



Design Cycle Worksheet

Name: Soren

Grade: 6

Date: 9/11/2024

Explain and justify the need: To write comfortably and to put things on it.

Identify and prioritise the research:
Benchmark table shapes, size, colours, styles, number of parts, material and heights

Analyse existing products:

Design	shape	colour	Assem bly	legs	strengths	weaknesses
	□	grey	65	4	its big	hard to put together
	□	green	9	4	it looks cool	hard to fit
	□	grey	9	2	it's small	its small

Develop a design brief: ① It has to be comfortable to write on. ② You can put stuff on it. ③ To make it easier to eat on. ④ To make it easier to work on.

Develop a design specification:

Aesthetics:
cost: 50\$
Customer: 13-100 years old
for Schools
all genders

Manufacturing:
Made out of wood and plastic
four legs
Green pattern: Orange

Function: hold things and make it easier to write on.
Shops, easy.

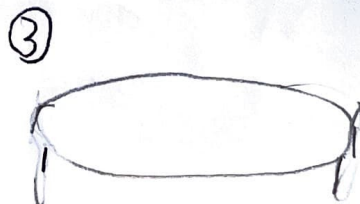
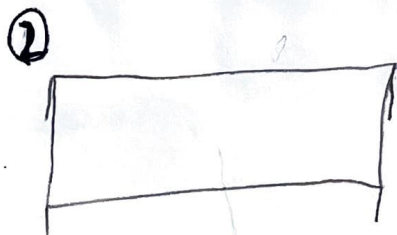
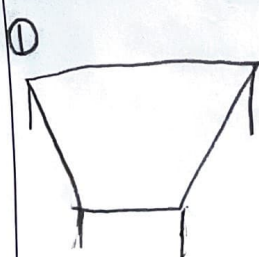
Safety: Strong legs
Size:

Specific
Measurable
Achievable
Realistic
Testable

Environmental: It can survive in the wild.

Aesthetics	Consider appearance, style, colour, shape/form, texture, pattern, finish, layout.	Manufacturing	What resources are available? Are there limitations as to how this can be created? How much time is needed to create the design?
Cost	Is there a maximum cost? Is this a material cost/time cost/selling cost?	Materials	What materials are available? What properties do the materials need to have?
Customer	Who it is for? What is the target user's age, gender, socio-economic background?	Safety	What safety factors need to be incorporated into the design?
Environmental considerations	Where will the solution be used? How will the design directly or indirectly affect the environment?	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?
Function	What it must do? What is its purpose? Where will the product be stored? How easily can it be used/maintained?		

Develop design ideas:



Inquiring and analysing

Developing Ideas

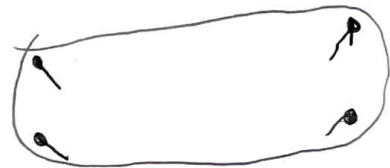
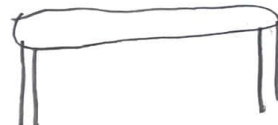
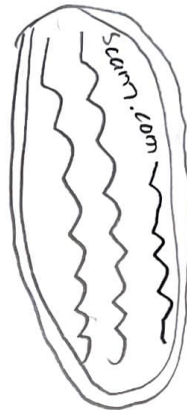
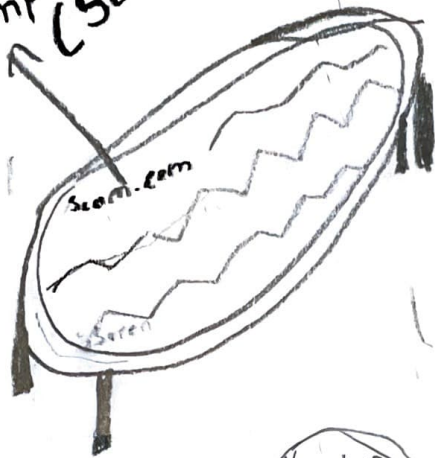
Name: *Soren*

Grade: *6*

Date:

Present the chosen design:

comp
company name (Scam.com)
 It's an oval shape.
 four legs.
 Orange 
 Base colour: Green
 height: 69cm
 width: 81cm
 legs are round
 legs height: 61cm
 legs diameter: 3cm
 The table's thickness: 2cm



up

Product

Developing Ideas