

Essential Skills for Standard: CS.T.01

Grade	Standard	Essential Skills
K	Recognize the possibility computing systems might not work as expected and identify basic hardware and software problems using appropriate technical terminology (e.g., monitor turned off, volume decreased on headphones).	Use appropriate terminology to identify issue and/or part of computing device that is not functioning correctly.
1	Identify and communicate basic hardware and software problems that may occur during use (e.g., application or program not working correctly, no sound coming from device, caps lock turned on), using appropriate technical terminology.	Contrast the way a computing device or program is not working properly with the way it is expected to work.
2	Identify and summarize basic troubleshooting techniques to solve basic hardware and software problems (e.g., turning off and on a device to restart, closing and reopening an application/program, turning on speakers).	Identify possible strategies to resolve an issue with a computing device or program. Implement the strategies identified and determine if the issue has been resolved.
3	Identify and troubleshoot , using appropriate technical terminology, simple hardware and software problems that may occur during everyday use, discuss problems with peers and adults (e.g., viruses , malware , versions of software and non-working applications , refresh screen, closing/reopening application, adjusting volume on headphones or speakers).	Effectively communicate, using appropriate technical language, the specific problem encountered when a device or program is not working properly. Perform basic troubleshooting strategies.
4	Identify, using appropriate technical terminology, simple hardware and software problems that may occur during everyday use, discuss problems with peers and adults, and apply various strategies for solving these problems (e.g., rebooting the device, checking the power, forced shutdown of an application, running anti-virus).	Apply a variety of troubleshooting strategies to address the problems that arise with computing devices .
5	Identify, using appropriate technical terminology, simple hardware and software problems that may occur during everyday use, discuss problems with peers and adults, apply a variety of strategies for solving these problems, and provide evidence why these strategies did or did not work.	Recognize and explain, using appropriate technical language, common problems that occur with computing devices. Analyze the reasons for success or failure of attempted solutions to problems with computing devices.

Skills for Standard: CS.T.01 Grades K-5

These annotations are a collaboration between [Maryland Center for Computing Education](#) and the [Maryland State Department of Education](#).