

	A. Inquiring and Analyzing	B. Developing Ideas	C. Creating the Solution	D. Evaluating	E. Communication and Collaboration
1-2	<p>The report may or may not include: A design brief that is undeveloped and is limited in describing the group's process.</p> <p>3 or less sources of information. Some research is cited in MLA format.</p> <p>Limited measurable and objective design specifications and test statements.</p>	<p>The report includes: Limited development of one design idea that basically reflect the principles of the assigned visual stimulus.</p> <p>How the group basically justified their choice of the final machine design.</p>	<p>The machine rarely functions with other groups' machines.</p> <p>The machine hardly reflects the principles of the assigned visual stimulus.</p>	<p>The report includes: A limited evaluation of how well they tested their designed specifications to achieve their goal.</p> <p>Basic changes that were made throughout the design cycle process.</p> <p>Basic descriptions of how the machine could have been improved.</p>	<p>The group: Demonstrates basic collaboration and communication skills partially throughout the week.</p> <p>Presents a disorganized report.</p>
3-4	<p>The report includes: A design brief that is less than 3 sentences and adequately describes the group's process.</p> <p>4 or less sources of information, including one non-Internet source. Most research is cited in MLA format.</p> <p>Adequate measurable and objective design specifications and test statements.</p>	<p>The report includes: Good development of two different design ideas that adequately reflect the principles of the assigned visual stimulus.</p> <p>How the group adequately justified their choice of the final machine design.</p>	<p>The machine functions adequately with other group's machines.</p> <p>The machine adequately reflects the principles of the assigned visual stimulus.</p>	<p>The report includes: An adequate evaluation of how well they tested their designed specifications to achieve their goal.</p> <p>Adequate changes that were made throughout the design cycle process.</p> <p>Adequate description of how the machine could have been improved.</p>	<p>The group: Demonstrates adequately effective collaboration and communication skills somewhat throughout the week.</p> <p>Presents an adequately organized and presentable report.</p>
5-6	<p>The report includes: A 3-sentence or less design brief that is clearly written, and describes the group's process.</p> <p>A range of 5 or less sources of information, including one non-Internet source. Most research is cited in MLA format.</p> <p>Achievable Measurable and objective design specifications and test statements.</p>	<p>The report includes: A clear development of two to three different design ideas that substantially reflect the principles of the assigned visual stimulus.</p> <p>How the group substantially justified their choice of the final machine design.</p>	<p>The machine functions substantially well with other group's machines</p> <p>The machine substantially reflects the principles of the assigned visual stimulus.</p>	<p>The report includes: A substantial evaluation of how well they tested their designed specifications to achieve their goal.</p> <p>Clear changes that were made throughout the design cycle process.</p> <p>Clear descriptions of how the machine could have been improved.</p>	<p>The group: Demonstrates somewhat effective collaboration and communication skills mostly throughout the week.</p> <p>Presents an organized and presentable report.</p>
7-8	<p>The report includes: A 3-sentence design brief that is clearly and concisely written, and accurately describes the group's process.</p> <p>A range of at least 5 sources of information, including at least one non-Internet source. All research is cited in MLA format.</p> <p>Challenging measurable and objective design specifications and test statements.</p>	<p>The report includes: A detailed development of at least three different design ideas that clearly reflect the principles of the assigned visual stimulus.</p> <p>How the group clearly justified their choice of the final machine design.</p>	<p>The machine functions seamlessly with other group's machines</p> <p>The machine clearly reflects the principles of the assigned visual stimulus.</p>	<p>The report includes: A critical evaluation of how well they tested their designed specifications to achieve their goal.</p> <p>Details of changes that were made throughout the design cycle process.</p> <p>Detailed descriptions of how the machine could have been improved.</p>	<p>The group: Demonstrates very effective collaboration and communication skills each day of the week.</p> <p>Presents an organized, clearly-written and professional-looking report.</p>