

Kindergarten

Computational Thinking

1 Develop utilize and evaluate algorithms, to model and solve problems.

- 1 An algorithm is a set of step-by-step instructions to complete a task. [CS.K.1.1](#)
 - a Follow algorithms (step by step instructions) to complete tasks. [CS.K.1.1.A](#)

3 Represent and analyze data in order to generate new knowledge and capability.

- 2 Data contains patterns. [CS.K.1.2](#)
 - a Define data as stored information. [CS.K.1.2.A](#)
 - b Identify patterns in data. [CS.K.1.2.B](#)

Computing Systems and Networks

6 Recognize and analyze security concepts.

- 1 Passwords protect devices and information from inappropriate access. [CS.K.2.1](#)
 - a Practice entering passwords to gain access to content and give a simple explanation about why passwords are necessary. [CS.K.2.1.A](#)

Cybersecurity

9 Create a security risk profile that recognizes and analyzes security concepts.

- 1 Some information is private and should be protected from access by users who do not have permission. [CS.K.4.1](#)
 - a Keep login information private and log off devices appropriately. [CS.K.4.1.A](#)
 - b Distinguish between private vs. public information. [CS.K.4.1.B](#)

Digital Citizenship

13 Practice responsible, ethical, and safe use of computing technology and the internet.

- 1 Personal information must be protected in person, on digital devices and online. [CS.K.6.1](#)
 - a Describe appropriate and inappropriate uses of digital devices. [CS.K.6.1.A](#)
 - b Work respectfully and responsibly with others. [CS.K.6.1.B](#)