

# 1st Grade

## Navigating the Digital World 1

### 1 Digital Communication - Using devices to stay connected with people. 1.1

- 1 Identify the difference in positive and negative online interactions. 1.1.1
  - 2 Identify cyberbullying behaviors. 1.1.2
  - 3 Understand personal responsibility and consequences for online actions. 1.1.3
  - 4 Identify how online messages (e.g., words, emojis, pictures) make others feel when they receive them. 1.1.4
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### 2 Digital Privacy & Security - Keeping you safe while exploring and learning online. 1.2

- 1 Identify which information should and shouldn't be shared online, including passwords. 1.2.1
  - 2 Explain the importance of using safe and approved websites. 1.2.2
  - 3 Recognize advertisements on websites and interact appropriately. 1.2.3
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### 3 Responsible Use of Technology - Developing good habits to use throughout their digital lives. 1.3

- 1 Explain how to balance screen time with other activities and understand the potential negative consequences. 1.3.1
  - 2 Understand that sharing work, including digital work, can be considered cheating. 1.3.2
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## Programming Fundamentals 2

### 1 Computational Thinking - Breaking down big, complex problems into smaller, manageable parts. 2.1

- 1 Identify patterns in the real world. 2.1.1
  - 2 Follow a set of simple instructions to complete a task. 2.1.2
  - 3 Decompose (break-down) a task (e.g., bedtime routine, decoding words) into simple steps. 2.1.3
  - 4 Identify key details in a simple problem. 2.1.4
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### 2 Designing Algorithms- Creating sets of instructions for solving problems. 2.2

- 1 Use symbols to represent the steps in an algorithm (e.g., arrows for turning and moving). 2.2.1
- 2 Identify and correct errors in a given sequence. 2.2.2

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**3 Develop Programming Skills - Learning to create simple instructions for computers to express ideas. 2.3**

- 1 Explain that a program is a set of instructions that defines what a computer or device does. 2.3.1
  - 2 Construct a basic program using block-based coding. 2.3.2
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**Making Decisions with Data 3**

**1 Data Collection - Gathering and organizing information to understand the importance of data in everyday life. 3.1**

- 1 Collect data from people and places (e.g., classroom, classmates, park, grocery store). 3.1.1
  - 2 Identify tools (e.g., thermometer, ruler) used for gathering data. 3.1.2
  - 3 Understand the importance of gathering data carefully to get correct information. 3.1.3
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**2 Data Analysis - Understanding how data can be used to answer questions and make decisions in daily life. 3.2**

- 1 Sort by a specific attribute (e.g., color, shape, weight). 3.2.1
  - 2 Compare sets of objects. 3.2.2
  - 3 Describe the minimum (“least”) and maximum (“most”) of collected data. 3.2.3
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**3 Data Representation - Presenting data in various ways that make the information easier to understand and analyze. 3.3**

- 1 Create and interpret simple visualizations of data (e.g. bar graph, pictograph, tally chart). 3.3.1
  - 2 Explain a data set using words. 3.3.2
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**Computing Essentials 4**

**1 Computer Components- Focusing on the basic functions of each part of the computer. 4.1**

- 1 Identify common computer peripherals (e.g., printer, speaker, webcam) and how they work together to perform tasks. 4.1.1
- 2 Demonstrate proper handling and care of computer equipment. 4.1.2
- 3 Understand that an app or program performs a specific task. 4.1.3
- 4 Perform fundamental troubleshooting for common, observable computer issues (e.g., volume is muted, keyboard unplugged). 4.1.4

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**2 Digital Literacy- Using a variety of digital tools to create, communicate, collaborate, and apply learning across subjects.** 4.2

- 1 Create and express ideas (e.g., drawing, writing, storytelling) using digital tools, applying basic formatting (e.g., cut, copy, paste text/images). 4.2.1
- 2 Review and make simple improvements to digital content, including correcting mistakes. 4.2.2
- 3 Save digital work using appropriate naming conventions. 4.2.3
- 4 Practice typing simple sentences using letter, number, backspace, delete, and shift keys. 4.2.4

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**3 Connected Devices - Understanding how computers communicate and share information.** 4.3

- 1 Identify devices that use wired and wireless network connections. 4.3.1
- 2 Recognize that computers are linked through networks to access and communicate information. 4.3.2
- 3 Recognize basic physical connections as simple troubleshooting (e.g., cable plugged in, Wi-Fi signal). 4.3.3