



Design Cycle Worksheet

Name: Allysha C

Grade: 7

Date: 9/12/2024

Explain and justify the need:

To write things / words more easy / comfortable

Identify and prioritise the research:

Benchmark table shapes, sizes, colours, styles, number of parts, material & heights.

Analyse existing products:

Strength & weakness: small opportunities: to change the height of it

threats: expensive



Develop a design brief:

comfortable, could change the height, rectangle, little shelf underneath: it could sleep, four legs

Develop a design specification:

rectangle shaped 100cm long, 75cm tall, 50cm width (length)

safety: the sides will be round so would not hurt. The holder should be strong enough so wood 4 tall.

Specific
Measurable
Achievable
Realistic
Testable

Customers: older than 6 yrs.

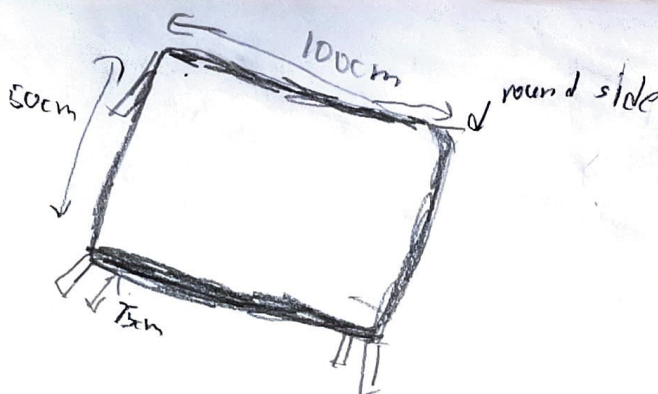
Aesthetics: The top of the table should be white and there should be black sides/layouts for style/pattern. The texture should be smooth to read/write/ do things on it so could be easily write on.

Environmental: Cost: The material cost should be around 150~200, and the selling price could be used at home. cost ~ 2 months 250. But if there's no customer, maybe the price could turn

Aesthetics	Consider appearance, style, colour, shape/form, texture, pattern, finish, layout.
Cost	Is there a maximum cost? Is this a material cost/time cost/selling cost?
Customer	Who it is for? What is the target user's age, gender, socio-economic background?
Environmental considerations	Where will the solution be used? How will the design directly or indirectly affect the environment?
Function	What it must do? What is its purpose? Where will the product be stored? How easily can it be used/maintained?

Manufacturing	What resources are available? Are there limitations as to how this can be created? How much time is needed to create the design?
Materials	What materials are available? What properties do the materials need to have?
Safety	What safety factors need to be incorporated into the design?
Size	Are there any specific sizes that need to be considered? What 'human factors' need to be considered? What anthropometric data needs to be considered?

Develop design ideas:



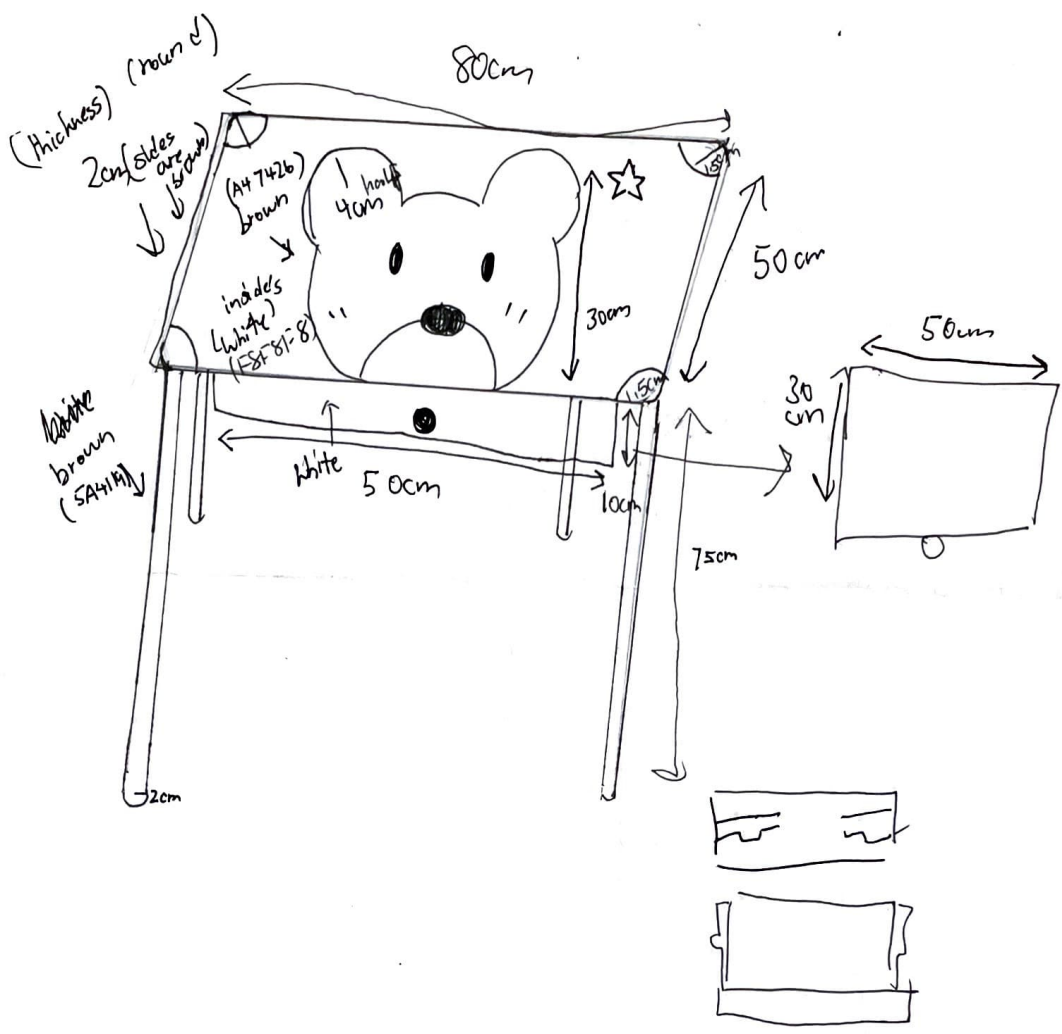
Inquiring and analysing

Developing Ideas



Name: Allyssa C	Grade: 7	Date: 4/16/2025
-----------------	----------	-----------------

Present the chosen design:



Developing Ideas

1/1