

BBT & PDCP 10 – ASSIGNMENT 1

Core Technology Skills – Digital Security

Curriculum Outcomes:

3. Citizenship

- 3-1. Understand human, cultural, and societal issues related to technology.
- 3-2. Practice safe, legal, and ethical use of information and technology, including the responsibilities associated with careers explored in the course.

Today, we will begin working on our **Core Technology Skills**. Click [HERE](#) for an introduction to Digital Citizenship Education.

Next, click [HERE](#) to learn about the first unit in Digital Citizenship Education, **Digital Security**. [You will see Assignments 1, 2 and 3 on this website (bbtnb.cdxauto). Read everything, but your actual assignments have been condensed into just one assignment and are on this page.]

Now, click [HERE](#) to read this CBC article about the worst passwords found in a hacking/leak of passwords.

After you complete your readings, **answer the questions below** in a MS Word document. [Please use the “Template” we created in MS Word to get started. Make sure the “AutoSave” feature is “Off” then update the “Header” with the proper assignment number (“1”), name (“Digital Security”) and date. Click on “File” then “Save as” and save the assignment on your OneDrive - EECD in your “BBT & PDCP 10” folder in the “Core Technology Skills” sub-folder. Name the assignment “Assignment 1” and make sure the “AutoSave” feature is “On”. Type up your responses to the six (6) questions then print and submit Assignment 1 to Mrs. Maltby Ingersoll.]

QUESTIONS:

1. Give two examples of bad or weak passwords. (2)
2. What is one bad or weak password that you have used in the past and do not use anymore? (Make one up if you have to.) (1)
3. In your opinion, who is most likely to use a bad or weak password? Explain. (Choose only one group. For example, teenagers, teachers, seniors, gamers, etc.) (2)
4. How long do you think a password should be to be safe and strong? Explain. (2)
5. After exploring **Kapersky’s Password Checker** on the bbtnb.cdxauto website, make up a password that is “**BEST**” using the tips in this section. (Make sure this is one that you will not really use because you will be sharing it with your teacher.) (1)
6. **SOLVE:** If you had a four-digit password which could be letters (capitals of which there are twenty-six or lowercase of which there are also twenty-six), digits (there are ten digits, 0 to 9), or symbols (for the purpose of this question, assume there are ten symbols), what is the probability of someone guessing the four digits? **Please show your work.** (2)

(**HINT:** For the denominator, find the total of all of the choices and multiply that number by itself four times.)

Here's how I would like you to set up your MS Word document:

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September 15, 2021

1. Give two examples of bad or weak passwords.

Examples: dog
 cat

2. What is one bad or weak password that you have used in the past and do not use anymore?
(Make one up if you have to.)

Melanie

etc.