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?

A ransomware attack is where somebody locks a person out of their computer of files and forces them to pay to get them back.

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

Ransomware works by encrypting peoples’ files and forcing the person who they locked out to pay, usually in cryptocurrency to access the files again.

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

You can be affected by clicking a link in a spam email which will cause your files to be encrypted.

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

Don’t open suspicious emails or go to suspicious sites and also use ani virus software in case you do get ransomware on your computer somehow.

**Canadian Attacks (In The Past)**

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

In the articles above, the Oshawa Hospital was affected by a ransomware attack in Canada. The health ministry was also attempted to be hacked but nothing happened.

1. How badly was Canada affected?

The health ministry was fine, nothing was lost due to the attack. The hospital lost some data since they had to go to a backup but overall Canada was a lot better off than other countries.

1. What other countries were affected?

The United states and Ukraine were attacked a lot worse than Canada was.

1. Where did the attack come from?

Some of the code for the attack was taken from the NSA but the source is unknown.

1. Why was the attack started?

The attack was probably started to make money from people who had lost their files and wanted them back. But the reason why is unknown.

1. How was the attacked stopped?

The attack was stopped by restoring files to backups before the attack took place.

**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.

A few days ago in Nunavut a ransomware attack took place against the government and disabled the province’s ability to provide many essential services. This stopped many services that are required by Nunavut Citizens because of the fact that many of the services rely on the provincial government’s network. The source of the attack is unknown.