Essential Skills for Standard: CS.HS.01

Grade	Standard	Essential Skills
K	Identify by name and locate common **computing devices** and external **hardware** in a variety of environments, using appropriate technical terminology (e.g., mobile devices, desktop computer, laptop computer, mouse, keyboard, **wearables**).	Identify different **computing devices**. Identify external **hardware components** of a computing device using correct terminology.
1	Identify and describe functions of common computing devices and external hardware (e.g., mobile devices, desktop computer, laptop computer, mouse, keyboard, printer, wearables).	Describe the function of external hardware components. Describe the function of common computing devices.
2	Identify internal and external components of a computer system and their basic functions (e.g., **hard drive** and memory) as well as peripherals (e.g., printers, scanners, external hard drives) and external storage features and their uses (e.g., **cloud storage**).	Explain the role of the **CPU**, **memory**, and **hard drive** of computing devices. Differentiate among the hard drive of a computer, an external hard drive, and **cloud storage** as appropriate.
3	Identify a variety of ways computer hardware and **software** work together as a system to accomplish a task.	Distinguish between hardware and **software**. Explain how software and hardware depend on each other to function correctly.
4	Identify and describe a variety of ways computer hardware and software work together as a system to accomplish a task, using appropriate technical terminology (e.g., **input**, **output**, **processors**, **sensors**, storage).	Describe the different types of **input** that a computing system may receive and the **components** that could be involved (e.g., mouse, keyboard, **sensors**) Identify the **processor** as the component which manipulates input into **output** and describe the different ways in which a **computing system** may produce output and the components that could be involved (e.g., monitor, printer, speaker)
5	Model and explain how information flows through hardware and software to accomplish a task.	Create a model that shows the path of an input through a **computing device** and its conversion to an output.

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