Activity 1.1.2 - Testing Password Strength

For this activity you will be experimenting with password creation. WARNING: It is recommended to not use a real password that you have used for any real accounts.

A. With a partner, create passwords that meet each of the following criteria.

Once you have created all the passwords, go to https://cyber.org/find-curricula/test-strength-your-passwords. Type in each of your passwords and record how long the site says it would take to crack it.

   1. A real word = 3-5 characters using only lower case alphabet

   _____   TIME: _____

   2. A real word = 5-6 characters using lower & upper case alphabet

   _____   TIME: _____

   3. A real word = 6-7 characters using lower & upper case alphabet, numbers, and special characters

   _____   TIME: _____

B. With a partner, create passwords that meet each of the following criteria.

Once you have created all the passwords, go to https://cyber.org/find-curricula/test-strength-your-passwords. Type in each of your passwords and record how long the site says it would take to crack it.

For # 4 - 6, use real words PLUS names of people, games, teams, movies, etc.

   1. 8-9 characters using only lower case alphabet

   _____   TIME: _____

   2. 8-9 characters using lower & upper case alphabet

   _____   TIME: _____

   3. 8-9 characters using lower & upper case alphabet, numbers, and special characters

   _____   TIME: _____

C. Share your results with other pairs or the whole class. Did anyone create a password that takes a month to crack? How about 1 year? What is the password that would take the longest to crack?

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