

## Standard: NI.C.01 Grade: 5

### Standard 5.NI.C.01

Define **personal identifiable information** (e.g., digital footprint) and why it should be protected as related to real-world **cyber security** problems.

### Essential Skills

Compare and contrast **personal identifiable information** and **digital footprint** and provide examples of each.

Identify **cybersecurity** issues that can result from not protecting personally identifiable information.

### Essential Questions

Why should you use caution when using public Wi-Fi and public **computing devices**?

How can you use computing devices in a responsible manner?

What are some consequences of not protecting your PII (**personally identifiable information**) could be compromised?

### Explanation

Student will discuss why and how **personal identifiable information** (PII) can and should be protected online. Responsible use of **computing devices**, such as use of **anti-virus software** and accessing only safe internet sites, will help protect devices and PII. Students will examine how PII can be compromised (e.g., through the use of public, unsecured Wi-Fi and not logging out when using public computers) and determine the consequences that are associated with unprotected PII such as the identity theft, **hacking**, and computer viruses. By fifth grade students should have a complete understanding of how almost everything they do on the internet creates their **digital footprint**, information, that is acceptable to share publicly (e.g., their favorite color), and the kinds of situations in which it is acceptable to share some of their PII (e.g., ordering merchandise from a reputable internet site).

### Think of this as similar to....

We protect our personal property by locking doors and using a home or car security system.

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

Title	Description	Link	Content Connection & Notes
<b>Data Defenders</b>	<b>Grade 5</b> --Students play this interactive game and have to make decisions about what personal information to share. They explore reasons their information is collected and ways they can protect their privacy while still using the games and apps they enjoy. .	<a href="#">Data Defenders</a>	<b>Data Defenders</b>

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