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.

Secure Websites
Explain 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.

ISTE Standard:
Digital Citizen, Indicator 2d

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

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