



Integration Opportunities

English 1.C.1 a, 1.C.2a, 1.RV.1c,d,i

Have students use newly learned vocabulary to describe the purpose of usernames and passwords. Then have students identify private information and discuss how passwords help to protect this information.

History 1.5d Brainstorm appropriate usernames for barrier breakers such as John Mercer Langston, Booker T. Washington, Maggie L. Walker, Barbara Johns, Arthur R. Ashe, Jr., and L. Douglas Wilder.

Math 1.PFA.1c Have students create movement patterns that use actions (clap, stomp, wave) to represent elements of a strong password (letters, numbers, symbols). Discuss how combining these elements helps protect private information.

1.CYB.2 Computing Systems

The student will discuss the importance of using a password to protect private information. (a) Describe the purpose of usernames and passwords. (b) Discuss how passwords are private information and are used to protect the privacy of information.

Understanding the Standard

Connecting devices to a network or the Internet provides great benefit, but care must be taken to protect private information such as a student's name, phone number, and address. To protect private information, many online platforms use usernames and passwords to make sure that only certain individuals have access to a person's information. Usernames are unique account names given to individuals and should not include private information such as full names or phone numbers. Passwords are used to protect devices and information from unauthorized access. Strong passwords have characteristics that make them more difficult to guess. Many websites have rules as to the length and composition of passwords; these rules help create stronger passwords. The practice of not sharing passwords should be emphasized in the classroom and at home.

Term	Definition
Digital Safety	Protecting yourself while using devices.
Username	A special public name given to an individual to identify them on an online network.
Password	A secret code used to log into accounts and keep information private.
Personal information	Specific information about a student.

Prerequisite Knowledge

Students should have a basic understanding of safe and unsafe actions. Students should also have knowledge of the word private, but may need additional help in applying the definition to information.

Summary of a Lesson

Explain that passwords are used as a way to protect personal information, which can be compared to a secret code only known to the individual. Show common symbols, numbers, and letters that make up the components of passwords. Guide students in creating a strong password together and explain its characteristics to help students understand that strong passwords make it harder for others to access their accounts and ensure privacy and safety. Emphasize the importance of not using other students' passwords and explain the concept of logging off devices to protect personal information. In groups or pairs of students, provide a scenario where students need to create a strong password, such as for their school account, an online game, or a drawing app.

