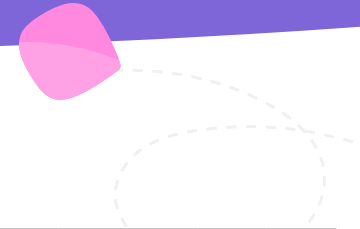


Computer Science and Digital Fluency Learning Standards Grades 4-6



| Concept Areas | Clarifying Statement | TypeTastic Keyboarding Curriculum | Cyberbullying | Copyright | Digital Footprint | Reliable Information | Data Connectivity | Digital Citizen's Basic Skills | Selecting Correct Device | Selecting Correct Software | Office Software | Troubleshooting | Digital Progress | Critical Thinking ⁺ | Data ⁺ | Data collection tools ⁺ | Basics of AI ⁺ | CodeMonkey Coding Curriculum |
|--|--|-----------------------------------|---------------|-----------|-------------------|----------------------|-------------------|--------------------------------|--------------------------|----------------------------|-----------------|-----------------|------------------|--------------------------------|-------------------|------------------------------------|---------------------------|------------------------------|
| Impacts of Computing | | | | | | | | | | | | | | | | | | |
| Society | | | | | | | | | | | | | | | | | | |
| 4-6.IC.1 Describe computing technologies that have changed the world, and express how those technologies influence, and are influenced by, cultural practices. | The focus should be on how computing technologies both influence and are influenced by society and culture. | | | | | | | | | | | | • | | | | | |
| 4-6.IC.2 Explain how laws impact the use of computing technologies and digital information. | The focus is on how laws regulate the use of computing technologies and what might happen if those laws did not exist. | | | • | | | | | | | | | | | | | | |
| Ethics | | | | | | | | | | | | | | | | | | |
| 4.6.IC.3 Explain current events that involve computing technologies. | Explanations should be grade level appropriate to ensure understanding of current events and the related computing technologies. | | | | | | | | | | | | | | | | | |
| 4.6.IC.4 Explain who has access to data in different digital spaces. | The focus is on identifying different groups who might have access to data stored or posted in different places, including companies. | | | | | | | | | | | | | | | | | |
| 4.6.IC.5 Explain how computer systems play a role in human decision-making. | The focus is on explaining a range of ways that humans interact with AI to make decisions. | | | | | | | | | | | | | | | | • ⁺ | |
| Accessibility | | | | | | | | | | | | | | | | | | |
| 4-6.IC.6 Identify and explain ways to improve the accessibility and usability of a computing device or software application for the diverse needs and wants of users. | The focus is on identifying the needs and wants of diverse end users and purposefully considering potential perspectives of users with different backgrounds, ability levels, points of view, and abilities. | | | | | | | | | | | | • ^{**} | | | | | |

[illegible]

[illegible]

[illegible]

Computer Science and Digital Fluency Learning Standards Grades 4-6



| Concept Areas | Clarifying Statement | TypeTastic Keyboarding Curriculum | Cyberbullying | Copyright | Digital Footprint | Reliable Information | Data Connectivity | Digital Citizen's Basic Skills | Selecting Correct Device | Selecting Correct Software | Office Software | Troubleshooting | Digital Progress | Critical Thinking ⁺ | Data ⁺ | Data collection tools ⁺ | Basics of AI ⁺ | CodeMonkey Coding Curriculum |
|---|--|-----------------------------------|---------------|-----------|-------------------|----------------------|-------------------|--------------------------------|--------------------------|----------------------------|-----------------|-----------------|------------------|--------------------------------|-------------------|------------------------------------|---------------------------|------------------------------|
| 4-6.CY.3 Describe trade-offs between allowing information to be public and keeping information private and secure. | The focus is on considering the trade-offs of data sharing in different contexts. | | | | | | | | | | | | | | | | | |
| 4-6.CY.4 Model and explain the purpose of simple cryptographic methods. | The focus is on using ciphers to encrypt and decrypt messages as a means of safeguarding data. | | | | | | | | | | | | | | • ⁺ | | | |
| Response | | | | | | | | | | | | | | | | | | |
| 4-6.CY.5 Explain suspicious activity of applications and devices. | The emphasis is on describing simple forms of suspicious behavior in common applications and devices, including suspicious data/links, viruses and malware. | | | | | | | | | | | | | | | | | |
| Digital Literacy | | | | | | | | | | | | | | | | | | |
| Digital Use | | | | | | | | | | | | | | | | | | |
| 4-6.DL.1 Type on a keyboard while demonstrating proper keyboarding technique. | The focus is on direct instruction in keyboarding. Instruction should focus on form over speed and accuracy. | • | | | | | | | | | | | | | | | | |
| 4-6.DL.2 Select appropriate digital tools to communicate and collaborate while learning with others. | Students' progress from understanding that people use digital tools to communicate and collaborate to how they use the tools. Communication and collaboration should be purposeful and, when possible and appropriate, with an authentic audience. | | | | | | | • | | | • | | | | | | | |
| 4-6.DL.3 Conduct and refine advanced multicriteria digital searches to locate content relevant to varied learning goals. | Focus should be on the quality of results a search generates, and how to improve search results based on the task or purpose by defining multiple search criteria and using filters. | | | | | •** | | | | | | | | | | | | |
| 4-6.DL.4 Use a variety of digital tools and resources to create and revise digital artifacts. | The focus is on understanding the editing process when creating digital artifacts on multiple platforms. | | | | | | | | | | •** | | | | | | | |
| 4-6.DL.5 Identify common features of digital technologies. | Many digital technologies have similar features and functionalities. The focus is on identifying the similarities between different programs or applications, such as word processing tools on different platforms. | | | | | | | | | • | • | | | | | | | |

Computer Science and Digital Fluency Learning Standards Grades 4-6



| Concept Areas | Clarifying Statement | TypeTastic Keyboarding Curriculum | Cyberbullying | Copyright | Digital Footprint | Reliable Information | Data Connectivity | Digital Citizen's Basic Skills | Selecting Correct Device | Selecting Correct Software | Office Software | Troubleshooting | Digital Progress | Critical Thinking [†] | Data [†] | Data collection tools [†] | Basics of AI [†] | CodeMonkey Coding Curriculum |
|---|---|-----------------------------------|---------------|-----------|-------------------|----------------------|-------------------|--------------------------------|--------------------------|----------------------------|-----------------|-----------------|------------------|--------------------------------|-------------------|------------------------------------|---------------------------|------------------------------|
| Digital Citizenship | | | | | | | | | | | | | | | | | | |
| 4-6.DL.6 Describe persistence of digital information and explain how actions in online spaces can have consequences. | In order for students to be able to effectively manage their digital identities, it should be understood that online information doesn't "go away," and that information posted online can affect their real lives, even years in the future. | | | | • | | | | | | | | | | | | | |
| 4-6.DL.7 Identify and describe actions in online spaces that could potentially be unsafe or harmful. | The focus is on identifying and describing potentially unsafe behaviors, and actions to take if they are witnessed or experienced, including cyberbullying. | | • | • | | | | • | | | | | | | | | | |

* CodeMonkey Coding Curriculum sold separately for current customers

** Standard aligned using offline materials

[†] To be released in Spring 2025