

Criterion C: plan

Time Plan

Stage 1 – Investigation
Time Allowed: 1 week

1. State the design problem and design brief.
2. Make a time plan (table or flowchart) which explains what has to be done in each stage of the design cycle and the time allowed for each stage. The time plan should observe deadlines and time constraints.
3. Research green design and clean technology.
4. Relate the project to the MYP areas of interaction.
5. State the potential significance of the lighting unit I am going to create.
6. Study different cases of similar products and evaluate each one.
7. Collect information about commonly recycled materials.
8. Evaluate each resource and criticize the information that I have collected.
9. List all the sources of information which I have used.

Down
1 Remain (4)
2 Sleeping

Arrogance (6)
26 Choice (6)
27 Watery part of milk (4)

Prime TV crime series starring Helen Mirren (7)
41 Small dog originally

Story outline (4)
53 Heavy frown (6)
54 Hostile attack (4)
57 Animal with a trunk (8)

Unimportant person (6)
72 See 77 Down (6)
74 Light, quick meal (5)
75 Red 74 Down Stars

Stage 2 – Designing and Planning

Time Allowed: 2 weeks

1. Write an initial list of essential and desirable design specifications.
2. Come up with at 4-6 ideas in the form of free hand sketches based on the design specifications.
3. Evaluate each idea against the design specifications.
4. Choose one idea and develop it.
5. Modify the list of specifications to make them applicable for the chosen idea.
6. Produce neat 2D (orthographic) and 3D drawings of the final idea. Use T-square and triangles.
7. produce a parts list (includes all the needed parts, the material they are made from, their sizes and number of parts needed).
8. Plan an illustrated table or flowchart that clearly explains the steps of work for creating the product (production plan).

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Leo 24 Jul to 23 Aug

Virgo 24 Aug to 23 Sep

Libra 24 Sep to 23 Oct

Stage 3 – Creation

Time Allowed: 2 weeks

1. Follow the steps of the production plan to create the product.
2. Write an entry in the journal after each session, describing what was done, materials used and why, names of equipment/machinery used, difficulties and challenges faced, as well as a justification of any changes made to the plan.

bin stuff that hasn't been touched for years. Friends and family plan to give you a good time for your birthday, so don't let them down. What matters is your i start a cash – so take for what work to improve the

Wednesday

Thursday

Stage 4 – Evaluation

Time Allowed: 1 day

1. Test the product to make sure it works.
2. Compare the final product with the design specifications to make sure it fulfills them all.
3. Justify any changes made to the original design.
4. Assess the social significance of the product and decide what it can be best used for.
5. Evaluate the planning process and its efficiency, then evaluate the actual process of creation.
6. Evaluate the product in terms of its appearance as well as its quality and effectiveness.
7. Suggest further improvements to make my product better.
8. Self-assess myself based on my performance in all the four stages of the design cycle.
9. Mention what I liked about this project and what I disliked about it. Include briefly the difficulties I faced and the things I found easy.
10. Organize all the work I have done (investigation, planning and evaluation reports, as well as the process journal) into a presentable portfolio so that I can submit it to Ms. [redacted] along with my product.

BEAT-THE-CHILL SUPPER
Mediterranean pork
1 lean medium pork steak

chopped. Serve on 1 wholemeal bap. ■ Wedge of melon

Modified design specifications

ESSENTIAL CRITERIA - the product must:

- Take into account the fundamentals and strategies of green design and clean technology.
- Provide sufficient light for reading.
- Be battery operated.
- Have a switch.
- Be made using machinery and equipment available in the DT department.
- Be possible for me to make on my own.
- Be possible to make within 2 weeks.
- Be aesthetically pleasing and attractive to look at.
- Have a replaceable battery.
- Not be too big so that it fits on a side table in the sitting room

New Miller Pud

Key:

- points added
- Points omitted

DESIRABLE CRITERIA - I would like the product to:

- Be made in no more than 4 hours of work.
- Have an unconventional and original design.
- Reflect my personal likes and preferences, such as Japanese/oriental styles.
- Be waterproof.
- I would like the battery and wiring to be concealed.

PARTS LIST

PART	MATERIAL	SIZE	QUANTITY
Bamboo stick	Bamboo	50 cm long	1
Cubes	Tracing paper	10 X 10 X 10 cm	3
Base	Tracing paper	10 X 10 X 4 cm	1
Base weight	Scrap wood	10 X 10 cm	1
Battery (9 volts)	-	-	1
Light bulbs	-	Medium	3
Push-switch	-	-	1
Wires	Insulated copper	Long	5

PRODUCTION PLAN

