

Texas Fifth Grade Technology Guidelines Checklist

Computational Thinking

- ☐ Foundations of computing:
 - Identify, describe, and use input/output devices.
 - Understand how technology is used in daily life and across careers.
 - Explore and describe problem-solving with digital tools.
- ☐ Problem solving and algorithms:
 - Decompose a problem into smaller steps.
 - Create and follow a sequence of steps (algorithm) to solve a task.
 - Predict and debug errors in a set of instructions (e.g., in a simple code or program).

Creativity and Innovation

- ☐ Digital content creation:
 - Create original works like stories, presentations, or videos using digital tools.
 - Use a variety of media (text, images, sound, video) to express ideas.
 - Modify or remix existing digital content (with proper permissions or citations).
- ☐ Programming and coding:
 - Use block-based coding or age-appropriate software to design and build basic programs.
 - Understand simple loops, conditionals, and events in a programming context.

Data Literacy, Management, and Digital Tools

- ☐ Collecting and analyzing data:
 - Use digital tools to collect, sort, and display data (charts, graphs).
 - Identify patterns or trends from simple data sets.
- ☐ Use of digital tools:
 - Use software to create, edit, and format documents and presentations.



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- Use search strategies to locate reliable digital information.
- Save and organize files effectively.

Digital Citizenship

- ☐ Online safety and responsibility:
 - Understand and practice safe, legal, and responsible use of technology.
 - Recognize personal information and know when not to share it.
 - Demonstrate respectful online behavior (netiquette).
 - Understand basic concepts of copyright, fair use, and citing sources.

