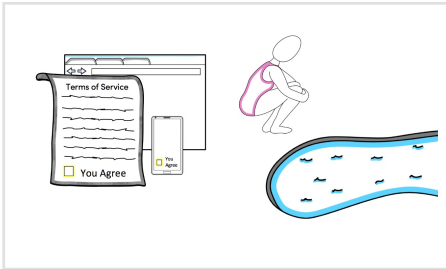


## Lesson Plan

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/terms-service-agreements](https://commoncraft.com/video/terms-service-agreements)

### ISTE Standard:

**Digital Citizen, Indicator 2b**

### ACRL Info Literacy Frame:

## Ransomware

Explained by Common Craft

Ransomware is a growing threat to computer users, from large corporations to individuals. This video explains the concept and what can be done to prevent it.

### Learning Outcomes

- Define the term ransomware
- Explain how ransomware works
- Describe how to prevent a ransomware attack

## Discussion Questions

### Q #1

How would you determine whether your computer is safe from ransomware?

### Q #2

How would you respond to a ransomware attack on your machine?

## Knowledge Check Q&A

### Q

What is ransomware?

### A

It is a program that locks a computer or personal device to prevent the user from accessing files. In most cases, the device is unlocked after the user makes a payment to the criminals who sent the ransomware.

### Q

True or False. Ransomware can infect your computer by finding security holes that may not even require a click from you.

### A

Answer: True.

## Q

What steps can you take to protect your computer from ransomware?

## A

1) Keep your operating system, browsers, and applications up to date. 2) Only open attachments when you know the source and be suspicious of requests for privileges to access your computer. 3) Use an antivirus program. 4) Keep a backup of your files on a hard drive or online service.

## Resources for Learning More

### Wired, Kim Zetter

“4 ways to protect against the very real threat of ransomware”, May 2016

<https://www.wired.com/2016/05/4-ways-protect-ransomware-youre-target/>

### TechRadar Pro, Gabe Carey

“Hit by ransomware? This is what you need to do now”, March 6, 2018

<https://www.techradar.com/news/hit-by-ransomware-this-is-what-you-need-to-do-now>

### US-CERT, Department of Homeland Security

“Alert (TA16-019A) Ransomware and recent variants”, March 31, 2016, Updated September 29, 2016

<https://www.us-cert.gov/ncas/alerts/TA16-091A>

### New York Times, Sheera Frenkel

“Global ransomware attack: what we know and don’t know”, June 27, 2017

<https://www.nytimes.com/2017/06/27/technology/global-ransomware-hack-what-we-know-and-dont-know.html>

### NPR: Morning Edition, Vanessa Romo

“As Atlanta seeks to restore services, ransomware attacks are on the rise”, March 30, 2018

<https://www.npr.org/sections/thetwo-way/2018/03/30/597987182/as-atlanta-seeks-to-restore-services-ransomware-attacks-are-on-the-rise>