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 involves a black hat hacker taking data from a computer hostage or threatening to share it.

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

Ransomware is a type of virus which involves a hacker stealing information and data from their PC. They may either take this data hostage or threaten to share this data. In order to prevent this from happening they will ask you to give them money to prevent either outcomes from happening.

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

A hacker may try to infect you by public networks and files which you click on which gives them access to your PC. Then, they will obtain the information and data from your PC and keep it hostage.

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

An effective way to protect yourself against a ransomware attack is by purchasing anti-virus software. This will prevent the possibility of your PC obtaining a virus as it will scan files and inform you of harmful websites. If you do not buy this, you can also try to not enter websites which do not look credible and also not click on pop ups which are saying “you have a virus, click on this to delete it”.

**Canadian Attacks (In The Past)**

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

In Toronto, Oshawa Hospital was affected by an anti-virus among many other victims who had experienced the same ransomware attack.

1. How badly was Canada affected?

Tens of thousands of people were overall affected by the attack. It was stated that many organizations were affected by the viruses in Canada.

1. What other countries were affected?

150 countries were affected by the attack.

1. Where did the attack come from?

The attack came from Ukraine.

1. Why was the attack started?

The attack started in Ukraine as it started infecting their and later on spread to many other countries.

1. How was the attacked stopped?

The attack was stopped in Ukraine and was eliminated there.

**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.

On November 2nd, 2019, a ransomware attack hit one of the Canadian Territories, Nunavut. On November 2nd, 2019, The Premier of Nunavut issued a statement about an intelligent ransomware attack spreading in Nunavut. He informed the citizens of Nunavut that they are investigating this attack. He recommended the Citizens to be weary of suspicious activity on PCs in order to lessen the chance of getting hit by the virus. Currently, the originator of the virus is unknown. Over the next few days, Nunavut is going to try and contain the virus.