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 malware that threatens to publish the victim's data or temporarily block access to it unless a ransom is paid.

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

Ransomware usually involves spam and phish emails and it targets the data using strong encryption once the link is clicked.

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

We could get fake emails, texts and phone calls that threaten us in some sort of way until a ransom is paid.

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

I could protect myself by downloading antivirus, keeping my devices updated and backing up my data.

**Canadian Attacks (In The Past)**

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

A hospital in Oshwa, Ontario was a ransomware target.

1. How badly was Canada affected?

Canada wasn’t too badly affected because they had the data backed up and erased all the computers.

1. What other countries were affected?

* United states
* Russia
* Ukraine
* Britain
* Germany

1. Where did the attack come from?

The source of the attack still remains unknown.

1. Why was the attack started?

Someone inside the hospital clicked the link on a spam email which lead to the spread of the virus.

1. How was the attacked stopped?

The antivirus contained the data and they erased of the computers since the data was backed up.

**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.

In early-mid October 2019 a dental clinic in Toronto was the target of a ryuk ransomware attack. Ryuk is a type of attack that allows hackers to view a computer's files and gather information for several weeks, without the owner knowing. The attacker asked for $165,000 for the information.