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South Dakota Computer Science Standards for Grades 3-5



South Dakota Computer Science Standards for Grades 3-5	Standard description	AI Big Idea	Cyberbullying	Copyright	Digital Footprint	Reliable Information	Data Connectivity	Digital Citizen's Basic Skills	Selecting Correct Device	Selecting Correct Software	Office Software	Troubleshooting	Digital Progress	Critical Thinking	Data	Data Collection & Visualization	Basics of AI +	CodeMonkey Curriculum
Modularity, Program Development																		
3-5.AP.04	Decompose (break down) problems into subproblems to facilitate the program development process, including incorporating portions of existing programs and proper documentation.																	•
Algorithms, Variables, Program Development																		
3-5.AP.05	Discuss how voice assistants use algorithms to understand and respond to spoken commands, as well as factors that contribute to different responses.	4. Natural Interaction															•	
Program Development																		
3-5.AP.06	Use the iterative process to test and debug a program or algorithm to ensure it runs as intended.	2. Representation and Reasoning																•
3-5.AP.07	Collaborate with peers during all stages of program development.																	
3-5.AP.08	Describe choices made during program development using code comments, presentations, and demonstrations.																	
Impacts of Computing																		
Culture																		
3-5.IC.01	Discuss computing technologies that have changed South Dakota and the world, and express how those technologies influence, and are influenced by, cultural practices.	5. Societal Impact						•					•				•	

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3-5.IC.02	Identify limitations and possible solutions relating to accessibility and usability of technology products for the varied needs and wants of users.	4. Natural Interaction 5. Societal Impact											•*				•	
Social Interactions																		
3-5.IC.03	Collect and utilize varied perspectives to improve computational artifacts.	5. Societal Impact											•*				•	
Safety & Regulation																		
3-5.IC.04	Explain societal issues that relate to technology and describe the consequences of inappropriate use.	5. Societal Impact						•									•	