

Computer Science Standards Alignment

Standards



Legend

•	The standard is clearly addressed by program activities.
-	This standard potentially could be addressed as part of <i>FIRST</i> ® LEGO® League Discover either by actions that the coach or teacher takes when working with the students or by conditions established by the program.

Grades K-2

Cluster	Indicator	Indicator Statement	Addressed
Computing Systems	1A-CS-01	Select and operate appropriate software to perform a variety of tasks, and recognize that users have different needs and preferences for the technology they use.	
	1A-CS-02	Use appropriate terminology in identifying and describing the function of common physical components of computing systems (hardware).	
	1A-CS-03	Describe basic hardware and software problems using accurate terminology.	
Networks & the Internet	1A-NI-04	Explain what passwords are and why we use them, and use strong passwords to protect devices and information from unauthorized access.	
Data & Analysis	1A-DA-05	Store, copy, search, retrieve, modify, and delete information using a computing device and define the information stored as data.	
	1A-DA-06	Collect and present the same data in various visual formats.	
	1A-DA-07	Identify and describe patterns in data visualizations, such as charts or graphs, to make predictions.	
Algorithms & Programming	1A-AP-08	Model daily processes by creating and following algorithms (sets of step-by-step instructions) to complete tasks.	
	1A-AP-09	Model the way programs store and manipulate data by using numbers or other symbols to represent information.	
	1A-AP-10	Develop programs with sequences and simple loops, to express ideas or address a problem.	
	1A-AP-11	Decompose (break down) the steps needed to solve a problem into a precise sequence of instructions.	
	1A-AP-12	Develop plans that describe a program's sequence of events, goals, and expected outcomes.	
	1A-AP-13	Give attribution when using the ideas and creations of others while developing programs.	
	1A-AP-14	Debug (identify and fix) errors in an algorithm or program that includes sequences and simple loops.	
	1A-AP-15	Using correct terminology, describe steps taken and choices made during the iterative process of program development.	
Impacts of Computing	1A-IC-16	Compare how people live and work before and after the implementation or adoption of new computing technology.	
	1A-IC-17	Work respectfully and responsibly with others online.	
	1A-IC-18	Keep login information private, and log off of devices appropriately.	