CONTENT AREA & WEIGHTING	PERFORMANCE QUALITY		
	LOW	**MEDIUM**	**HIGH**
1: Developing a Program with a Purpose Submission Requirement: 1; 2a LO: 5.1.1; OR 5.1.2; 5.4.1 Weighted: 20%	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.	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.	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.
2: Developing a Program with a Purpose Submission Requirement: 2b LO: 5.1.1; OR 5.1.2 Weighted: 20%	The response identifies the steps in the development of the program in at least one point. AND The response must identify at least one point in the development of the program that was completed independently.	The response describes a difficulty and an opportunity encountered (or two difficulties or two opportunities) at two points in the development of the program. AND The response must identify at least one point in the development of the program that was completed independently.	The response describes a difficulty and an opportunity encountered (or two difficulties or two opportunities) at two points in the development of the program. AND The response describes how each of the difficulties and/or opportunities were resolved and incorporated as part of an incremental and iterative development process. AND The response must identify at least one point in the development of the program that was completed independently.
3: Applying Algorithms Submission Requirement: 2c LO: 4.1.1; 4.1.2; 5.2.1; 5.5.1 Weighted: 30%	The selected algorithm is a commonly used algorithm and integrates mathematical and/or logical concepts. AND The response provides a general description of the algorithm OR a correct line-by-line summary of the algorithm. *If needed, more than one area of the program code can be selected as part of the response to describe the algorithm.	The selected algorithm integrates two or more commonly used or new algorithms and integrates mathematical and/or logical concepts to create a new algorithm. AND The response identifies the algorithm's purpose in the program and accurately describes with specificity how the algorithm achieves this purpose. *If needed, more than one area of the program code can be selected as part of the response to describe the algorithm.	The selected algorithm integrates two or more commonly used or new algorithms, and integrates mathematical and/or logical concepts to create a new algorithm. AND The response identifies the algorithm's purpose in the program and accurately describes with specificity how the algorithm achieves this purpose. AND The response accurately describes how two of the algorithms function independently as well as in combination to create a new algorithm. *If needed, more than one area of the program code can be selected as part of the response to describe the algorithm.
4: Applying Abstraction Submission Requirement: 2d LO: 2.2.1; 5.3.1 Weighted: 30%	The selected abstraction includes mathematical and/or logical concepts and serves to manage complexity of the program. AND The response indicates that an abstraction was developed and provides a general description or summary of the purpose the abstraction. *If needed, more than one area of the program code can be selected as part of the response to describe the abstraction.	The selected abstraction integrates mathematical and/or logical concepts and serves to manage complexity of the program. AND The response indicates that an abstraction was developed and provides an accurate description with specificity of the purpose of the abstraction. *When necessary, the response should include descriptions of a list(s) or procedure(s), and explains any use of parameters and return values in the abstraction. **If needed, more than one area of the program code can be selected as part of the response to describe the abstraction.	The selected abstraction integrates mathematical and/or logical concepts and serves to manage complexity of the program. AND The response indicates that an abstraction was developed and provides an accurate description with specificity of the purpose of the abstraction. AND The response explains how the abstraction manages complexity of the program due to the inclusion of the abstraction in the program or explains how the program would function without the abstraction. *When necessary, the response should include descriptions of a list(s) or procedure(s), and explains any use of parameters and return values in the abstraction. **If needed, more than one area of the program code can be selected as part of the response to describe the abstraction.

A program that uses a **code segment(s)** written by someone else without citation or reference is considered plagiarized work. The work should be returned to the student to add the necessary citations or references before submitting it to College Board.