CREATE – Applications from ideas

CONTENT AREA	PERFORMANCE QUALITY			SCORE
Creating Programs: Purpose	The video demonstrates the running of at least one feature of the program. OR The written response or video narration summarizes what the video illustrates, without clearly identifying the program's purpose. 2	The video demonstrates the running of at least one feature of the program. AND The written response or video narration summarizes what the video illustrates, without clearly identifying the program's purpose. 4	The video demonstrates the running of at least one feature of the program that illustrates the program's intended purpose as described in the written response or the video narration. 6	ROW 1
Creating Programs: Purpose	The response identifies the steps in the development of the program process in at least one point. The response must identify at least one point in the development process that was completed independently. 2	The response describes, at two points in the development process, and the difficulties and opportunities encountered. The response must identify at least one point in the development process that was completed independently. 4	The response describes, at two points in the development process, how the difficulties and opportunities encountered were resolved and incorporated as part of an incremental and iterative development process. The response must identify at least one point in the development process that was completed independently. 6	ROW 2

CONTENT AREA	PERFORMANCE QUALITY			SCORE
Creating Programs: Apply Algorithms	The selected algorithm integrates mathematical and/or logical concepts to create an algorithm. The response provides a correct line-by-line summary of the selected algorithm OR a minimal description of an algorithm. 3	The selected algorithm integrates two or more algorithms and integrates mathematical and/or logical concepts to create a new algorithm. The response identifies the algorithm's purpose in the program and accurately describes how the algorithm serves to achieve this purpose. 6	The selected algorithm integrates two or more algorithms and integrates mathematical and/or logical concepts to create a new algorithm. The response identifies the algorithm's purpose in the program and accurately describes how at least two of the algorithms function independently as well as in combination to create a new algorithm to achieve the program's purpose. 9	ROW 3
Creating Programs: Apply Abstraction	The selected abstraction includes mathematical and logical concepts and serves to manage complexity of the program. The response indicates that an abstraction was developed and explains the abstraction. 3	The selected abstraction integrates mathematical and logical concepts and serves to manage complexity of the program. The response indicates that an abstraction was developed and explains the abstraction and its function. 6	The selected abstraction integrates mathematical and logical concepts and serves to manage complexity of the program. The response indicates that an abstraction was developed and accurately explains the abstraction, its function and how it helps to manage complexity of the program. 9	ROW 4