

Grade 2

Computing Systems and Networks

5 Develop systems solutions from a set of specifications to complete a design process.

- 1 When developing a plan or solution, the designer must follow specifications designated for the program. [CS.2.2.1](#)
 - a Develop plans that describe a program's sequence of events, goals, and expected outcomes. [CS.2.2.1.A](#)

Computer Programming

7 Design and create programs, individually and collaboratively, for a variety of disciplines.

- 1 A computer program is a sequence of steps expressed in a computer programming language so that a computer can follow and perform the steps. [CS.2.3.1](#)
 - a Select and use appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use. [CS.2.3.1.A](#)
 - b Develop programs with sequences and simple loops, to express ideas or address a problem. [CS.2.3.1.B](#)

Artificial Intelligence (AI)

10 Use AI tools to analyze and understand the world and to create and inspire ideas.

- 1 AI tools can perform intelligent tasks, such as recognition of patterns, decision-making, and classification of information, that help users understand the world. [CS.2.5.1](#)
 - a Demonstrate how to train a computer to recognize something. [CS.2.5.1.A](#)
 - b Describe and provide examples of how people learn and how computers learn. [CS.2.5.1.B](#)
 - c Describe the kinds of tasks an intelligent assistant can and cannot perform. [CS.2.5.1.C](#)
 - d Describe some jobs that no longer exist due to advances in technology. [CS.2.5.1.D](#)
 - e Identify devices in daily life that use AI technologies. [CS.2.5.1.E](#)

11 Evaluate the uses of AI.

- 2 AI tools can be designed for a variety of purposes and can impact people differently based on how they are designed. **CS.2.5.2**
 - a Examine a labeled dataset and identify problems in the data that could lead a computer to make incorrect predictions. **CS.2.5.2.A**
 - b Identify current uses of AI and how they have impacted people. **CS.2.5.2.B**
 - c Describe how AI can be used to solve problems that affect people. **CS.2.5.2.C**
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Digital Citizenship**13 Practice responsible, ethical, and safe use of computing technology and the internet.**

- 1 Digital citizenship involves being responsible for one's own behavior and being aware of laws that protect the rights of others. **CS.2.6.1**
 - a Discuss examples of cyberbullying and model age-appropriate responses to cyberbullying. **CS.2.6.1.A**
 - b Discuss the concept of copyright. **CS.2.6.1.B**