



Pearson

Entry Level Certificate

Design and Technology (8911):

Resistant Materials

Level 3 - exemplar material

Product Analysis

I will choose the most promising product and look at it in some detail. This will help me understand as much as I can about the product.



★ ① The table I have picked

★ is made from wood.

★ ② ASSEMBLY - The table is made

★ person.

★ ③ Cost - The table would cost

★ ④ RECLUSED - The table could be used

★ as a in - for a chair or other things.

★

Conclusion

I have learnt that: CONCLUSION
 The product is perfect but in some ways
 like it looks easy to make and it
 will hold my X-6 wood and some.

Name:

Candidate No:

Research:

I am going to look at existing products. This will help me to evaluate them and help me meet the needs of the design brief.

I like the shape of this table, it has two sides and a top, and it is white with a bit of brown.



This has a draw, it has a 4 legs, it has a shelf, it is brown, and I like the top.



It is brown in colour. It has a shelf. It is made from wood.



This is too grey, it has a shelf and 4 legs



It has 4 legs, it has rails on it, it is made from wood.

Name:

Tutor Group:

BRIEF

ANALYSIS

RESEARCH

SPECIFICATION

IDEAS

DEVELOPMENT

FINAL IEDA

PLAN OF MAKING

EVALUATION

Design Specification:

I am going to list some features that I consider will make my product successful when it has been made.

FORM

My product will be rectangular shaped so it will fit into my bedroom.

MATERIALS

The table I have product to store my x box and games.

USER REQUIREMENTS

My table will be brown with a shelf for storage and its shape means it can be stored anywhere.

COST

My table will cost up to £20-00 so most people can afford to buy it.

ENVIROMENT

My product can be recycled and use for other thing.

MANUFACTURE

I will use a saw, chisel, hammer, sander, drill to make my product.

SAFETY

I will wear safety goggles. My product will be safe to use.

Name:

e No:

Candidate No:

Specification No:

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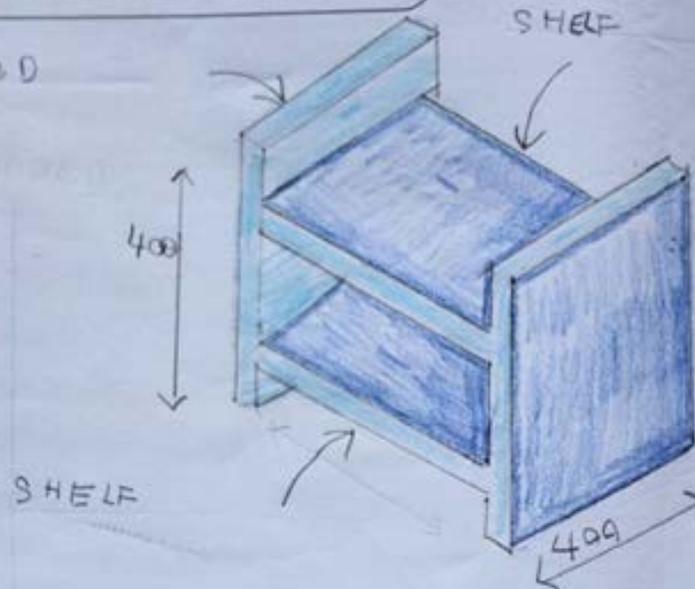
PLAN OF MAKING

EVALUATION

Ideas:

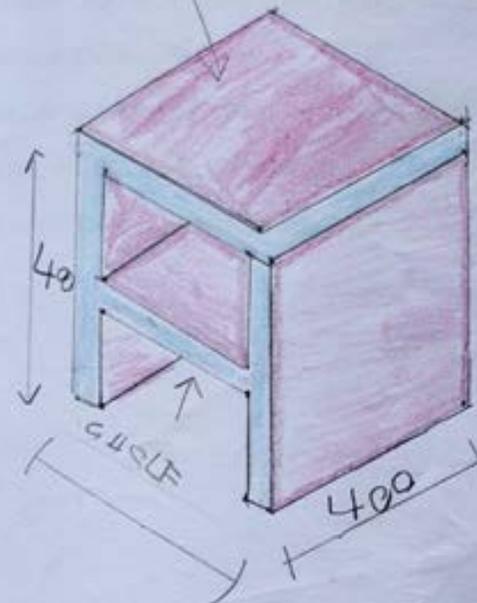
I am going to present a range of imaginative and creative initial design ideas that are imaginative, realistic, workable and detailed.

WOOD



Idea B is the design I have picked to make. It will be more compact and will fit just about anywhere in my room, it has a shelf that I can store my games and games stationon.my design is more square and I would like to make design out of soft wood and the colour will be brown.

WOOD



These are my 2 final ideas, I like idea A because it is more open and it has more space to store my things on it.this design will be made from soft wood.

Name:

[Redacted Name]

Centre No:

Candidate No:

Specification N:

Review of Idea/s:
 I will review my initial ideas against each other and my design specification with a view to developing my chosen ideas further.

My first idea I chose is oblong shaped it has more room and will sit in most rooms.

I chose to use hard wood on my first idea.

This table has more storage because it has an extra shelf.

My table will cost £30 to £40

This product can be recycled and used for other things.

I will use a saw, chisel, sander, and other tools to make my product.

I will need to wear safety goggles for safety.

My second idea I chose is oblong shaped it has more room and will sit in most rooms.

I chose to use hard wood on my second idea and chose this for my finale design.

This table has less storage because it has an only one shelf.

My table will cost £25 to £30

This product can be recycled and used for other things.

I will use a saw, chisel, sander, drill and other tools to make my product.

I will need to wear safety goggles for safety and my product will be safe to use.

Name:

Centre No:

Candidate No:

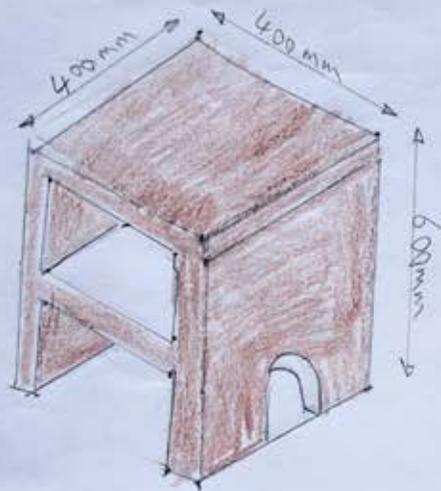
Specification No:



Development:

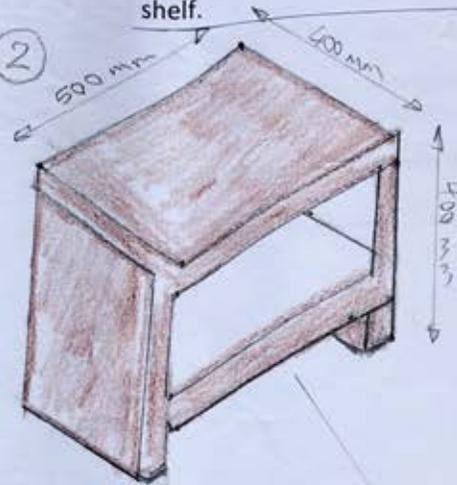
I am going to develop my chosen idea/s so that they look significantly different and improved. This may include using CAD to model the idea/s or make a model and test aspects of it.

①



i have changed my first Idea by adding a small detail to the side and cutting a piece out and added legs.

②



I have made my design more oblong so it looks longer and it has a shelf.

③

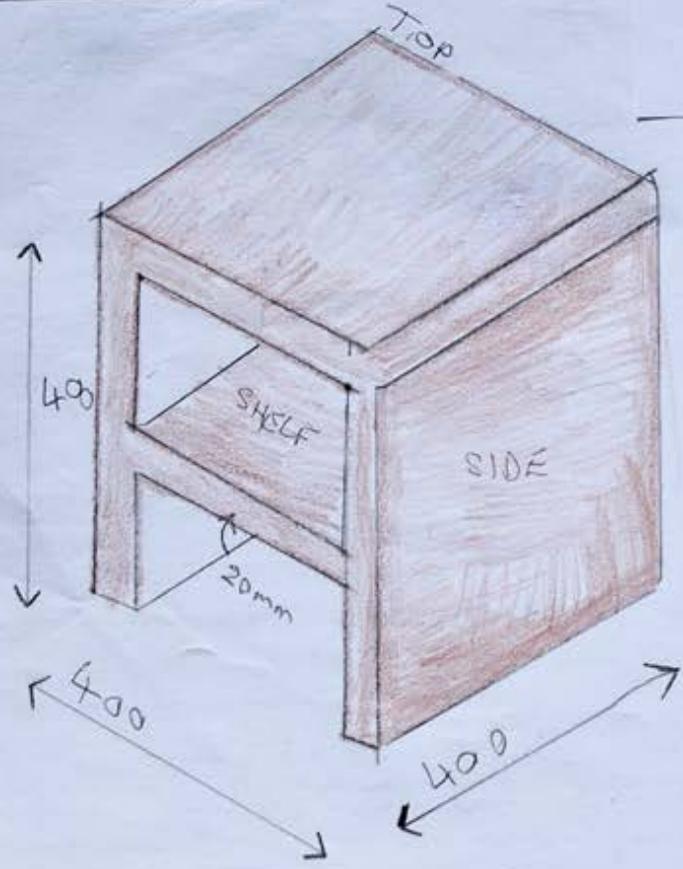


On my final design I have put curved sides on it and It also has legs and a shelf.

Final Idea:
I will now present a final design proposal in a style and format which communicates my design intentions. This will include technical details such as materials, processes, sizes, finishes, and components needed to make the product.

Final design

This is my final design. I have chosen this design because I like the shape of it. It is a simple shape, so it should be easy to make. It will fit in with most of my specification points.
The material I will use will be softwood because it is easy to work with and has a nice colour.
It should not cost more than £20 to make and the wood could be recycled later.



Centre No: Candidate No: Specification No:

Plan for Making:

I will now produce a detailed plan which considers the stages for making the product. I will also state within the plan the stages in which quality control measures should take place.

TASKS / WEEKS	1	2	3	4	5	6	7	8	9	10
GET THE MATERIALS	█									
CHECK THE MATERIALS	█									
MEASURE THE MATERIALS	█									
CUT THE JOINTS		█	█							
MAKE THE JOINTS		█	█							
ASSEMBLE THE PARTS				█						
PARTS AND TEST				█						
CUT THE SHAPES					█					
SAW THE PARTS OFF						█				
SPLIT THE WOOD							█	█		
WISH ENJOYABLE									█	█

Risk Assessment Table

Machine/Tool	Hazards identified	Risk	Control Measures
SANDBLASTER		WETS FINGERS	KEEP AWAY FROM THE WET
DRILL		CUT FINGERS	WEAR GLOVES
SAND		WET FINGERS	WEAR GLOVES

Parts List

Part	Amount	Material	Length	Width	Thickness	Notes
TOP	1	S. WOOD	400	400	20	
SIDE	2	S. WOOD	400	400	20	
SHLF	1	S. WOOD	300	400	20	

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Manufacturing:

I will now show the stages for making the product. I will also state within the stages the quality control and safety measures I applied during making.



I am checking my materials.



Sawing in the sides down.



marking out my work



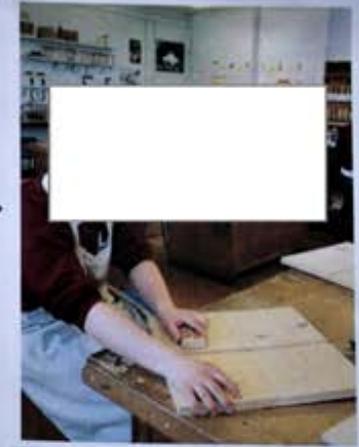
PUTTING THE SIDE ON.



I am making the joints in the wood



drilling the holes for the dowels



sawing the top down



sawing the dowels down

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The finished product/ Testing and Evaluation:
This is my finished product. I will now carry out a range of tests to check the performance and quality of the finished product. I will then evaluate the product objectively against the design specification, user groups feedback and sustainability issues.



My design is just right for the job I want it for.

I think my design looks quite modern.

The materials I used work well for my product.

My product meets my needs and is just the right size for my things.

My product would cost £25 to £30 to buy.

I just had to alter the shelf because it didn't fit properly.

Yes my product can be recycled because it is made from wood.

Yes I think my product is very safe to use.

If I was to change my product I would add another shelf.



Focus-area: (please circle)

Resistant
Materials
Technology

Graphic
Products

Textiles
Technology

Food
Technology

Electronic
Products

Edexcel task:

DESIGN AND MAKE A STORAGE SYSTEM
Edexcel set task and brief

Photographic Evidence:



one photograph clearly showing

one of this booklet for
quality of photographs supplied
see the quality of the
photographs where necessary.

photographs supplied. (Please include more

photographs. All photographs must NOT be digitally

