

K-12 Computer Science and Digital Fluency Learning Standards

Contents

Concept Areas

<u>Impacts of Computing</u>	3
<u>Computational Thinking</u>	4
<u>Networks & System Design</u>	5
<u>Cybersecurity</u>	6
<u>Digital Literacy</u>	7



IMPACTS OF COMPUTING





CYBERSECURITY

Risks	<p>4-6.CY.1 Explain why different types of information might need to be protected.</p>	<p>Clarifying Statement The emphasis is on discussing different reasons that adversaries may want to obtain, compromise, or leverage different types of information. At this stage, students should be focused on general concepts.</p>
Safeguards	<p>4-6.CY.2 Describe common safeguards for protecting personal information.</p> <p>4-6.CY.3 Describe trade-offs between allowing information to be public and keeping</p>	<p>Clarifying Statement The emphasis is on describing common safeguards such as protecting devices and accounts with strong passwords, keeping software updated, and not sending sensitive information over SMS.</p>

DIGITAL LITERACY

Digital Use

4-6.DL.1

Type on a keyboard while demonstrating proper keyboarding technique.

Clarifying Statement

The focus is on direct instruction in keyboarding. Instruction should focus on form over speed and accuracy.