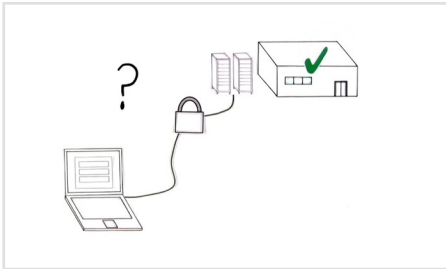


Lesson Plan

This lesson plan is designed to help you teach using a Common Craft video. Use the information below to introduce the video and then follow the video with discussion questions and other resources.



commoncraft.com/video/secure-websites

ISTE Standard:

Digital Citizen, Indicator 2d

Secure Websites

Explained by Common Craft

These days websites make security a priority, but it is hard to know when a website is secure, or what makes it so. This video teaches the basics of website security and how to recognize a secure site.

Learning Outcomes

- Describe two common security threats
- Explain how SSL encryption works
- Recognize if an Internet connection is secure
- Describe situations in which security is most important

Discussion Questions

Q #1

Predict the outcome if you transfer information through an insecure website.

Q #2

Why would people use an insecure website?

Knowledge Check Q&A

Q

Where might your information be compromised when you transfer sensitive information through the Internet?

A

1) The connection from your computer to the company's computer 2) The company you send the information to

Q

What do secure websites do with information before sending it between computers?

A

They encrypt the information.

Q

How can you tell if the connection between computers is encrypted and secure?

A

1) The website address begins with https instead of http. 2) There is a padlock icon in the browser.

Q

How can you tell if the company's website has been reviewed and validated by a licensed certificate authority?

A

There's green color and the company name in the address bar.

Resources for Learning More

The New York Times

Jonah Engel Bromwich
"Protecting Your Digital Life in 7
Easy Steps" 11/16/2016

<http://www.nytimes.com/2016/11/17/technology/personaltech/encryption-privacy.html>

TIME

Doug Aamoth
"How to Protect Yourself Against
the Heartbleed Bug" 4/9/2014

<http://time.com/55337/how-to-protect-yourself-against-the-heartbleed-bug/?iid=sr-link1>

Federal Trade Commission

<https://www.consumer.ftc.gov/articles/0009-computer-security>