

techthink™

a process for quality production (of products, graphics, alternatives, possibilities, systems, recommendations)

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1. Brief

- I can review and further develop my design brief



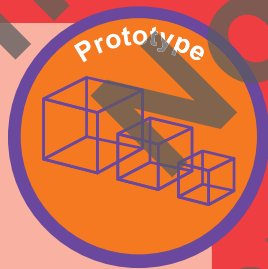
2. Ideate

- I can brainstorm many ideas that will satisfy my design brief
- I can evaluate these based on my brief
- I can select 2–3 for further development and investigation
- I can improve my designs through feedback from experts and my audience



3. Prototype

- I can engage in 3 levels of prototype design
 - Level 1 (dimensions, form, function and performance)
 - Level 2 (materials, assembly)
 - Level 3 (embellishments, colour, texture)
- I can develop a prototype of my design
- I can test my prototype
- I can make improvements



4. Produce

- I can review my design one last time to:
 - simplify (in order to make it easier to understand or use)
 - reduce and/or eliminate components, as long as quality, function and performance are not compromised (i.e. minimise the thickness of a part)
 - replace non eco-friendly materials
- I can produce my solution according to my final plan
- I can evaluate the process and set goals
- I can celebrate

