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 type of malicious software that allows hackers to view a computer's files, gather information and spread through its network, unbeknownst to the user. Then, the virus encrypts the files and the attackers demand payments from victims to release the data.

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

Ransomware is a type of malicious software designed to block access to a computer system or computer files until a sum of money is paid. 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?

Almost anyone can be attacked in a ransom attack and I can as well.

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

* Backup your device
* Download an anti-virus software
* Update your anti-virus software
* Never pay the ransom
* Don’t ever provide personal info from online people you don’t know

**Canadian Attacks (In The Past)**

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

A hospital in Oshawa is among the tens of thousands of victims of an unprecedented "ransomware" cyberattack that's hit 150 countries in recent days.

1. How badly was Canada affected?

A hospital in Oshawa is among the tens of thousands of victims of an unprecedented "ransomware" cyberattack that's hit 150 countries in recent days.

1. What other countries were affected?

* The cyberattack has paralyzed computers and networks around the world, including the ones that run Britain's hospital network, Germany's national railway and scores of other companies and government agencies worldwide.
* 150 Countries
* "This is a global attack," Tait said. "This has affected all countries and Canada is no exception there."

1. Where did the attack come from?

"They usually run this campaign and hope to infect as many devices as they can."

1. Why was the attack started?

Attacks like this one happen when a type of software seizes control of a computer, encrypting its contents and rendering them inaccessible.

1. How was the attacked stopped?

“Our antivirus systems apparently disabled the virus, which was not able to seriously impact our network,”

**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.
   2. On November, 2019, the government of Nunavut was hit by a ransomware attack. Most government departments and Nunavut communities are affected. The government of Nunavut is rebuilding its communications network after a ransomware attack encrypted its files. To restore services, the government's IT department has been working to recreate its network from backups. It keeps monthly and yearly backups as well as taking a nightly snapshot, but the government has not yet confirmed if the backups are affected by the virus. All Word documents and PDF files the virus had access to are encrypted and unreadable by the government, according to Martin Joy, Nunavut's director of information, communications and technology.