



Evaluate - Testing



Test and evaluate prototypes against the set constraints and criteria

Activity: Devise an appropriate test for your design solution. In this test make sure that you can assess at least one **criteria for success** that you set earlier in the design process.

PMI is a quick method for evaluating ideas. Write down all the positive points of your design, then all the negative. Note anything interesting, e.g. questions that need to be answered to move forward.

Test results: Does your design solution meet your criteria for success?

Plus Write down all the good points of your design e.g. 'aesthetics'



Minus Consider where your design did not perform as well as expected.



Interesting Observations that are neither plus or minus, although worth noting.

Evaluate

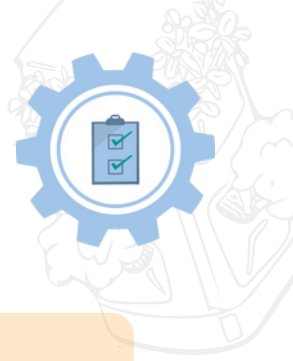


Test and evaluate prototypes against the criteria to evaluate the success of the project

Activity: Using the table below list the criteria to evaluate the success of your project that you set at the start of the design challenge. Indicate in the table if the criteria has been met and if so to what extent has it been met.

Criteria	Yes/No	Basic	Satisfactory	Good	Excellent

Activity: Based off the results of the evaluation above, please indicate if you believe that the prototype has been successful and describe why?



SWOT Analysis

Students to identify the Strengths, Weaknesses, Opportunities or Threats related to their prototype design.



Extension

Based on the responses recorded, identify two actions that could be taken to improve the prototype.



Perspectives, Pros, Cons and Questions

Students to identify key stakeholders involved in the solution and identify the pros, cons and any questions that may come to mind from their perspective.

This is an example of an extended PMI chart. Students record the positives, minuses and implications or interesting facts. Students critique ideas individually or together to form an opinion or make a decision. In this version, there is an additional column header called 'Perspectives' (or Points of View) to challenge the students to think more critically about the topic being explored.

Criteria for Success	Pros	Cons
E.g Family on the Moon	Home on the moon spaces allow for lots of recreational opportunities	Sleeping quarters quite cramped