

# Computer Science: 3-5

## Computer Systems and Computational Thinking

- 1 Verbalize the steps to solve a problem. CS.3-5.1
- 2 Work together in a team to solve a problem. CS.3-5.2
- 3 Identify various components and functions of technology. CS.3-5.3

## Networks and Cyber Infrastructure

- 4 Identify various components and functions of computers and technology. CS.3-5.4
- 5 Utilize appropriate digital tools for connecting people through network/Internet. CS.3-5.5
- 6 Identify the importance of staying safe while using family- and educator-approved Internet sites. CS.3-5.6

## Data and Information

- 7 Collect and organize data using appropriate digital tool. CS.3-5.7
- 8 Analyze, interpret, and communicate data to support or refute a claim. CS.3-5.8

## Programming and Algorithms

- 9 With support and guidance, analyze and write the steps to solve problems. CS.3-5.9
- 10 Understand how to decompose a larger problem into smaller sub-problems using sequences, events, loops, and conditionals. CS.3-5.10
- 11 With support and guidance, design, create, test, and debug procedures/algorithms. CS.3-5.11

## Impacts of Computing

- 12 Research and discuss how technology has changed over time. CS.3-5.12
- 13 Identify ways that technology can assist with their daily life. CS.3-5.13
- 14 With guidance and support, brainstorm ways to improve the accessibility and usability of technology products for the diverse needs and wants of others. CS.3-5.14