

Grade 3 (Ages 8–9)

Concept	Identifier	Standard
Algorithms & Design	E3-ALG-PS-01	Create an algorithm that includes a combination of sequence, events, iteration, and selection to solve a problem or express an idea.
	E3-ALG-ML-02	Investigate how a machine learning model can change when new data is added to a training set.
	E3-ALG-IM-03	Compare how different algorithms may affect outcomes, situations, and people with a wide range of needs.
Programming	E3-PRO-PD-04	Develop code from a student-created algorithm that includes a combination of sequence, events, iteration, and selection to solve a problem or express an idea.
	E3-PRO-PD-05	Use constructive feedback to improve a program.
	E3-PRO-VD-06	Identify the variables being stored and manipulated in a program.
	E3-PRO-RD-07	Articulate how a specific segment of code contributes to the overall purpose of a program.
	E3-PRO-TR-08	Debug a program that includes a combination of sequence, events, iteration, and selection.
Data & Analysis	E3-DAT-DC-09	Evaluate numeric and non-numeric data for accuracy and completeness.
	E3-DAT-DI-10	Investigate a data question involving relationships between multiple attributes.
	E3-DAT-IM-11	Design a data collection process that addresses the needs of people from different backgrounds or groups.
Systems & Security	E3-SYS-HW-12	Describe the role of software in a computing system to accomplish tasks or solve problems.
	E3-SYS-SE-13	Evaluate how sharing information online might reveal personally identifiable information and other details.
	E3-SYS-NT-14	Explain how people access the internet to gain information and communicate with each other.
	E3-SYS-IM-15	Describe how widely used computing systems may impact an individual's life and community.
Computing & Society	E3-SOC-HI-16	Examine how computing innovations have changed the ways people live, work, or communicate over time.
	E3-SOC-ET-17	Describe how new technologies create both benefits and risks in personal and family life.
	E3-SOC-HU-18	Examine why people design and build computing technologies.
	E3-SOC-CE-19	Explain how people in different industries use computing technologies and skills to accomplish their work.

