



# 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 &amp; System Design</u>	5
<u>Cybersecurity</u>	7
<u>Digital Literacy</u>	8

---



Modeling  
and  
Simulation

9 - 12.CT.1  
Create a simple digital model that makes predictions of outcomes.

Clarifying Statement  
The focus is on using data to build alternative s 5.48.6(d)2(a 6cn 13

9-12.CT.10

Collaboratively design and develop a program or computational artifact for a specific audience and create documentation outlining implementation features to inform collaborators and users.

Clarifying Statement

The focus is on the collaborative aspect of software development, as well as the importance of documenting the development process such that the reasons behind various



N



## CYBERSECURITY

Risks	9-12.CY.1 Determine the types of personal and organizational information and digital resources that an individual may have access to that needs to be protected.	Clarifying Statement The emphasis is on identifying both personal information and organizational information, and devices and embedded systems, that an individual may have access to and that adversaries may want to compromise, obtain, or leverage.
Safeguards	9-12.CY.2	

