Read the following articles:

* <http://www.cbc.ca/news/technology/ransomware-europe-russia-ukraine-petya-bitcoin-1.4179683>
* <http://www.cbc.ca/news/canada/toronto/oshawa-hospital-cyberattack-1.4114758>
* <https://www.thestar.com/news/canada/2017/05/13/ontario-health-ministry-on-high-alert-amid-global-cyberattack.html>

**Ransomware Basics**

1. What is a ransomware attack?

* Ransomware is a form of malware in which rogue software code effectively holds a user's computer hostage until a "ransom" fee is paid. Ransomware often infiltrates a PC as a computer worm or Trojan horse that takes advantage of open security vulnerabilities.

1. How does ransomware work and what does it affect?

* Most ransomware variants encrypt the files on the affected computer, making them inaccessible, and demand a ransom payment to restore access.

1. How could you be affected by a ransomware attack?

* You could be affected by email, fake update, a link, or web advertisement

1. How can you protect yourself against a ransomware attack?

* Keep your computers’ operating systems up-to-date because the latest updates often patch up security holes. People should also avoid clicking on suspicious links.

**Canadian Attacks (In The Past)**

1. What was affected in Canada in the articles above?

* A hospital in Canada

1. How badly was Canada affected?

* Wasn’t affected as badly as other countries were.

1. What other countries were affected?

* 150 other countries were affected by ransomware attack

1. Where did the attack come from?

* The attack came from Taiwan.

1. Why was the attack started?

* To gain money

1. How was the attacked stopped?

* By updating the system

**Canadian Attacks (Present Day)**

1. Google “ransomware attack Canada 2019” and research an attack that occurred in the past two months.
   1. Summarize the attack in a paragraph that describes: who, what, where, when.

Canada's largest and most northerly territory, Nunavut, struck a ransomware attack on November 2, 2019 at 4:00 am. The attack encrypted individual files on various servers and workstations impacting all government online services. This attack may have happened when an employee working late on a Friday night might have clicked on a suspicious email or web advertisement. The attackers instructed victims to download an encrypted browser in the next 21 days. The users were also told the sooner you pay; the less money they will be charged to recover their files.