

## Project 2.4 Pull Toy Construction Rubric

Criteria	Basic	Proficient	Advanced
<b>Design Brief</b>	Design brief is 50% complete.	Design brief is 80% complete.	Design brief is completed and includes all required information, including client, designer, problem statement, design statement, constraints and deliverables.
<b>Design Process Notes</b>	Some design process notes are missing or incomplete.	The project design process notes do not explain all steps thoroughly.	The project includes a detailed step-by-step description of the design process.
<b>Research</b>	Research is randomly completed with little or no documentation of sources.	Research is documented on some topics. One or two do not have proper citation information. Research is limited to two or three resources.	Research is documented with appropriate citations. Research shows a variety of resources and is not limited to one or two sources.
<b>Design Sketches</b>	Sketches are missing more than half of the identification of the components. More than half of the heading information is not complete or is not accurate.	One or two sketches are incomplete and are missing important information, such as measurements. Some heading information is incomplete or inaccurate. All designs are unique and are completed in pencil.	Three sketches are complete and annotated to show all important information. Heading information is complete and accurate. All designs are unique and are completed in pencil.
<b>Decision Making Matrix</b>	The decision matrix criteria are incomplete. The option selected is not clearly justified using the matrix.	The decision matrix does not evaluate the required number of drawings. The student can justify the final decision.	The decision matrix is complete with all criteria listed and each drawing evaluated. The student can effectively justify the final decision.
<b>Prototypes</b>	A significant difference exists between the final product and the final design, but an attempt was made to follow the design.	A slight difference exists between the final product and the final design.	The final product exactly matches the final design.

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<b>Test and Evaluate</b>	Students test and evaluate their prototype and some modifications are completed, but changes are not documented.	Students test and evaluate their prototype, make modifications if necessary, but changes are not documented.	Students test and evaluate their prototype, make modifications if necessary, and thoroughly document changes.
<b>Teamwork</b>	The student does not always effectively listen to team members or show respect for varying opinions. The student does not always communicate ideas and opinions or engage in compromise. Student completes most of their portion of the project on time.	The student generally listens to team members, respects varying opinions, communicates ideas and opinions effectively, and engages in compromise. Student completes their portion of the project on time.	The student consistently listens to all team members, respects varying opinions, communicates ideas and opinions effectively, and engages in compromise. Student completes their portion of the project on time.