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 when a hacker blocks all the data on a computer until a sum of money is paid.

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

Ransomware encrypts all the data on a computer which makes it so that the owner of the computer can’t access the files.

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

A hacker could hack your computer and lock all your files and tell you to pay them money to get the files back.

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

You can have a backup of the files you have on the computer. Also don’t open up emails and links that you don’t know. And, have an antivirus installed.

**Canadian Attacks (In The Past)**

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

In one of the articles it talked about an incident that happened in a hospital in Oshawa where one of the employees opened up an unknown email and got the whole network infected with ransomware and the hackers asked the hospital to pay them in bitcoin. The hospital had a backup file though and got most of their files back.

1. How badly was Canada affected?

Not too badly since the hospital was able to get almost all of their files back up and their network was up and running after about 2 – 3 days after the attack.

1. What other countries were affected?

Ukraine and Russia were also affected by ransomware.

1. Where did the attack come from?

It was unknown where the attack came from.

1. Why was the attack started?

There was a possibility that the attack had come from U.S taxpayer funded tools.

1. How was the attacked stopped?

In the US, they issued a security fix.

**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.

The attack happened to a dentist in Toronto. He got affected by ransomware and the people who had his files wanted money to give them back. It happened at a dentist clinic in Toronto. It happened in October of 2019. The dentist clinic was only one of the places affected by ransomware in the series of attacks that happened. They have also happened in Woodbridge, Stratford, and the nation. This shows that there has been an increase in the amount of ransomware attacks in the recent years.