

Website Exemplar

GCE D&T Graphics Product.

Unit: 6GR01

Topic: Baked Beans Packaging.

Portfolio of Creative Skills

Packaging Product Analysis- Baked Bean |







The packaging must inform the consumer of all legal requirements such as ingredients and barcode



Form- It must be a cylindrical shape with a flat top and bottom so that is easy to stack, store and maximise transporting potential.

and hold correct weight of beans otherwise it wil The tin must be no bigger than 100mmx150mm not fulfil its purpose

The container must have a barcode on it so it can be used in conjunction with an EPOS system

Function- The tin must hold the contents without damaging it as otherwise the consumer will not be content with the product.

It must use the correct colours so the customer can associate the brand with the product and attract their eye and increase the likelihood of them buying it.

Jser Requirement. The tin must have an easy to open system so the user can access the contents easily

It must be safe to dispose the tin after use so it does not harm anyone who handles it e.g. disposal agencies.

The tin must be a shape that is easy to stack so the maximum can be stored by wholesalers and retailers etc.

Performance Requirement-The tin must hold the contents effectively so it will not get The tin must be able to be dropped 50 times without braking so it can withstand contaminated by foreign material

Materials- The materials it is made out of must be recyclable because of green, environmental transportation.

concerns of the company

The container must be made out of tinplated steel so the content does not corrode the container.

The material should be durable so it can be transported without being damaged

Components- It must have a ring pull so the product is easily accessible and can be opened with ease.

Scale of production-The tin must be suitable for mass production as the product is of high demand.

The tin must be a standard component as this will reduce costs.

Costs. The tin must be made with as little waste both physical and financial so that the costs of The paper used for the label must be able to be used in lithographic printing process so that it can be massed produced.

The tin must be a standard component as this means they can be bought in bulk further manufacture are kept as low as possible.

educing the cost.

unspecified amount which can lead to waste. Another difference is the materials one is tin and the other is LDPE meaning they both have very different properties however both are recyclable. The two products also have different target markets, the 'snap pots' are great for elderly people who live on their own or university students who don't have a fridge and need their own food portions, however the tin can is better for families who will eat a whole can between them rather than Similarities and differences- The main differences between the two products is that the 'Snap Pots' are individual portions whereas the traditional Tin Can is an ndividual portions.



Baked Beans Snap Pol

Each individual pot must be able to hold 1 portion of beans and be no bigger than 100mmx100mm as this will make sure Form. The shape of the pot must be suitable to stack, store and maximise transporting potential.

The container must have a barcode on it so it can be used in conjunction with an EPOS system the pot is of a suitable size

Function. It must use the correct colours so the customer can associate the brand with the product and attract their eye and increase the likelihood of them buying it.

The packaging must inform the consumer of all legal requirements such as ingredients and barcode User Requirement- the individual pots must be able to 'snap' away from the main body because each pot must be able to be heated on its own.

-It must be safe to dispose the tin after use so it does not harm anyone who handles it e.g. The pot must be able to open easily so the consumer can use the product with ease.

The tin must be a shape that is easy to stack so the maximum can be stored by wholesalers and retailers etc.

Performance Requirement- each pot must be able to break along the perforated edge without damaging the rest of the pots or remaining products because if the remaining products are damaged they will not be able to be used as effectively

Materials. The materials it is made out of must be recyclable because of green

environmental concerns of the company

The container must be made out of polypropylene so the content does not corrode the container.

The material should be durable so it can be transported without being damaged. Components - The pot must have a film lid that keeps the contents of the pot fresh and uncontaminated scale of production. The pot must be suitable for mass production as the product is of high demand. The pot must be a standard component as this will reduce costs.

The card used for the label must be able to be used in lithographic printing process so that it can be massed produced.

Costs- The pot must be made with as little waste both physical and financial so that the costs of nanufacture are kept as low as possible.

The pot must be a standard size as this means they can be bought in bulk further reducing the



Alternative Materials	Aluminium would be an alternative it is lighter and easier to form and is also recyclable. However it is more expensive than steel of the same strength and is not as strong.	PET Label is an alternative to high quality coated paper; it has a higher quality finish as it is glossy. This would make the logo look better and make the brand seem more
Environmental Issues	The disposal of the chemicals used in the process of making the composite material will need to be disposed of in a safe way. The two materials will also needed to be transported to the same place to be combined this will have environmental concerns because of the miles covered. Also the production of the material uses a lot of energy that also contributes to the amount of pollution in the atmosphere.	If not made from a sustainable forestry source it can be bad for the environment because it is causing deforestation. Solvent inks are toxic thus making the disposal of waste disposal dangerous. High energy is needed to produce the label meaning large amounts of fuel are being used to produce them.
Disadvantages	 Hard to form meaning more energy is needed thus spending more money on production overall. Hard to form because of the makeup of the material. Non-renewable resource meaning it is not a sustainable material to make the product. Steel will corrode meaning extra materials have to be added such as a lacquer or polymer lining making the overall production more costly. 	- Has a low tensile strength this makes it easy to rip however with my product this should not be too much of a problem Paper is an additional material rather than just printing straight onto the tin however I gives the product a better quality feel - Higher set up cost because of the machines needed to produce the label and the inks needed Coated paper is not water proof therefore if it got wet it the label would be ruined.
Advantages	 This material is recyclable making the packaging more sustainable Tin plated steel can be painted or printed on using different type of inks and lacquers meaning there is not necessarily a need for a label. It is corrosion resistant meaning the contents of the tin will not react with the container. It is easy to form into shape and is strong so can be dropped and transported without being easily damaged Cheap to produce in large quantities Can be heat treated, suitable for sterile products, can be sealed airtight 	- This material is recyclable making the packaging more sustainable Lightweight material meaning the overall product does not weigh more than necessary - Can be printed on meaning it is suitable for use in offset lithography Renewable resource making the product more sustainable - High quality finish if used with the correct inks and printing process meaning the image of the brand looks better - Relatively inexpensive meaning the unit cost of each product is lowered and as the product is an item that is commonly used this is best
Material Chosen	Steel Steel	Coated Paper
Component	Tin	HEINZ HEINZ HEINZ BAKED BEANS







Manufacture	Alternative Processes	Two part can, this is a quicker production method that requires less energy however the set up costs for changing the process to two part can are high.	Flexography is an alternative process however it is not as high quality as lithography. Flexography cannot reproduce the detail in the photography because of the limited colours therefore will reduce the overall quality of the brand	
Manu	Environmental Issues	metal is a recyclable material that is designed to be recycled and is 100%. recyclable. Tin cans are made from metal produced with more than 50% recycled material. It takes a long time to degrade so it is used to make new material rather than creating more virgin material. However if people to do recycled the tins and send them to land fill this will cause issues as they will not break down.	Inks can be harmful to the environment because they are toxic and the chemicals used on the cylinders can also be harmful to the environment. Also the waste from the printers can be damaging to the environment if it is not dealt with property.	
	Disadvantages	This method requires lots of energy and pressure for the many stages of the process this means it is costly and harmful to the environment because of the release of green house gases. The Three Part Can process is a longer more involved process which increase the cost and time needed to produce a single unit. To set up the machinery and equipment needed has a high set up costs and needs high capital to initially invest in.	There can be colour variation due to water and ink mixture and this can lower the overall quality. Paper can stretch due to dampening and this can affect the overall outcome Set up costs make it uneconomic on short runs Can only be used on flat materials so cannot print directly onto the cans. Requires a good-quality surface so more expensive paper has to be used. It has high set up costs particularly for long runs Plate quality can degrade over time and there are expensive to replace.	
	Advantages	or This method is repeatable so can produce many tins at the same time to the dimensions and requirements. Standard components are produced in this method meaning the cost is lower because lots of companies can use them for whatever they want. • Waste material created in production is recycled to be reused in the next batch of tin production is recycled to be reused in the next batch of tin cans. • This method has been used many times and is proven to work this reduces the risk of problems during production. • Lay-planning can be used to minimise waste and maximise production per unit.	Good reproduction quality Inexpensive printing process meaning the high volume of labels needing to be printed will have a low unit cost. Able to print on a wide range of papers High printing speeds means large quantities of labels can be produced in a smaller amount of time. Widely available meaning it is accessible to the manufacturers.	nu ster
	Manufacturing Process	large coils. Steel strip is cut into large sheets. Lacquer is applied to the side of the sheets that will become the internal surfaces of the finished cans. This special lacquer is to protect the can itself from corrosion and from any possibility of interaction between the contents and the metal. The lacquered sheets are dried in an oven. The large sheets are slit into small sheets, one for each can body. Each small sheet is rolled into a cylinder. The cylinder edges are welded by squeezing them together whilst passing an electric current through them. This heats up the metal sufficiently for a sound joint to be made. The inside surface of the weld is sprayed with lacquer and then cured by blowing heated air on to the outside of the cans. The cans are passed through a flanger where the top and bottom of the can are flanged outwards to accept the ends. Plain ends are seamed to the can bodies to close one end of every can. The cans are passed through a beader where the walls of the can bayed strength. Every can is tested at each stage of manufacture. At the final stage they pass through a pressure tester, which automatically rejects any cans with pinholes or fractures. The finished can bodies are with purhors or fractures. The finished can bodies are with prinnelse of the warehouse to be automatically palletised before despatch to the filling plant.	The offset lithographic process works by first transferring an image photographically to thin metal, paper, or plastic printing plates. Unlike other forms of printing, in offset lithography the image on the printing plate is not recessed or raised. Rollers apply oil-based ink and water to the plates. Since oil and water don't mix, the oil-based ink won't adhere to the non-image areas. Only the inked image portion is then transferred to a rubber blanket (cylinder) that then transfers the image onto the paper as it passes between it and another cylinder beneath the paper.	
	Component	Tin- Three Part Can	HEINZ) HEINZ BAKED BEANS BEANS	SIM
2000	~~			

Quality Standards:

These are the main quality standards which would be applied to my tin can and paper label

BS EN 15136:2006

Materials and articles in contact with foodstuffs. Certain epoxy derivatives subject to limitation. Determination of BADGE, BFDGE and their hydroxy and chlorinated derivatives in food simulants

This would ensure that the materials the can is made out of do not react with or contaminated the food.

BS EN 10333:2005

Steel for packaging. Flat steel products intended for use in contact with foodstuffs, products or beverages for human and animal consumption. Tin coated steel (tinplate)

This would ensure that the material is suitable for use with the food contents.

BS 4277:1968

Glossary of terms used in offset lithographic printing

Copy preparation, photographic and associated copy actions including colour separation, plates and platemaking, printing and machines and equipment.

This would ensure that the technician or engineer would know how to use the Offset Lithography Printing machine.

BS ISO 12636:1998

Graphic technology. Blankets for offset printing Offset lithography, Printing equipment, Printing, Blankets, Dimensions, Dimensional measurement, Thickness measurement, Elongation, Tensile strength, Mechanical testing, Dimensional changes, Marking, Tensile testing, Compression testing, Test equipment, Conversion (units of measurement), Ordering, Labels

This would ensure that the blanket cylinders for offset lithography would be correctly tested to the highest standards.

Quality Control: what, how, why?

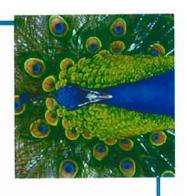
These are the main quality control checks and tests which would be applied during the manufacture of my tin can and paper label

Preparation	 The machinery is inspected for faults such as scratches using a visual check performed by an expert engineer The cylinders are visually checked by an expert engineer for any defaults that may affect the outcome of the print
Raw Materials	The sheet metal is tested by radiation to make sure it is the correct thickness to be used in machines The coated paper is delivered and visually checked for any defects e.g. tom paper, damaged corners, that may jam the printer
Manufacture 1.	 The sheet metal is tested by radiation to make sure it is the correct thickness to be used in machines The coated paper is delivered and visually checked for any defects e.g. torn paper, damaged corners, that may jam the printer
Assembly	The weld in the tin is checked with radiation to check it is secure and will not leak The label is checked to make sure the printing is aligned.
Final	Sampling is used to check the correct volumes are achieved by filling with a liquid and measuring to see if the needed quantity fits. Tin cans are tested to destruction to ensure they will not break whilst in use.
After sales	 Samples are requested from retailers and feedback is requested so the company can improve any problems they have not noticed.

Quality Assurance:

developing a Quality Manual which defines the best way of doing systems are established and monitored. For example supervisors every part of a company and in every stage of manufacture from manufacture that demonstrate that all the steps required by the risk of their quality. A system is available for recalling any batch can will always be the highest quality it can be. Instructions and Management (TQM) is an approach to management, which seeks designing a product to obtaining feedback from customers. It is defined procedures and instructions were in fact taken and that accessible form. The distribution of the products minimizes any This is an overall approach adopted by a company to ensure that specification. Manufacturing processes are controlled, and any changed to the process are evaluated. This means that the tin nanufacture and distribution that enable the complete history Quality assurance during manufacture: manufacture processes investigated and appropriate measures are taken with respect will check each process is completed correctly and the can is Operators are trained to carry out and document procedures. of a batch to be traced are retained in a comprehensible and lifestyle of a product. This will eventually assure the tin can organisation and suppliers. Every activity within a company; are clearly defined and controlled. All critical processes are of products from sale or supply. Complaints about marketed to establish the highest possible standards of quality within things and which can be followed by all staff. Total Quality standards, procedures, documentation and communication procedures are written in clear and unambiguous language. being the best it can possibly be every time it is produced. products are examined, the causes of quality defects are committed to continuous improvement for the complete the quantity and quality of the product was as expected. Deviations are investigated and documented. Records of meeting quality control standards. This usually involves Records are made, manually or by instruments, during high quality standards are maintained throughout the validated to ensure consistence and compliance with to the defective products and to prevent recurrence.





Product Design-Perfume Bottle & Packaging Unit 2





natural forms and if possible should represent the fragrance. It must attract the female market aged 14-26 years old so must therefore be vibrant, fashionable and so it stands out against other products similar to it. The product must also be suitable for mass production as the I have been asked to design a perfume bottle and it's packaging for a new cosmetics company. The perfume must be have a theme of product will distributed across the country to many different departments stores.

Jme Bottle



 The bottle must be ergonomically comfortable for the user to apply sound so it is easy to hold and

spray system so the fragrance can be The bottle must have an atomiser released in a mess free way.

200mm x 200mm as this will make the product too bulky for the consumer to The bottle must be no bigger than

Function

 The bottle must be inspired by natural forms as this if the theme for the product

The bottle must have some form of identification on it e.g an embossed image on the bottle so the make and brand is recognisable.

otherwise it will be come too expensive for the target market to The bottle must not cost any more than £5 per unit to produce ourchase.

Scale of production

 The bottle must be design to be mass produced as this will reduce the cost to the consumer

Performance Requirements

- The atomiser system must be able to last at least 1000 sprits.
 - The materials used in the bottle must be hard wearing and durable so they do not break in use.

Jser requirements

The bottle must dispense the correct amount of perfume per sprits as to make the perfume last longer



- dynamic as to make it more The packaging must be interesting
- The box must be a design that as to maximise the amount of is easy to store and transport units that can be transported hus reducing costs.

Function

- The colours of the bottle and the packaging must correspond as to The packaging must catch the consumer's eye as this will make them more likely to buy the product
 - The packaging must cost under £1 per unit to product otherwise it make the overall image of the perfume smart and sophisticated
 - will make the product to expensive

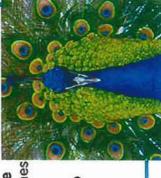
Scale of production

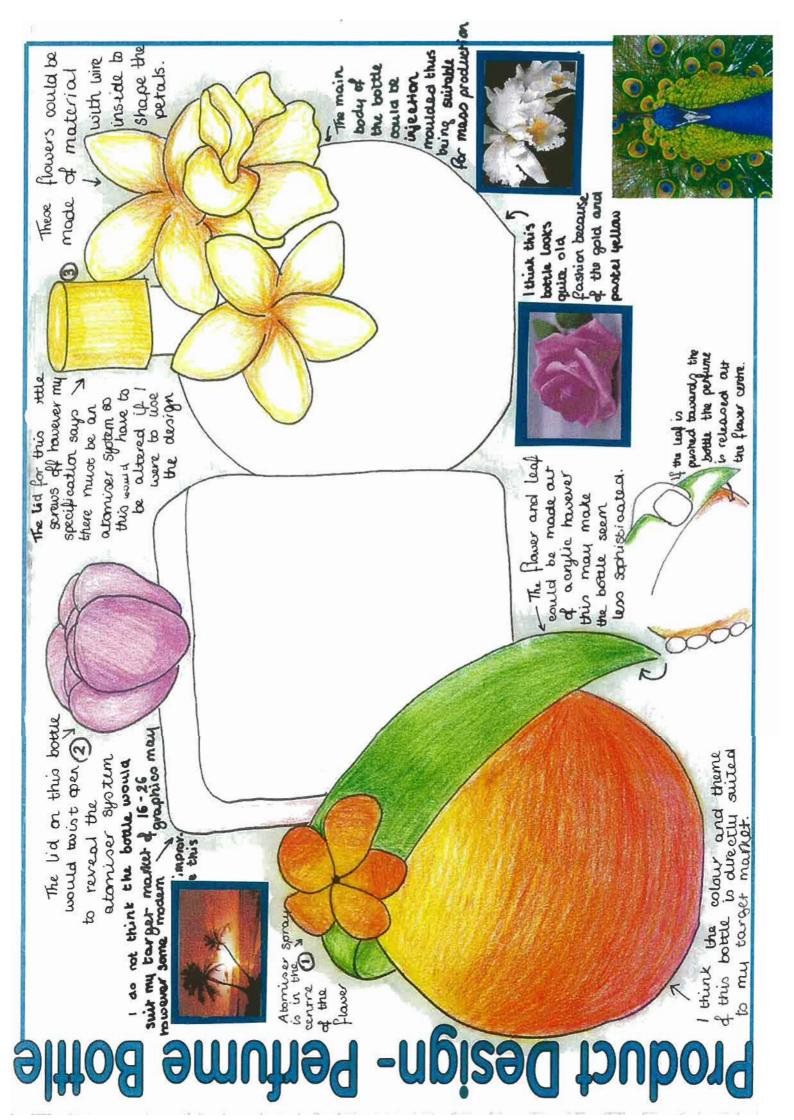
 The packaging must be suitable for mass production as a high so the product is not damaged when it reaches The box must support and protect the bottle quaintly of units will need to be produced Performance Requirements

Jser requirements

the user.

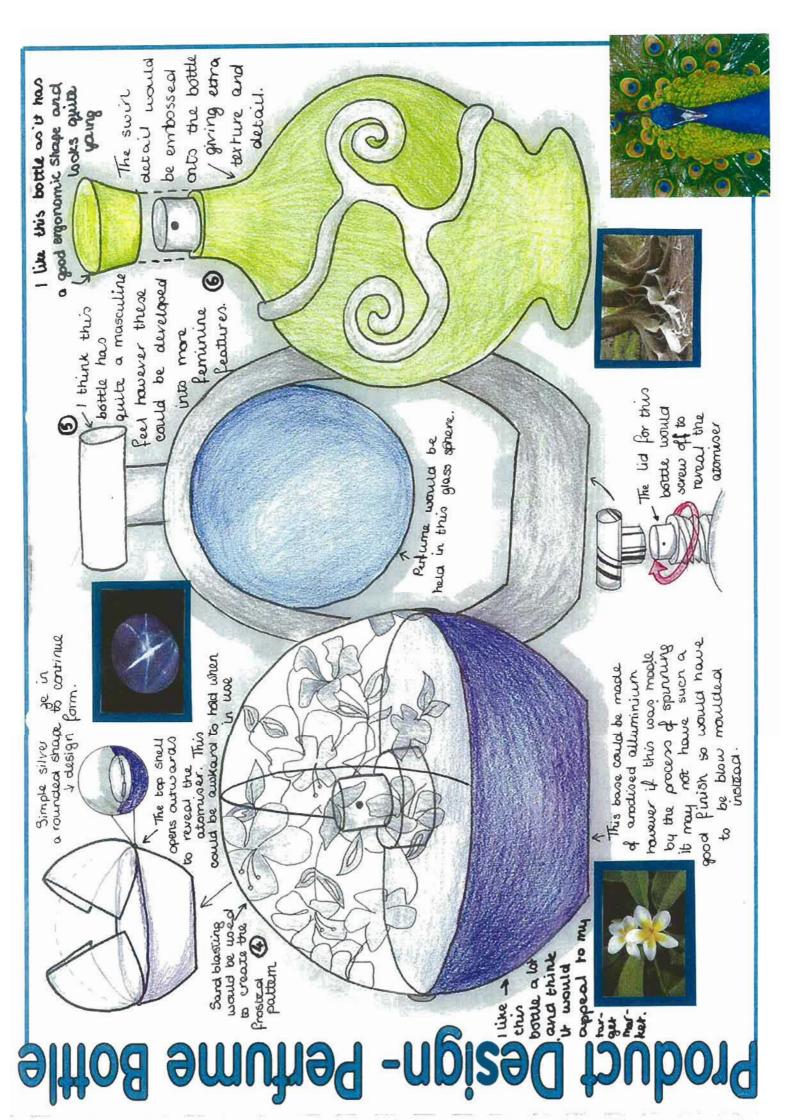
 The packaging must be easy to open as so the product can be accessed easily



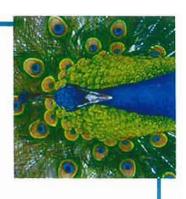


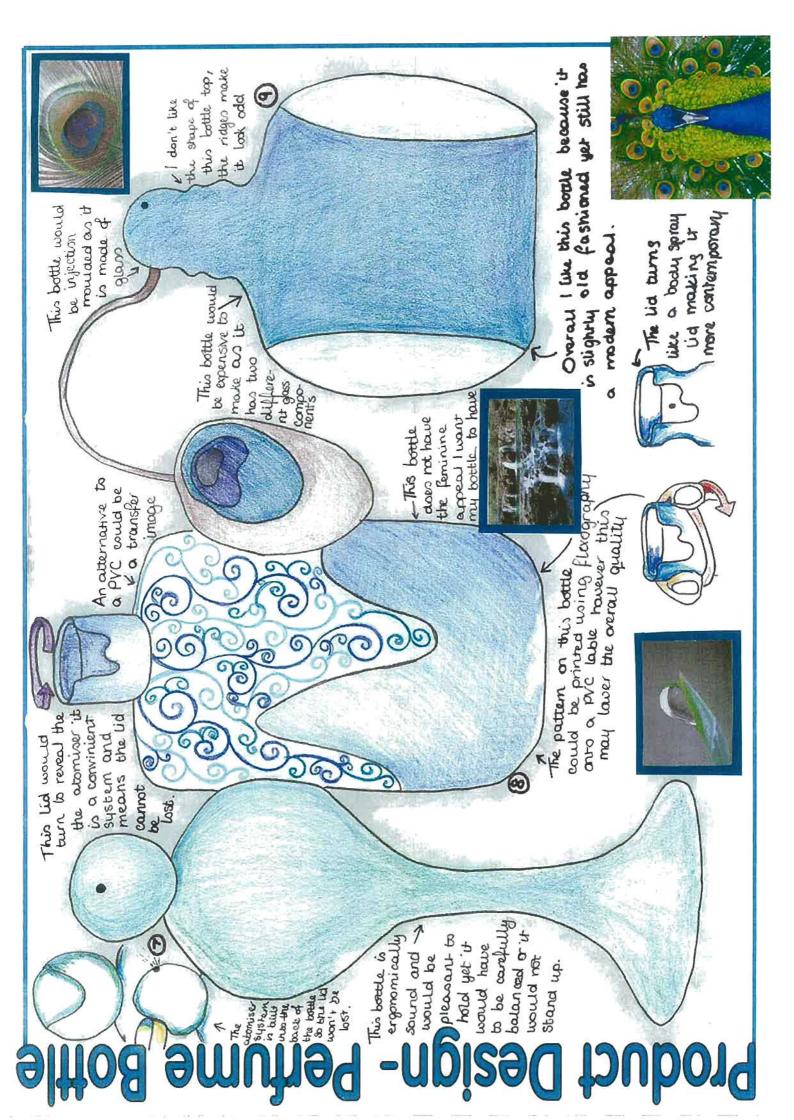
Justification & Explanation	The spherical shape of the bottle makes it easier for the user to hold also the way the atomiser is shaped it makes it easier to spray. The bottle is very much inspired by natural forms as the colour is used to represent a tropical sunset and the flower finishes off the design. The colour and design makes the bottle identifiable with the possible brand and leaves space for a logo and graphics.	This bottle is quite plain and old fashioned hence the low score. The square shape means it is difficult to hold and would need to be remodelled into a more curved shape to make it more ergonomic. The design would need some interesting graphics to make it a more viable design. The bottle could be mass produced however the rose component would need more components to create.	I really like this design concept however it does now have an atomiser spray which immediately lets it down. The pastel yellow shade of the bottle makes it seem as though aimed towards an older market, if I were to adjust to my target market I would use more vibrant tones.
Total	40 /50	30/50	29/50
The bottle must be suitable for mass production	8/10	8/10	8/10
The bottle must have some form of identification with the brand on it	7/10	5/10	7/10
The bottle must be inspired by natural form	8/10	6/10	8/10
The bottle must have an atomiser system	8/10	7/10	01/0
The bottle must be ergonomic sound	9/10	4/10	6/10
Design	-	2	က





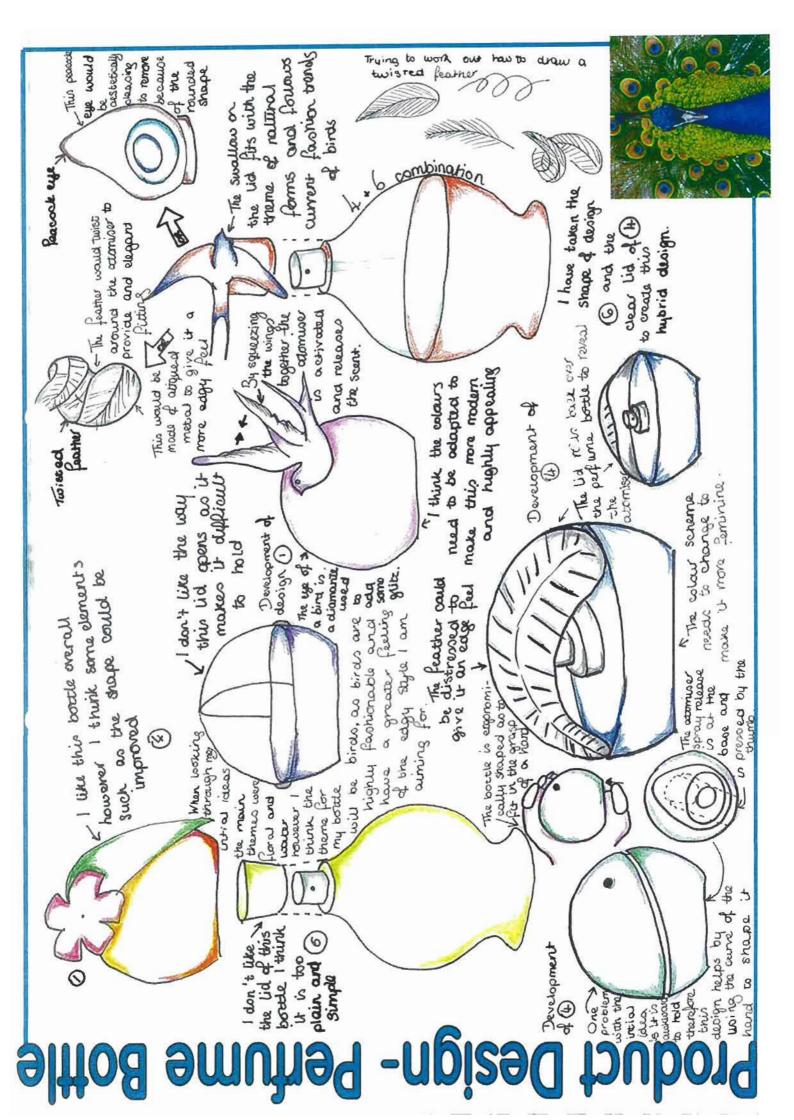
Justification & Explanation	I really like this bottle as it is very sophisticated however the ergonomics of the design let it down. The bottle lid opens into two halves and this makes it awkward to hold this would have to be changed if I were to chose this design to take further. The bottle has an atomiser spray however it is very basic this could be changed to something more interesting. The link with natural forms is created by the floral pattern engraved on the lid.	This bottle is probably the most masculine design as it is very grey making it look very industrial. If I were going to carry this design through I would have to find a way to make it more feminine. Overall I don't like this design.	This is one of my favourite bottles I love the shape as it would fit nicely into someone's hand. It is also easy to adapt to the brand of my perfume as it has space for graphics or a different embossed image. The bottle is suitable for mass production as it would be injection moulded or blow moulded.
Total	38/50	28/50	41/50
The bottle must be sultable for mass production	7/10	01/9	9/10
The bottle must have some form of identification with the brand on it	8/10	5/10	01/2
The bottle must be inspired by natural form	9/10	5/10	8/10
The bottle must have an atomiser system	8/10	7/10	8/10
The bottle must be ergonomic sound	01/9	5/10	9/10
Design	4	r,	9

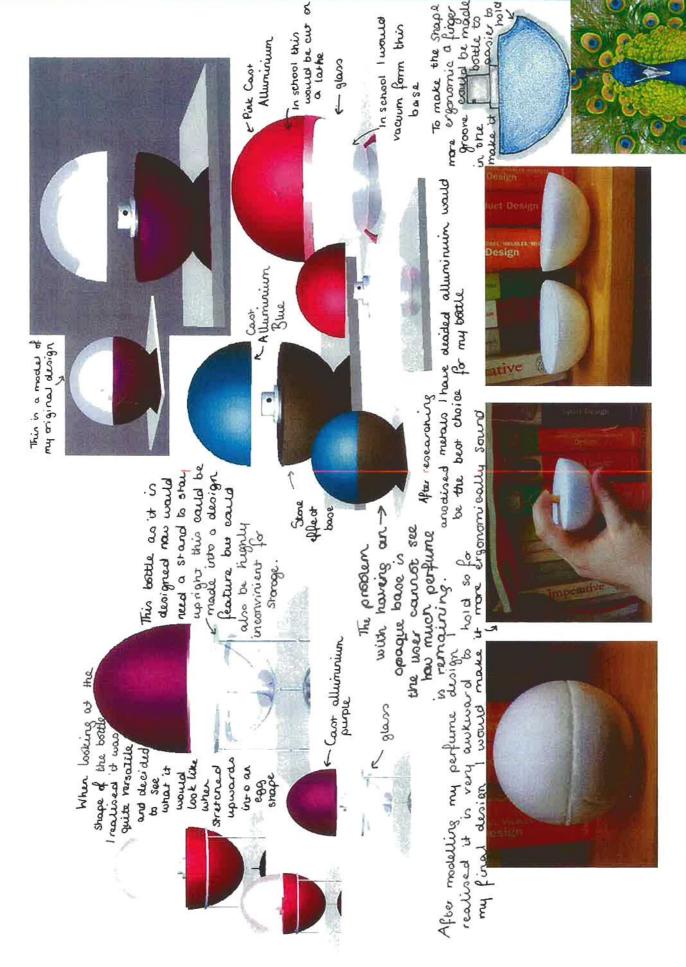




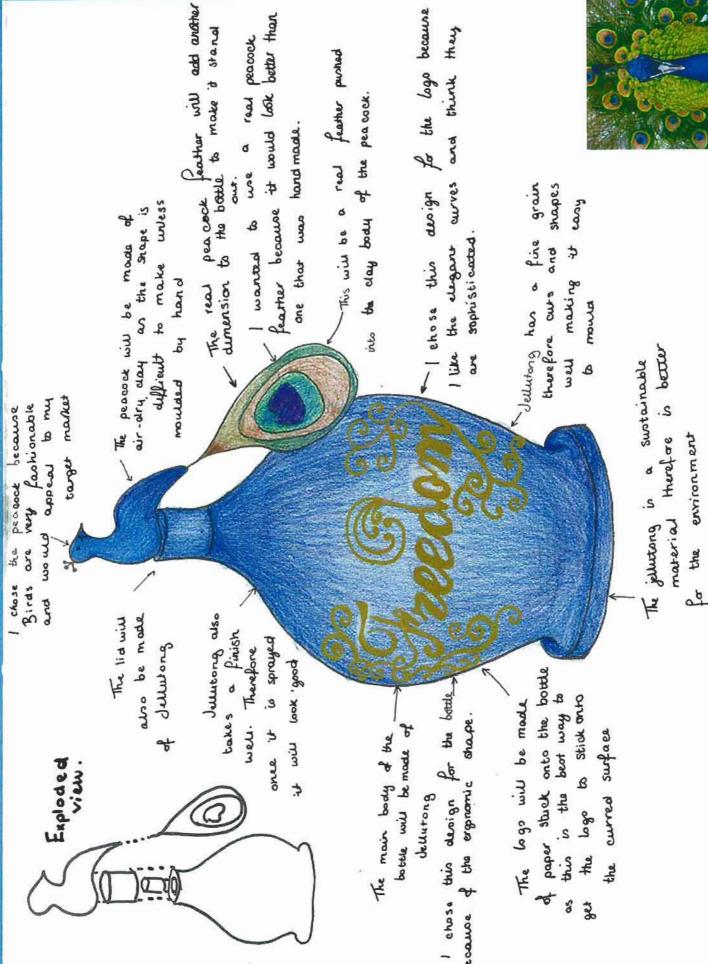
Justification & Explanation	This bottle only got 34 points because of the small area for a logo or graphics. It is a very ergonomic shape however it would need to be balanced or else it would fall over. The bottle has an atomiser spray however it may need to have a lock on it because it does not have a lid and the spray may accidentally go off.	The bottle has got a lid similar to that of a body spray which does not make it as sophisticated as it could be. The bottle has the swirts on the bottle give identification with the brand however there will need to be some different graphics and a logo to make it have a higher visual impact.	i like the atomised spray on this bottle because it is innovative and sophisticated. The bottle may be difficult to mass produce due to the design of the bottle. The ergonomics of the bottle would also need to be improved because at the current design it would not fit comfortably into somebody's hand, it would needed to more rounded or have a nicer neck shape.
Total	34/50	33/50	36/50
The bottle must be suitable for mass production	01/2	01/2	8/10
The bottle must have some form of identification with the brand on it	5/10	5/10	01/2
The bottle must be inspired by natural form	6/10	5/10	01/9
The bottle must have an atomiser system	8/10	9/10	01//
The bottle must be ergonomic sound	8/10	7/10	8/10
Design	7	∞	٥



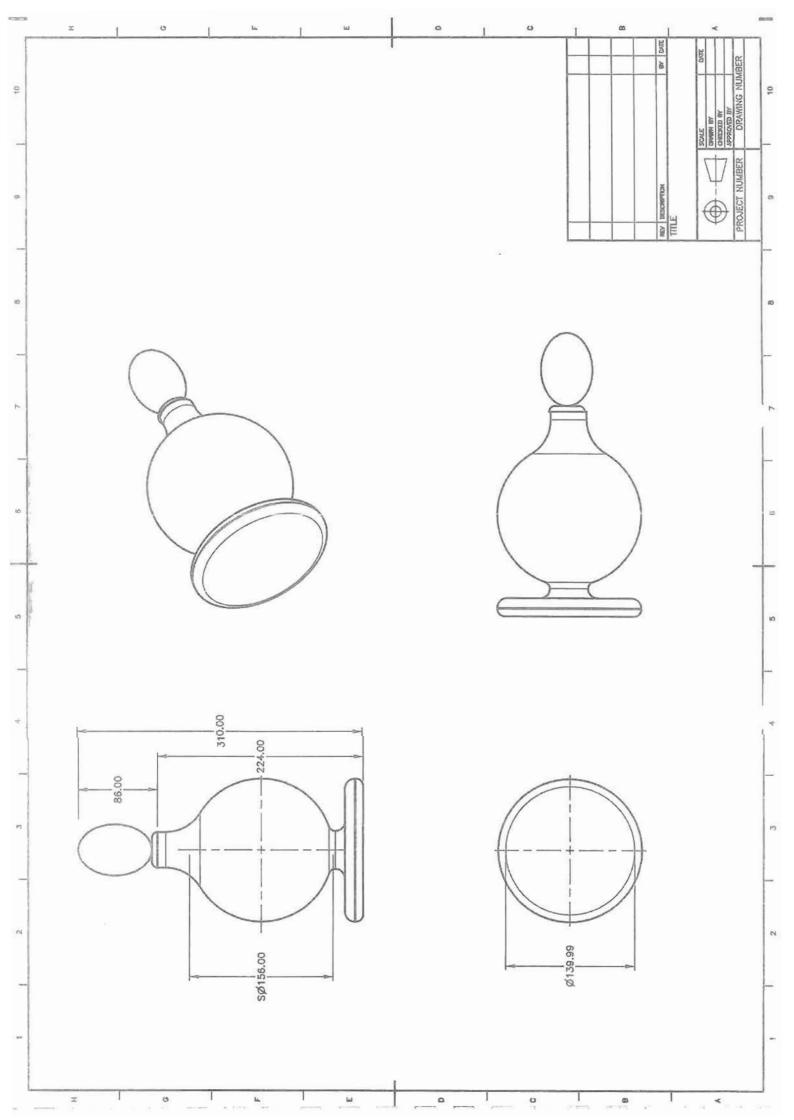




Julytong also The lid will also be made takes a finish to sprayed Jellensong well. Therefore pool, you that the of paper stuck onto the bottle I chose this denign for the bottle this is the best way to logo to stick onto The logo will be mode because of the erganomic shape. bottle will be made of the curred surface The main body of the Exploded dedutong Product Design-Perfume **Soffle**







Here are some nown Samples that coupersibly be used at my box deoign. we care , hold together ribbon bould be used as this be used with would give To hold topether - Magneric strip to notal box struct Logo could be with images that placed her correspond with laver in Printed base lase cut Laser cut hales so unage can be seen. too simple and wand buon ogod go here design Something Product Design- Perfume Bottle inside in the detail is the detail in the

Justification & Explanation	The packaging design is unique as it has two layers rather than a traditional square box. The design is interesting because the swirls and peacock feathers fit in with the theme. The box is also easy to open however if held wrong the bottom would slide out therefore this may need to be addressed.	I like the shape of this box as it is different to most boxes you find in the shop. It's an interesting opening as well rather than the traditional opening therefore may attract people more. I think the graphics on the bottle would need to be altered as they do not compliment the design of the box. The box net would be complicated and may not tessellate for lay planning.	This design is plain and simple but has potential. The acetate window is a good idea as it allows the customer to see the product they are buying which may also encourage people to buy it. The closing mechanism adds sophistication to the box because it is not just a tab close.
Total	40 /50	35/50	34/50
The packaging must be easy to open as so the product can be accessed easily	8/10	01/8	8/10
The box must support and protect the bottle so the product is not damaged when it reaches the user.	7/10	5/10	01/2
The packaging must be suitable for mass production as a high quaintly of units will need to be produced	8/10	8/10	9/10
The colours of the packaging must correspond as to make the overall image of the perfume smart and sophisticated	8/10	01/2	8/10
The packaging must catch the consumer's eye as this will make them more likely to buy the product	9/10	01/10	3/10
Design	-	2	ဇ



would add windows in the shape of a peacock eye and follow the design through to bop closing To make the box coordinate with my theme This box is an interesting shape however it would would look attractive This box wan't the ribbon it This box has of potential space for graphics. Simplifico design Casy Could

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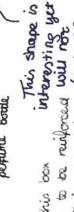
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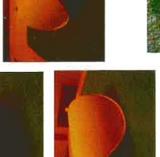
of peacocks in my a peacock designs This design could be top closing developed to righter the perfume bottle theme

contras

and made the peacock



The base of this box inforced will note could held transport the weight of the bottle The base of this box to make slure in



issues with designing graphics that are effective on the shape There may also be



rrier works well

with the spherical shape of my bottle

in transport and bo decided my bottle the bottle whilest holder to probect needs a product

This design ion't

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This bottle continues the fluid curved shape of my bottle housever it is not very stable pings spen

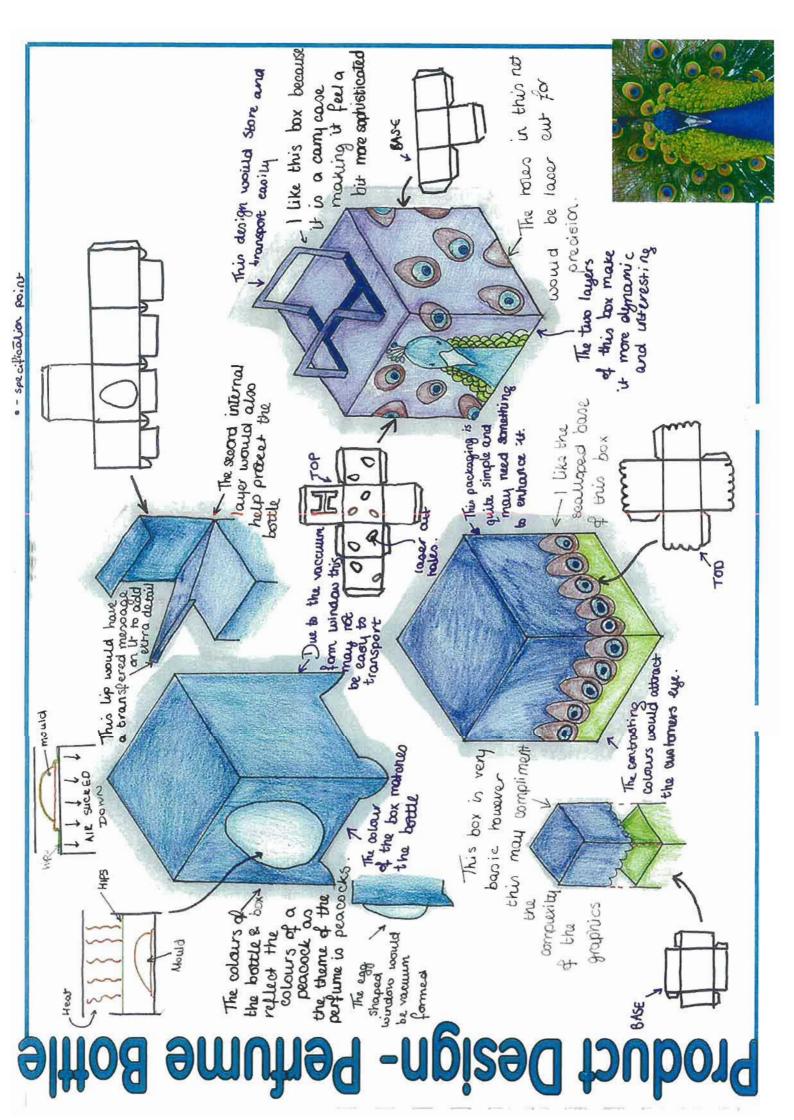


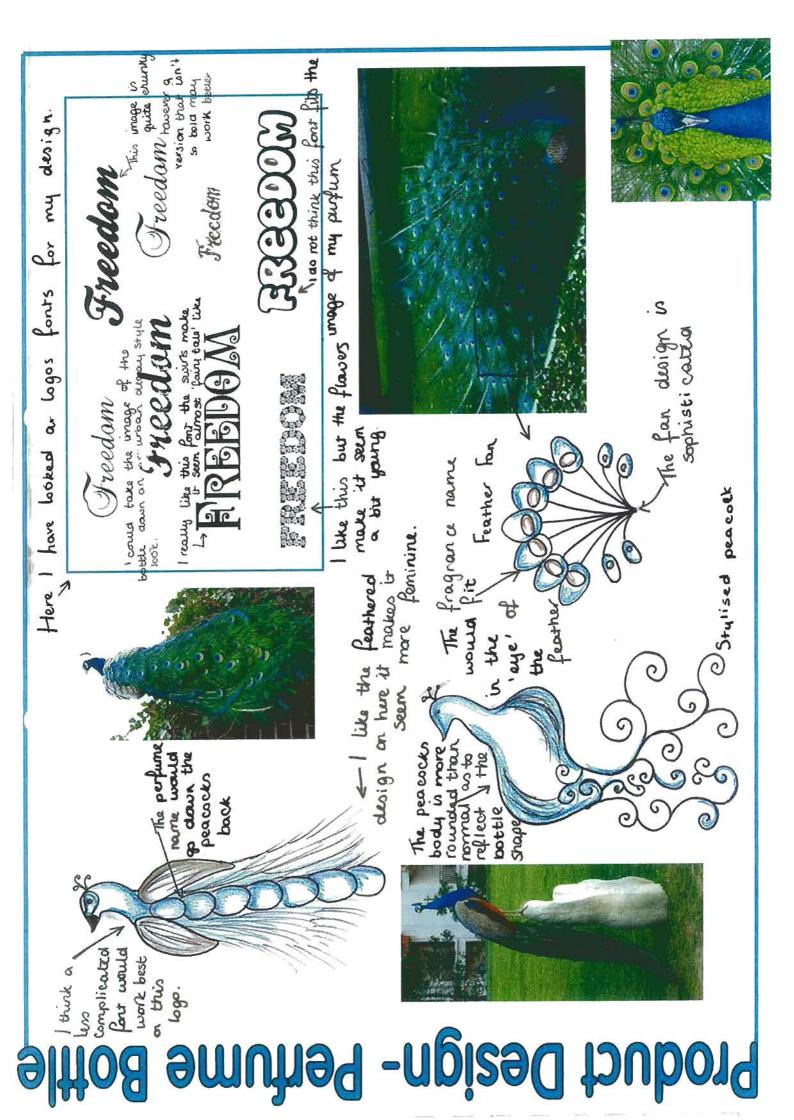


to open and with This box is easy I would hold the elosed with

rippou.

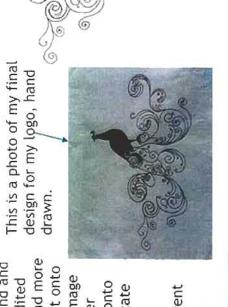
stilles make it look this box becouse the stand.





this so that it looked neater and more drew a peacock design by hand and sophisticated. After this I put it onto 2D design and vectorised the image scanned it into Photoshop. I edited cutter. I then edited it to put onto my net so I could cut the intricate so I could cut it out on the laser mages out.

Shown below is the process I went through on 2D Design

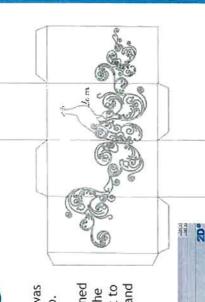


This is my final logo design

for my perfume.

This is my final design for

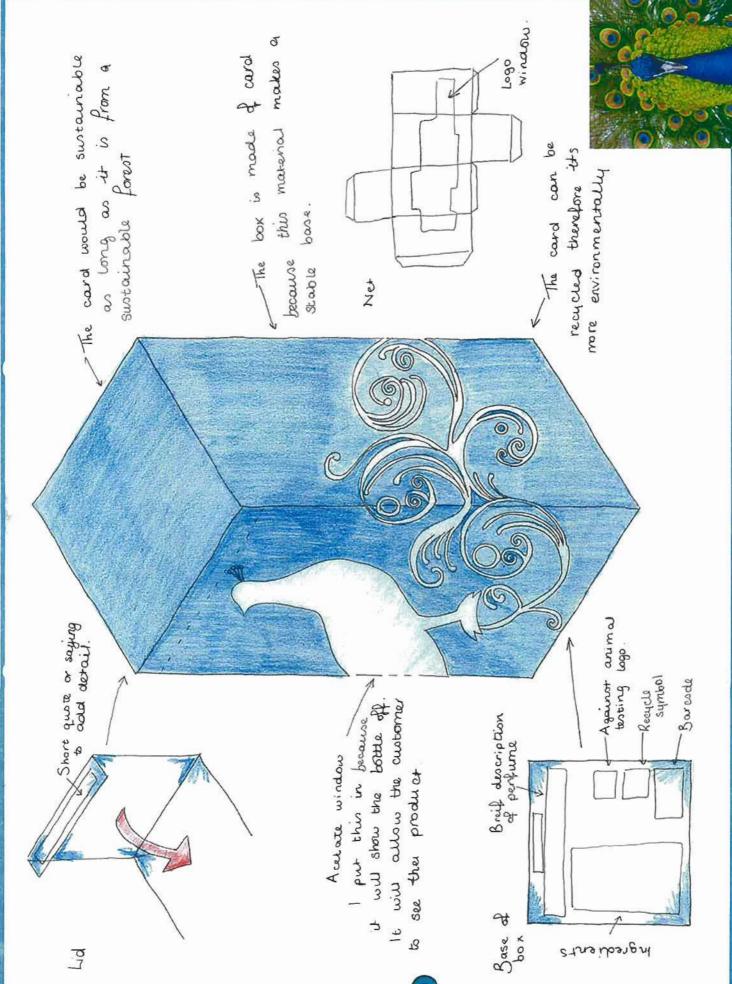
my box.





AI CHE peacocks neck I smoothed other side I smudged it to give it a smoky effect and Here is my image as I was the edges neater. On the editing it on Photoshop. STAN AND AND STANDARD SHARE GOOD STANDARD STANDA On one side of the make it stand out Last Squille THE PARTY AND VALUE AND THE PARTY CLASS OF PERSONS AND PERSONS ASSESSMENT OF THE PERSON NAMED IN COLUMN 19 IN 100 ÅII IN FEW CINI AINE AINER WHITHOUGH INTO WAS WIT

Against animal testing logo. Short quote or saying Recycle Soverede it will show the bottle off Breit description put thin in because Acetate window to see the product Sase of box bracedi ents Product Design- Perfume Bottle

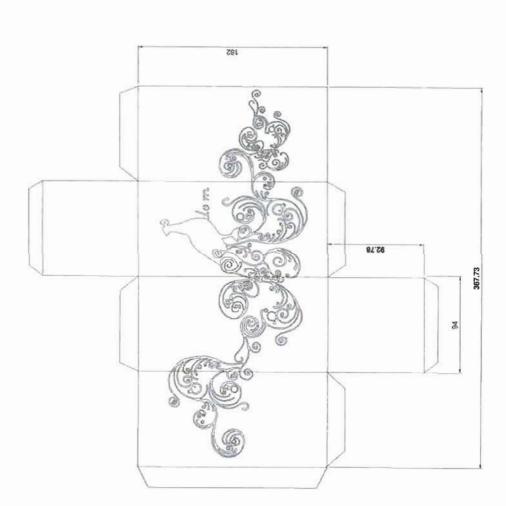


be acetate to create a glossy effect and make the box enough to take the design. Behind the window would would be made of folding box board as this is sturdy This is the net for my box, the main body of the box structurally sound



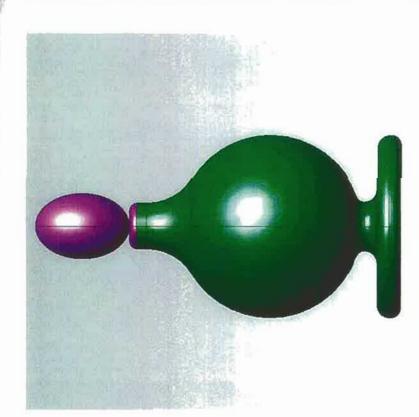






altoa amuhaq -ngizad tauborq

Perfume Bottle and Packaging Product Manufacture-



My proposal is to make a perfume bottle based on the theme of birds with my main focus being peacocks. This is because at the moment birds are in fashion and are very popular therefore this shall give my product a unique selling point. I will make the main body out of Jellotong because it is a sustainable wood and forms easily. Also Jellutong takes a good finish when it spray painted. I will turn the bottle on the lathe to get the symmetrical shape that is needed. The lid will be made out of air dry clay as this will be the easiest way to mould the complex lid shape. I will make the lid by hand and then glass paper to get a good finish before finally painting the lid with acrylics.

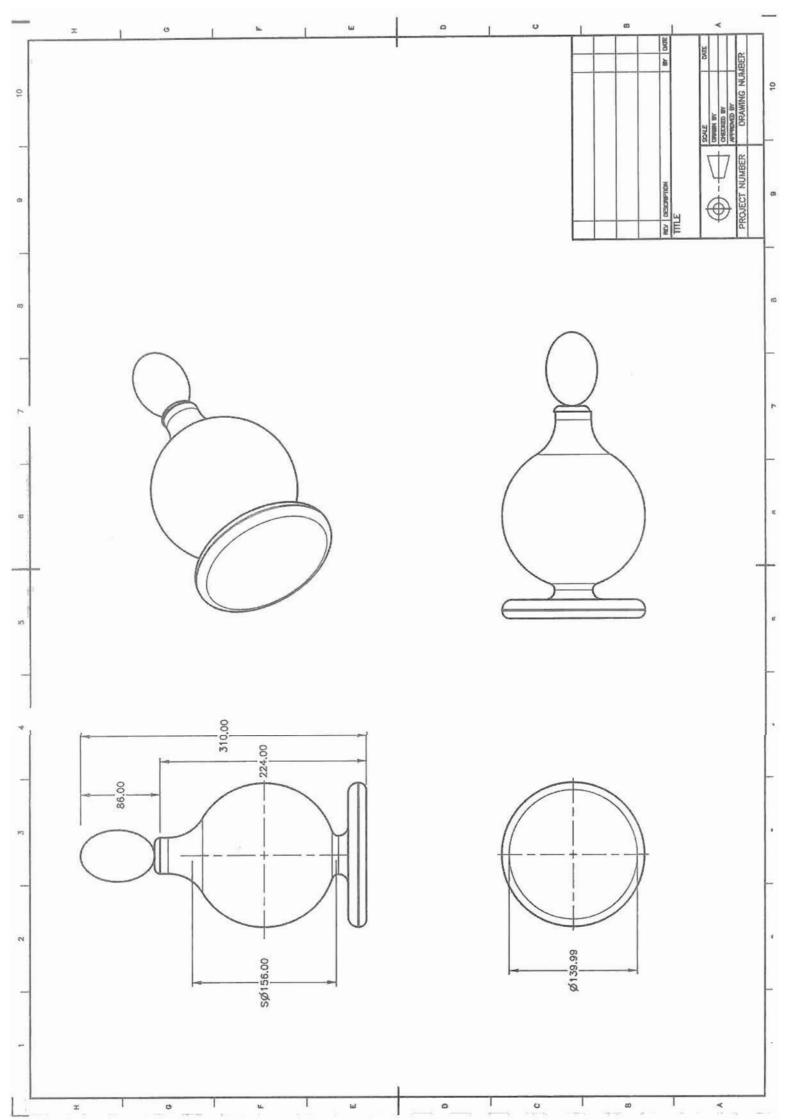
Manufacturing Specification

Bottle

- The bottle must be ergonomically sound so it is easy to hold and comfortable for the user to apply
- The bottle must have an atomiser spray system so the fragrance can be released in a mess free way.
- The bottle must be no bigger than 200mm x 200mm as this will make the product too bulky for the consumer to use.
- The bottle must be design to be mass produced as this will reduce the cost to the consumer.
- The atomiser system must be able to last at least 1000 sprits.
- The materials used in the bottle must be hard wearing and durable so they do not break in use.
- The bottle must dispense the correct amount of perfume per sprits as to make the perfume last longer

Packaging

- The box must be a design that is easy to store and transport as to maximise the amount of units that can be transported thus reducing costs.
 - The packaging must be suitable for mass production as a high quaintly of units will need to be produced
- The box must support and protect the bottle so the product is not damaged when it reaches the user.
- The packaging must be easy to open as so the product can be accessed easily



Time	5 minutes	Prep time 10 mins Drying time 12 hours	45 minutes	10 mins per spray 3 hour drying time	30 mins	1 hour	30 minutes
Activity	Order wood to make my model	Glue wood logether and clamp so it is secure	Attach wood block to lethe and turn bottle	Spray bottle in white base coat, dark blue body coat and gold top coat	Turn perfume bottle lid on tathe	Mould the peacock for the lid of perfume bottle	Drill a small hole in the middle of the bottle to align pieces of atomiser spray on a dowel peg
Tools	Pencil, Cutting list	PVA glue, clamps, vice	Lathe, Faceplate, Chisels of different sizes	Spray paint, spray booth, tum table,	Lathe, Chisels of different sizes	Air Dry Clay, Newspaper	Drill, Drill Bir, Bandsaw, Vice
Health and Safety	n/a	Avoid trapping fingers in the clamp	Wear safety gaggles and apron, safety brief from teacher about using the lathe and associated tools.	Make sure the extractor fan is on in the spray booth. Keep fingers away from spray nozzle to avoid paint getting onto skin	Wear safety gaggles and apron, safety brief from teacher about using the lathe and associated tools.	Do not breothe in dust from air dry clay.	Wear safety goggles, make sure the bottle is securely in a vice to stop it moving
Quality	n/a	Make sure any excess clue is wiped away	Use a template of bottle outline to assure it is the right shape and size	Constantly visually check the bottle for drips	Use a template of lid outline to assure it is the right shape and size	Visual check to make sure the peacock is the correct size and shape.	Visually check the drilled hole and peg to make sure they olign straight.

Time	20 minutes	15 minutes	45 minutes	15 minutes	30 minutes	20 minutes	2 hours	30 minutes
Activity	Laser cut pieces of atomiser	Align pieces on peg and glue	Point perfume bortle lid	Laser cut hortle tray	Place plastic and mould in Vacuum former, Vacuum form mould	Cut excess plastic off to leave the shape needed	Cut excess Draw logo and net plastic off to on 2D design so it leave the shape can be laser cut needed	Laser cut box net out of thick card.
Tools	MDF, Laser cutter	PVA Glue	Paint, brushes, pallet	MDF, Laser Cutter	Vacuum former,	Band saw,	Techsoft 2D Design, Laptop	Card, MDF base board, Laser Cutter
Health and Safety	Make sure the extraction fan is Safety on to stop toxic gases gerting into the atmosphere	n/a	n/a	Moke sure the extraction fan is on to stop toxic gases getting into the atmosphere	Be careful not to burn self on the heated elements	Wear safety gaggles. Sand edges to get rid of sharp bits	Make sure correct posture is used to avoid RSI and damage to the eyes.	Make sure the extraction fan is on to stop taxic gases getting into the atmosphere
Quality	Visually check all areas are cut through and edges are smooth	Visually check pieces to assure the are aligned correctly	Visually check to Visually make sure the areas o painting is and ed surectse and neat smooth	Visually check all areas are cut through and edges are smooth	Visually check for webbing of HIPS	Check all edges to make sure they ore smooth.		Visually check all areas are cut through and edges are smooth

		Packaging	Graphic Design
Bottle	PiŢ	Pack	Grop

Make sure the spray mount is used

in a ventilated area

Health and Safety

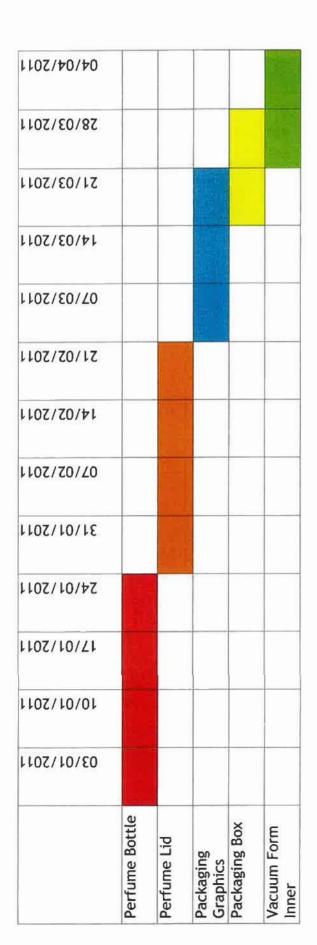
Spray mount, double sided sticky. Form the net of the box and add

Tools

Visually check all areas are joined

Quality

Bottle	
PIT	
Packaging	
Graphic Design	



I chose Jellutong as the material for my bottle because it is a sustainable material and takes the spray paint finish well. It also is forms well on the lathe because it has a fine grain and few knots

I used dowel to make the atomiser because it is already the correct size and shape to make the atomiser also it takes the finish of acrylic paint well as wel

For the graphics I used card, cut on the laser cuter because it gives a clean cut and also could bend around the

bottle. It also took the paint finish well

I used folding box board for my box because it is stiff and would hold my packaging sturdy. I used acetate to create the window in the box because it was transparent.



























































Evidence	Commission and the state of the		Street St	De you believe that have beine is ergenerate?	
Results of the test	The results of my test show that the majority of the people I interviewed said they would buy my perfume. They also rated it as a 9 or 10 when saying whether they liked it or not. Therefore I think that my bottle has met this specification point.	The results of my test shows that the box does safely hold the bottle however it could be improved by possibly supporting the lid as well as the bottle.	The results of my test shows that out of the 10 people I asked 9 people thought the bottle had identification with the brand. The one person who didn't agree said the name didn't match with the design.	The results from my test showed that 90% of the people I asked believed my bottle was ergonomic; therefore it has met the specification point.	The results of my test show that the bottle and the box match because they are the same colour. My subject from my target market also agreed that they looked good together.
How you are going to test it and why	I am going to test this because if it does not appeal to my target market then I will not have met the main point of my brief. I will test this by asking 20 females between the age of 14 and 26 years old if they like my perfume bottle and would they buy it.	I am going to test this because one of my specification points was 'The box must support and protect the bottle so the product is not damaged when it reaches the user.' Therefore if the box does not hold the bottle securely it will not meet this specification point. I am going to test this by visually checking the box to make sure that this is held securely.	This is going to be tested because if my bottle cannot be associated with its brand then the company may not gain a good reputation. I am going to check this by a visual check by someone within my target market.	This needs to be tested because if the bottle is not ergonomic then it will be a bad design. I am going to check this by letting a group of people from my target group handle the bottle and give their opinion on the shape and feeling of the bottle.	To make sure the bottle and box look sophisticated together and match so they don't look awkward together. I am going to check this by a visual check by someone within my target market.
Specification Point	The product must appeal to the target amarket of females raged 14-26 years old.	The box must hold the bottle safely the bottle safely	The bottle must have some form of identification on it e.g. an embossed image on the bottle so the make and brand is recognisable.	The bottle must be ergonomically sound so it is easy to hold and comfortable for the user to apply	The colours of the bottle and the packaging must correspond as to make the overall image of the perfume smart and sophisticated

Perfume -Alutacture-

Evaluation

I would also place a support in the top of the box to support the folding box board of about 600gsm if I were to remake this box am very pleased with it. I think the best part of my design is the bottle it is ergonomic and fits nicely in a persons clasp. I would may make the overall look more sophisticated. Something that I think my perfume bottle and packaging came out really well. I 'squat', by making it more round than oval in the main body it id whilst in transit. The logo on my box is very complex and to would improve about my model would be the card I made my most eye-catching part of the design and this was my aim, to long once it had been finished. I would possibly use a thicker box from because it did not remain in good condition for very give my box a more rigid structure I would make it smaller to id because it is unique and original. I think the lid is also the draw people in to look further. I like the overall shape of the improve the bottle by possibly elongating it so it was not so only fit around two or three sides rather than all four - One of my test participants thought the peacook feather as a modification I would quality an it wears. So sempture for the overall may reduce create a wire the tail

My only improvement would seen packaging like this and because I can see the product the window makes it good feather which may be more It was the box that initially caught my eye. I've never be to use a faux peacock substantial

phon 1

on my box

Third Party Evaluation



of the bottle.

reducing the overall look like this perfume bottle however I am concerned peacock feather will not look as good therefore that after a while the



instantly and as long as it really like this perfume bottle, it caught my eye was within my budget I

beacock on the lid, it's favourite bit is the would buy it! My

peacock feather gives it an almost vintage look. I also It's right up my street. The bottle if I saw it in a shop. love the packaging; I've would buy this perfume





Strendeler 4 sides of make 4 Modifications rather

went on

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reduce the size of Also