Standard: NI.C.01   Grade: 1

Standard 1.NI.C.01

Recognize what passwords are, why they are used, and why they are not shared.

Essential Skills

Explain the purpose of passwords

Demonstrate good practices for keeping passwords private.

Essential Questions

Why is it important to use passwords and to keep them private?

Explanation

Students will utilize passwords for access to **computing devices** or **applications** and be able to explain that they protect their personal information and devices. They should recognize that protecting one's device or information from unwanted use by others is an essential first step in **cybersecurity**. By second grade, student should understand that a strong password contains 8 or more characters with a mix of numbers, upper- and lower-case letters and special characters.

Think of this as similar to….

You shouldn't give strangers information about you like your phone number and address.

Implementation Examples—What would this look like in the classroom?

Title	Description	Link	Content Connection & Notes
Json's Password eBook	**Grade K**-- Read the story with students; discuss why Json used a password and what would have happened if the password had not been kept private. **Grade 1**---Students use the story to brainstorm other situations they would want to use passwords and why; they should include online situations; identify how Json kept his password private, and how they can keep their passwords private.	[Jsons' Password](#) Book; available on Kindle for $0.99	This lesson may also align to **ELA** Reading standards.
Princess Password	**Grade K**--Read the Princess Password story to students as a class. Students should recognize when the Princess used a password and relate it to their use of a password. They should also recognize what happens if a password is shared. **Grade 1**--After reading the story as a class, students should identify what the password is used for in the story and how the Princess could have kept her password safer. Students should identify other ways in which passwords should be kept safe and private. **Grade 2**--Students identify the benefit of using a password on their game accounts and other accounts. Students should create guidelines for the Princess to create a new password.	The Princess' Password [Book](#) and [Discussion Guide](#)	This lesson may also align to **ELA** Reading standards.

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These annotations are a collaboration between [Maryland Center for Computing Education](#) and the [Maryland State Department of Education](#).