3 Tech 2020 - Computing Systems

Content Area: **Technology**
Course(s): **Technology Education 3**
Time Period: **Marking Period 4**
Length: **10 days**
Status: **Published**

Established Goals/Standards

CS.3-5.8.1.5.CS.1	Model how computing devices connect to other components to form a system.
CS.3-5.8.1.5.CS.2	Model how computer software and hardware work together as a system to accomplish tasks.
CS.3-5.8.1.5.CS.3	Identify potential solutions for simple hardware and software problems using common troubleshooting strategies.
CS.3-5.CS	Computing Systems
	Shared features allow for common troubleshooting strategies that can be effective for many systems.
	Software and hardware work together as a system to accomplish tasks (e.g., sending, receiving, processing, and storing units of information).
	Computing devices may be connected to other devices to form a system as a way to extend their capabilities.

Essential Questions

Please add your Essential Questions by clicking on the Lists tab above.

- How can I figure out how to fix my computer when it isn't working as expected?
- How do computing devices connect to each other to form a system?
- How do software and hardware work together?

Enduring Understanding

Please add your Enduring Understandings by clicking on the Lists tab above.

- Computing devices may be connected to other devices to form a system as a way to extend their capabilities.
- Software and hardware work together as a system to accomplish tasks (e.g., sending, receiving, processing, and storing units of information).

Content

- Hardware PC vs Mac
- Identification of hardware components: CPU, monitor, keyboard, mouse, printer
- Identification of software: operating software vs. programs

- Simple troubleshooting steps when things go wrong

Assessment

Unit test

Modifications and Accommodations

Accommodations and Modifications according to student IEP, 504, I&RS goals, and/or gifted status

Resources

BrainPOP

Computer component models

Teacher designed presentations