Did you ever think you would need to know how to crack a passcode? By understanding how to crack a passcode, you’ll know how to protect yourself.

Encryption is the process of scrambling a message so that only the intended recipient can read it. You are already using encryption with social networks.

Learn more about cybersecurity by watching this video and then expand your knowledge by completing the worksheet below by yourself or with an adult!

Vocabulary:
- **Encryption**: the process of scrambling a message so that only the intended recipient can read it.
- **Decryption**: the process of unscrambling a message to make it readable.
- **Cipher**: a technique, or algorithm, that performs encryption.
- **Caesar cipher**: an algorithm that replaces each letter from the message with a different letter, a set number of steps forward in the alphabet.
- **Random letter cipher**: shifts each letter a different amount, as dictated by the key.
- **Frequency analysis**: looks for the most common letters, words, and phrases to find the right combination.

Try It Yourself!

Think about how you interact with cybersecurity in your everyday life and how you can increase your awareness of it.

What is the definition of cybersecurity? And why is it important?

List three ways you use encryption on a regular basis?

1. 
2. 
3.