CS Standards 2024 — 4th Grade

(Standard)	Description	Mission 1	Mission 2	Mission 3	Mission 4	Remix 1	Mission 5	Mission 6	Remix 2	Mission 7	Mission 8	Remix 3	Mission 9	Remix 4	Mission 10	Mission 11	Mission 12	Remix 5	OPTIONAL	Mission 13	Mission 14	Mission 15	Mission 16
(1) Comunication & Collaboration –	SC.4 CC.1 Demonstrate effective communication both individually and collaboratively.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.4.CC.2 Evaluate digital information resources.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
(2) Personal Health and Saftey –	SC.4.HS.1. Practice safe and healthy Internet practices.																						
	SC.4.HS.2. Explore the mental and physiological effects of digital device use.																						
(3) Computing Components –	SC.4.CO.1 Introduce foundational computer literacy skills.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
(4) Programming & Software Engineering –	SC.4.PE.1 Explain the purpose of coding.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.4.PE.2 Classify visual representations of data.																						
	SC.4.PE.3. Analyze problem–solving strategies.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
(5) Technological Impact –	SC.4.TI.1 Research a period of technological progress.																						
	SC.4.TI.2 Explain the consequences of the misuse of information.																						
(6) Computational Thinking –	SC.K12.CTR.1.1 Actively participate in effortful learning both individually and collaboratively	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.2.1 Demonstrate understanding by decomposing a problem.		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.3.1 Complete tasks with digital fluency.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.4.1 Express solutions as computational steps.		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.5.1 Create an algorithm to achieve a given goal.		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.6.1 Differentiate between usable data and miscellaneous information.		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.7.1 Solve real–life problems in science and engineering using computational thinking.		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X

CS Standards 2024 — 5th Grade

(Standard)	Description	Mission 1	Mission 2	Mission 3	Mission 4	Remix 1	Mission 5	Mission 6	Remix 2	Mission 7	Mission 8	Remix 3	Mission 9	Remix 4	Mission 10	Mission 11	Mission 12	Remix 5	OPTIONAL	Mission 13	Mission 14	Mission 15	Mission 16
(1) Comunication & Collaboration –	SC.5 CC.1 Demonstrate effective communication.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.5.CC.2 Utilize information gathered using digital resources.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
(2) Personal Health and Saftey –	SC.5.HS.1. Implement safe and healthy Internet practices in–home or educational settings.																						
	SC.5.HS.2. Discuss the mental and physiological effects of digital device use.																						
	SC.5.HS.3 Discuss the impact of digital media and communication.																						
(3) Computing Components –	SC.5.CO.1 Apply foundational computer literacy skills.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X

Category	Standard																						
	SC.5.CO.2 Introduce the concept of hardware components.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.5.CO.3 Introduce the concept of software components	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
(4) Programming & Software Engineering –	SC.5.PE.1 Investigate the uses of computer programs.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.5.PE.2 Interpret visual representations of data.			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.5.PE.3 Demonstrate problem-solving strategies.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
(5) Technological Impact –	SC.5.TI.1 Present periods of technological progress.																						
	SC.5.TI.2. Demonstrate ways to avoid the misuse of information..																						
(6) Computational Thinking –	SC.K12.CTR.1.1 Actively participate in effortful learning both individually and collaboratively	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.2.1 Demonstrate understanding by decomposing a problem.			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.3.1 Complete tasks with digital fluency.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.4.1 Express solutions as computational steps.			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.5.1 Create an algorithm to achieve a given goal.			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.6.1 Differentiate between usable data and miscellaneous information.			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
	SC.K12.CTR.7.1 Solve real-life problems in science and engineering using computational thinking.			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X