

# Creating a Strong Username & Password

Kayla Horn, Library Media Specialist - Wyoming Indian Elementary School  
Grades - 3rd - 5th

## Learning Target

Students will create a unique username and a strong password using a Caesar Cipher.

## Pretest Questions

1. Can you create a unique username?
2. What is a unique username?
3. Can you create a strong password?
4. What is a strong password?
5. What is a cipher?
6. Can you decipher a password?

## Objectives

Students will:

- Create unique usernames that they can use later.
- Create a strong password using a Caesar Cipher.
- Decipher someone's password.

## Catch

- I will show the students the Caesar Cipher code I want them to use. We will then go into a discussion on the importance of a unique username and strong password.

## Materials Needed

1. Paper
2. Pencil
3. Caesar Cipher sheet

## **Activity**

1. Have a discussion on what a unique username is.
2. Have the students create a unique username.
3. Have a discussion on creating a strong password.
4. Explain what a Caesar Cipher is.
5. Have the students create their own password using the Caesar Cipher.
6. Partner up with someone and share your password and try to decipher each other's password.
7. Have a discussion on keeping our passwords safe and secure.

## **Formative Assessment**

Steps to check for student understanding:

1. The teacher will provide direct instruction on what the students should be doing.
2. The teacher will walk around the room and help students and check for understanding.
3. The students will show their work, and if needed, the teacher can lead a discussion on what information the students missed, how they missed that information and why they missed that information.

## **Post Test Questions**

1. Can you create a unique username?
2. What is a unique username?
3. Can you create a strong password?
4. What is a strong password?
5. What is a cipher?
6. Can you decipher a password?

## **Standards**

CS: 2.NI.C.01, 5.NI.C.01