

CONTENT AREA & WEIGHTING	PERFORMANCE QUALITY		
	LOW	MEDIUM	HIGH
<p>1: Using Development Processes and Tools</p> <p>Submission Requirement: 1; 2a</p> <p>LO: 1.2.1; 1.2.2</p> <p>Weighted: 24%</p>	<p>The computational artifact is primarily non-textual and conveys a minimal, unclear, or otherwise ineffective explanation, illustration or representation of the computing innovation’s intended purpose, its function, or its effect.</p> <p style="text-align: center;">OR</p> <p>The computational artifact is primarily textual and does not repeat information supplied in the written response.</p>	<p>The computational artifact is primarily non-textual and conveys the computing innovation’s intended purpose, its function, or its effect.</p>	<p>The computational artifact is primarily non-textual and conveys the computing innovation’s intended purpose, its function or its effect in an effective manner, either through richness of detail, breadth of scope, or creative expression.</p>
<p>2: Using Development Processes and Tools</p> <p>Submission Requirement: 2b</p> <p>LO: 1.2.2</p> <p>Weighted: 17%</p>	<p>The response identifies the computing tool(s) used to develop the computational artifact and provides a general description of the development process.</p>	<p>The response identifies the computing tool(s) used to develop the computational artifact, and describes at least two significant stages in the development process to create the computational artifact.</p>	<p>The response identifies the computing tool(s) used to develop the computational artifact, and describes at least two significant stages in the development process to create the computational artifact.</p> <p style="text-align: center;">AND</p> <p>The response describes how specific features of the computing tool(s) enabled the creation of an appropriate illustration, representation, or explanation of the computing innovation’s purpose, function or its effect.</p>
<p>3: Analyzing Impact of Computing</p> <p>Submission Requirement: 2c</p> <p>LO: 7.1.1.; 7.3.1; 7.4.1</p> <p>Weighted: 29%</p>	<p>The response identifies either a beneficial or a harmful effect of the computing innovation and provides a plausible explanation for the beneficial or harmful effect.</p> <p style="text-align: center;">AND</p> <p>The response includes evidence that supports the plausible explanation of the beneficial or harmful effect.</p> <p>*The beneficial or harmful effect must be a direct effect of the computing innovation.</p>	<p>The response identifies and describes a beneficial and a harmful effect of the computing innovation and provides a plausible explanation for both the beneficial and harmful effect.</p> <p style="text-align: center;">AND</p> <p>The response explains the impact of either and specifies the impact on society, economy, or culture.</p> <p style="text-align: center;">AND</p> <p>The response includes evidence that supports the plausible explanation of either the beneficial or harmful effect; OR The response includes evidence that supports the impact on society, economy, or culture.</p> <p>*The beneficial and harmful effect must be direct effects of the computing innovation.</p>	<p>The response identifies and describes a beneficial and a harmful effect of the computing innovation and provides a plausible explanation for both the beneficial and harmful effect.</p> <p style="text-align: center;">AND</p> <p>The response explains the impact of both and specifies the impact on society, economy, or culture.</p> <p style="text-align: center;">AND</p> <p>The response includes evidence that supports the plausible explanation of both the beneficial and harmful effect;</p> <p style="text-align: center;">AND</p> <p>The response includes evidence that supports the impact on society, economy, or culture.</p> <p>*The beneficial and harmful effect must be direct effects of the computing innovation.</p>
<p>4: Analyzing Data and Information</p> <p>Submission Requirement: 2d</p> <p>LO: 3.3.1</p> <p>Weighted: 24%</p>	<p>The response identifies the data used in the computing innovation.</p> <p style="text-align: center;">OR</p> <p>The response identifies a data storage, privacy, or security concern and connects it to the computing innovation.</p>	<p>The response identifies the data used in the computing innovation.</p> <p style="text-align: center;">AND</p> <p>The response describes a data storage, privacy, or security concern and connects it to the computing innovation.</p>	<p>The response identifies the data used in the computing innovation and describes how the computing innovation uses it as input, as output, or how it is transformed.</p> <p style="text-align: center;">AND</p> <p>The response provides a detailed description of a data storage, privacy, or security concern and connects it to the computing innovation.</p>
<p>5: Finding and Evaluating Information</p> <p>Submission Requirement: 2e</p> <p>LO: 7.5.2</p> <p>Weighted: 6%</p>	<p>The response provides either one or two references OR there are no citations or attributions.</p> <p style="text-align: center;">OR</p> <p>Reference information is incomplete.</p>	<p>The response provides three references that identify the author, title, source, or date.</p> <p style="text-align: center;">OR</p> <p>The response attributes and/or cites three sources within the text.</p>	<p>The response provides three complete references that identify the author, title, source, and date. All references have been cited or attributed within the text.</p>

A **computational artifact** without citation or reference for image(s), video, or music used in the creation of the computational artifact, and a **code segment(s)** written by someone else used in a program without citation or reference, are all considered plagiarized work. The work should be returned to the student to add the necessary citations or references before submitting it to College Board.