3. Protect your conversations
4. Protect your electronics
5. Protect your environment

When you've earned this badge, you'll know how to protect your travel documents, Wi-Fi, digital conversations, electronics, and environment.

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Cybersecurity 3: Investigator

Senior (Grades 9-10)
STEM

Investigate and respond to a fictional cyber crime.

1. Look for clues about a fictional hack
2. Learn how traceroutes work
3. Solve a cybercrime
4. Role-play how to handle the crisis
5. Play a life-sized version of Minesweeper

When you've earned this badge, you'll know about insider threats and other security vulnerabilities for companies and organizations.

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AWARD/BAD DESCRIPTION



Cybersecurity 1: Basics

Ambassador (Grades 11-12)
STEM

Explore how hackers operate and how hacking can be used for the purposes of corporate and national security.

1. Learn about different kinds of hackers
2. Hide a message in plain sight
3. Debate the ethics of hacking
4. Learn cyberwarfare strategies
5. Explore cyber careers

When you've earned this badge, you'll know about steganography, cyberwarfare, and a variety of different careers in cybersecurity.

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Cybersecurity 2: Safeguards

Ambassador (Grades 11-12)
STEM

Find out how to protect your personal data and digital footprint with healthy online habits.

1. Guard your movements
2. Outsmart the online marketers
3. Plan your digital future
4. Take the rights steps to secure your data
5. Make cyber hygiene go viral

When you've earned this badge, you'll know how to cultivate healthy online habits.

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Cybersecurity 3: Investigator

Ambassador (Grades 11-12)
STEM

Investigate and respond when a fictional city has been affected by a cyberattack.

1. Determine how the attack has affected the city
2. Identify suspects
3. Decide whether to pay the ransom
4. Figure out how the attack happened
5. Learn how to prevent future attacks

When you've earned this badge, you'll know how to analyze hidden messages and security log files, and make decisions about how to best allocate cybersecurity resources.

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