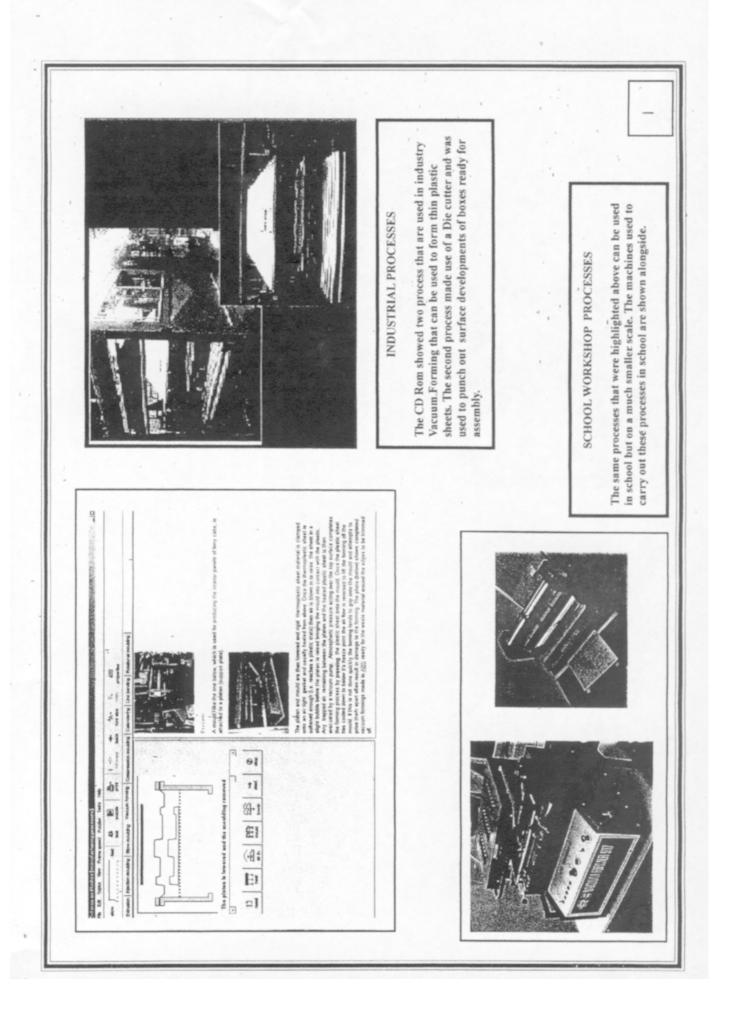


Proposed marks for Unit 2 - Graphic Products

		-	Allocated mark	Location of evidence
al describe a simple manufacturing process, using {C7 as appropriate. 0.1.2.3	a2 produce a production plan that identifies the manufacturing processes and quality control.	a3 evaluate their production plan, in relation to manufacturing processes and quality control. 7 8 9	. 9	A manufacturing process (page 1) and production plan (page 3) are identified. Key stages in production and quality control checks are referred to (page 2 and 4) but these could be developed more fully with greater- reference to the project.
 b) describe the importance of accurate production planning and of meeting the product specification. 0.1.2.3 	b2 identify in their production plan the schedule for maphifiacture and allocate roles to team members	b3 evaluate their production plan in terms of flow the schedule of manufacture could be improved and why particular roles were allocated to particular team members. 67		The need for careful planning and meeting the specification is outlined on page 5. Roles in the production plan have been allocated to team members on page 6. After considering how the team would work together on page 7 a revised schedule of manufactore has been produced. Further evaluation is needed of these areas.
c1 identify key control points during manufacture and describe the importance of health and safety. 0.1234	c2 use quality control tests and carry out work with due regard to health and safety, including reference to appropriate safety systems. 5 6 7	c3 explain and justify how the production planning and scheduling could be improved to encompass total quality management and appropriate safety systems. 8 9	د	A list of key control points for making the project along with health and safety issues are given on page 8. Quality control is mentioned on page 9 and evidence of the group carrying out such work is evident on pages 10 - 12. How the production plan can be improved as well as details regarding safety systems could have been included in detail.
d1 describe the features of good tearwork in the manufacture of a product. 0 1 2 3 4 5	d2 identify effective teamwork for different aspects of manufacture, identify key roles during the preparation of materials, components, equipment and machinsery in the manufacture of their product 6.78	d3 explain methods of improving the production of their product by more effective use of the manufacturing team and through improvements that could be made as a result of buying im ingredients or components. 9 10	¢	Team organisation and features of a good team have been included on pages 13 and 14 but no consideration is given as to how improvements can be made as a result of buying ingredients or components.
el describe how they produced their product using appropriate tools and equipment. 0 1 2 3 4 5 6 7	e2 explain why the tools and equipment used were appropriate to the task and identify any changes they have made to their production plan. 8 9 10 11	e3 evaluate their product in terms of the tools, equipment and processes they have used and comment on how these would be modified in "real world" manufacturing. 32 13 14 15	. 01	A description of the development of the package style is given on pages 15 - 17. A plan of making with process sheet for the production of one part of the package (page 18) is given along with work progress sheet(diary of making (page 19). A description as to how the product was made identifying tools and equipment is given on page 16 but line explanation is made as to with these were appropriate. The evaluation on page 20 dues suggest further improvements to the package and explanation of how the product was made in a school situation is given on page 21. The real world manufacturing situation is considered on page 22 but only for part of this project, this aspect needs to be developed considerably.
		Total mark	34	

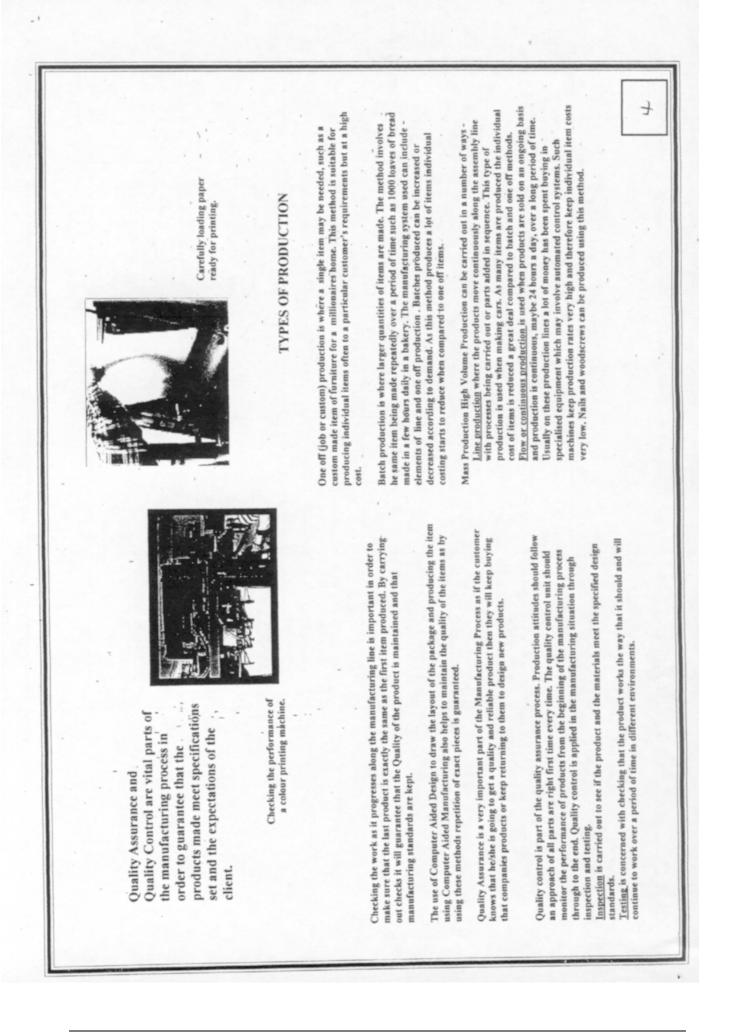


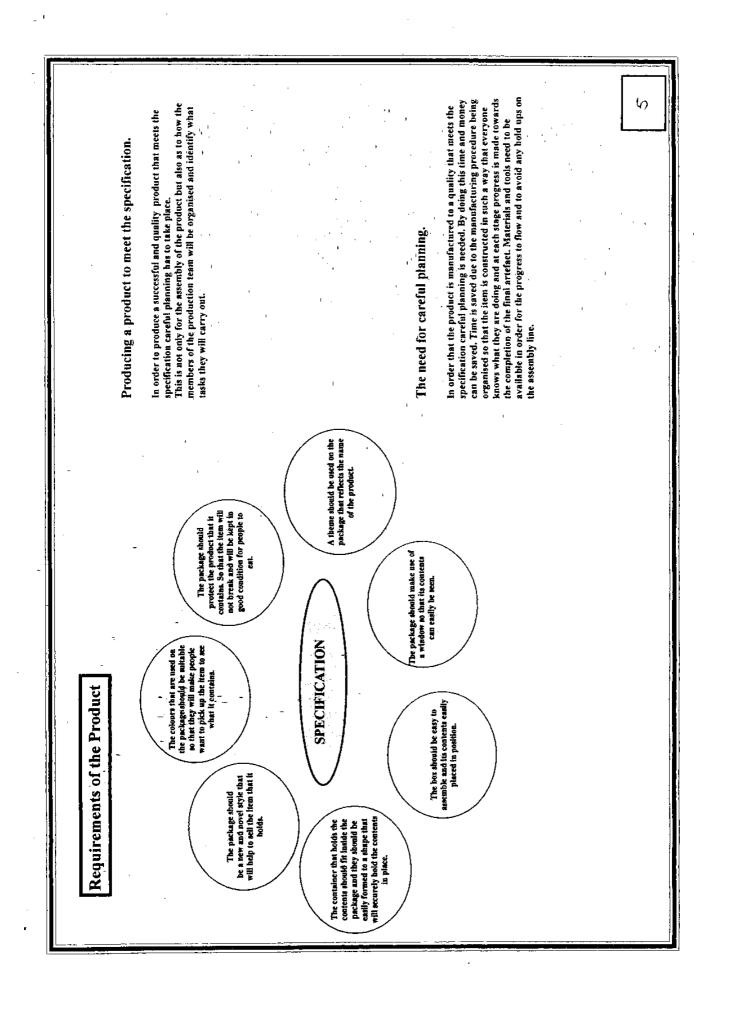
MONTORING AND CONTROL OF THE MANUFACTURING PROCESS	Printing is a highly skilled profession and at many stages during the manufacturing process of a printed item expert judgement is needed when checks are carried out to see that the manufactured product is matching the quality required and fulfilling the identified specification.	Careful checking of printing film is crucial if a high quality printing plate is to be produced. This is particularly important in terms of registration and alignment. The balance between the colours in the four colour process is very important as is the registration of one colour to the others.	2
KEY STAGES OF PRODUCTION KEY STAGES OF PRODUCTION The main stages of production which should be considered when planning are - . Specification and design of product. . Manufacture of prototype.	 Approvation and ordering of materials. Selection and ordering of materials. Machine setting and tooling. Quality control check on goods received. 	 Preparation of parts for assembly. Assembly of Product. Quality control of product. Packaging. 	. Distribution.

PRODUCTION PLANS Accurate planning is needed in order to analyse stages of production in such a way that the product is made and assembled as efficiently, accurately and as quickly as possible.

V FOR MAKING - PACKAGE and CONTAINER INSERT.

-	OPERATION	MATERIALS/PARTS/	W STOOL	RISK	High	TIME TAKEN	NKEN
- - -	-	COMPUNENTS	EQUIFMENT	ASSESSMENT	Low	Est. A	Actual.
	Making package. Design layout - include net and images.	Use of PC and publisher package.	PC and software - Publisher and clipart	Eye giare from PC.	7	100mins	
	Print out development.	Card	Colour printer A3 size	Take care card cuts.	r	25 mins.	
	Cut development to correct shape.	Card development from above section.	Stanley knife, safety mie, cuting mat	Take care when using Stanley knife.	L	25 mins.	
-	Score correct lines for folds.	As above	Scissors, safety mle, cutting mat.	Take care when using sharp instruments.	. L	20 mins.	
	Fold package to correct shape.	As above.		Avoid paper cuts	L -	30 mins.	
	Mark and cut acctate sheet to correct shape.	Acetate sheet.	Pencil, ruler, Stanley knife, safety rule, cutting mat.	Take care when using Stanley knife.	L .	20 mins.	
1941	Glue acetate sheet into position.	Card development, pritt stick and acetate sheet.	Glue.	Care not to get glue all over.	L	15 mizs.	
S	Assemble package.	Pritt stick	Glue	As above	L.	30 mins.	-
	Making comainer inserts. Design shape for insert.	Paper.	Pencil.			40 mins	
	Make former for mould.	Medium Density Fibreboard and hardboard	Marking out and cutting tools.	Use tools correctly, wear an apron.	W	45 mins.	
	Form shape.	Clear polystyrene sheet.	Vacoum forming machine.	Keep fingers away from heater element	£	15 mins.	·
	Cut formed shapes to size.	Formed polystyrene sheet.	Stanley knife, cutting mat and safety rule.	Take care when using sharp tools.	J	30 mins.	
	Trim edges of insert.	Individual containers.	Sanding disc.	Keep fingers away from abrasive, wear goggles and apron.	W	45 mins.	•••
	Assemble ualt. Put container inside package.	Card package and polystyrene container.		Paper cuts.	Γ	10 mins.	•
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Ĩ ing and Graig and Mark are best friends and they Craig and Mark are going to work on the plastics element of the project, designing a Design and Technology. They both enjoy designing items but like making bost. naking the polystyrene containers WORKENG as a TEAM Make a mould that will allow the container to be shaped. They have been selected by the group to carry out the designing and making of the package. Emma and Liz are good at ICT and Art and They are both excellent attenders to school and mix well with other people. Cut the formed sheet up into individual containers. Form the costainer on the vacuum former. Besign the shape for the container insert. Trim the edges of the container especially like design Glue the acetate sheet in correct position on the packag pment of the package PLAN of MAKING ment to shape, inclu Print out the development of the package. Cut the acetate sheet to the required size insert the images onto the develo Select the correct colour scheme. Design the layout of the package. feld package to shape designed Cut the package devel Score fold line

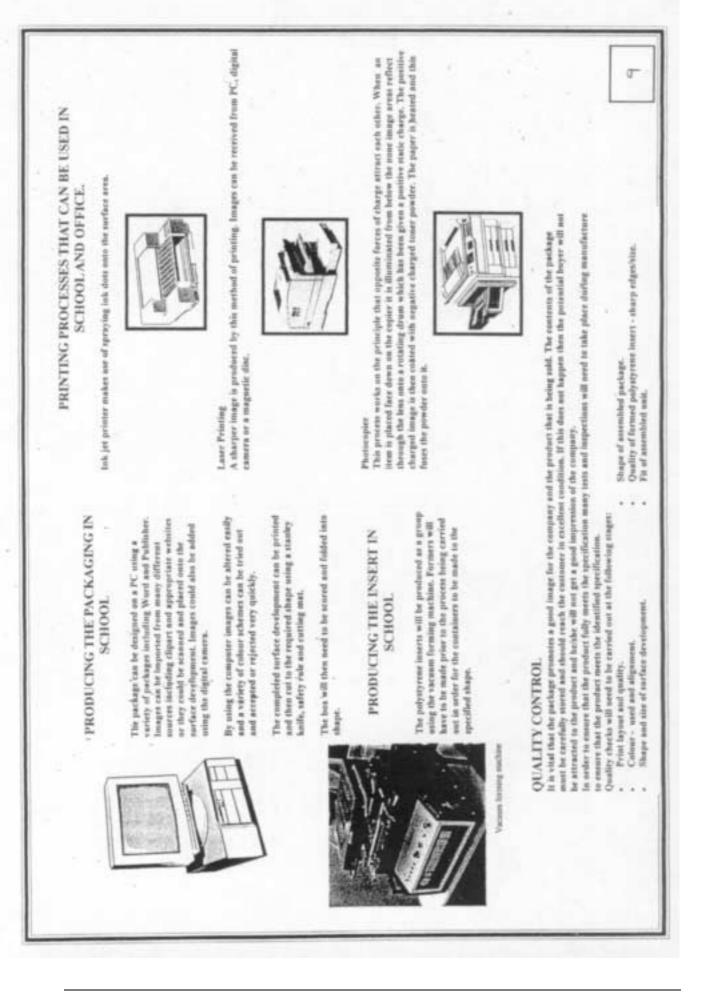
			Month	
-			Date	
	Stage	Process	Dept.	
GANTT CHART TO SHOW MANUFACTURING	-	Design the layout of the package	Design	
SCHEDULE	~	Rrint out development of packages	Product	<u> </u>
	6	Cut out package	Product	
-	4	Score package.	Product	
	ŝ	Cut out acetate sheet.	Product	
	ю	Glue acetale sheet into position.	Product	
	-	Assemble package.	Product	[. ·
	ŝ	Design shape for container insert.	Design	
-		Make mould for container.	Product	ĺ
	2	Produce container on the vacuum former.	Product	
-	=	Cut out container inserts.	Product	
_	₽	Trim the edges of the inserts.		[
-	5 V	Assemble product.	Product	
	7			
-		Week Number	1 2 3 4 5 8 7 8 9 10 41	12
WORKING AS A TEAM TO IMPROVE THE MANUFACTURING SCHEDULE.	IRIN	3 SCHEDULE.	· · · ·	
As the team is made up of four members it would be more beneficial to the procedure if the group worked as a team and members were given tasks according to their strengths and interests. Emma and Liz will carry out all the work associated with the packaging and Craig and Mark will work on the polystyrene insert aspect. The schedule can therefore be revised to show the groups carrying out the identified tasks.	ure if th g and M ed tasks	ie group workêd as a team and ark will work on the polystyrene		· · · · ·
REVISED SCHEDULE -				· · ·
				· · · ·
		1		
				7

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<section-header> Antiperiodic production: Constrained on the production of the producti</section-header>		
allow insert to fit. lue flaps are large enough spart. I appearing once the flaps do not get in way e scetate sheet to be glued and overlap. et. tet. bot With no sign of Con	Quality Assurance of Packaging.	
t surface development is the correct size to allow insert to fit. a can be assembled correctly and that all glue flaps are large encough glued they will say in position and not full apar. If a should be big enough to prevent any gaps from appearing once the clack that how will assemble correctly and flaps do not get in way. as for window is large enough to allow the scetase sheet to be glued and it will say firm when package is used. If it is any firm when package is used. of images and in will say firm when package is used. If insert, will it fit hou? If is not the plastic is it up to specification? With no sign of oble on the plastic is it up to specification? With no sign of oble on.	Stages for checking during manufacturing -	Health and Safety Issues.
e surface development as the correct size to allow meer to the glued they will say in position and not full spar. Bid should be big enough to prevent any gaps from appearing once the cleeck that how will asseitable correctly and flaps do not get in way. pace for window is large enough to allow the sociate sheet to be glued and it will say firm when pricings is used. It is say firm when pricings is used. It is say firm when pricings is used. I finsent, will it fit hoo? I hook cut for that used the used. I hook cut for sharp areas that mey cut the uset. I hook cut for sharp areas that mey cut the uset. I hook cut for sharp areas that mey cut the uset. I hook cut for sharp areas that mey cut the uset. I hook cut for sharp areas that mey cut the uset. I hout that is on the plastic is it up to specification? With no sign of evident.	BOX ASSEMBLY	Use of cutting out tools
It d should be big enough to prevent any gaps from appearing once the (check that box will assemble correctly and flaps do not get in way. pace for window is large enough to allow the acetate sheet to be globed and it will stay firm when package is used. It is not on printing look out for fade, bleeds and overlap. I finsert, will is fit box? I nook cut for sharp areas that may cut the user. (look cut for sharp areas that may cut the user. I hant is on the plastic is it up to specification? With no sign of eviden.	 Check that the surface development is the correct size to show mean to it. Check that how can be assembled correctly and that all glue flaps are large enough so that when when when will stavin position and not fall spart. 	
pace for window is large enough to allow the acetate sheet to be glued and it will stay firm when package is used. Is used on printing look out for fade, bleeds and overlap. It of images and lettering. I insert, will is fit boo? I incort out for sharp sees that may out the uset. I houk cast for sharp sees that may out the uset. I have is on the plastic is it up to specification? With no sign of evident.	 Filaps on box fid should be big enough to prevent any gaps from appearing once the box is folded, check that box will assemble correctly and flaps do not get in way. 	
es used on printing look out for fade, bleeds and overlap. t of images and lettering. finsent, will is fit box? i look cast for sharp areas that may cut the user. i look cast for sharp areas that may cut the user. in that is on the plantic is it up so specification? With no sign of evident.	 Check that space for window is large enough to allow the scetate shoet to be glued into position and it will stay firm when package is used. 	
eck colourer used on printing look out for fade, bleeds and overlap. eck layout of images and lettering. eck size of insent, will it fit boo? eck edges look out for sharp areas that may cut the user. eck a finish that is on the plastic is it up to specification? With no sign of theating evident. Con	BOX PRINTING	
eck layout of images and lettering. eck airse of insent, will in fit box? eck edges look out for sharp areas that may cut the user. ok at finish that is on the plastic is it up to specification? With no sign of sheating evident.		Vouuna Foundation
eck size of insert, will in fit box? cck edges look cast for sharp areas that may cut the user. ok at finish that is con the plastic is it up to specification? With no sign of cheating evident.	 Check layout of images and lettering. 	
s that may out the user.	INSERT	 Using the vacuum forming machine - keep fingers away from heater element.
. 5.	 Check size of insert, will it fit box? 	 Check material as it is being heated do not allow the material to over heat as this could cause fumes to be given off and further heating could cause.
້ .	 Check edges look out for sharp areas that may cut the user. 	Allow items to cool before removing from the machine.
5 I	 Look at finish that is on the plastic is it up to specification? With no sign of overheating evident. 	
		Completed product
		40

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2 Checking safety systems available in the school workshop Condition Health and Safety issues. Lacation Health and Safety chuck sheet. Verifiation Extractory Venthation Windows Electric First Aid Equipment Pewer cut off switch Emergency East Safety Goggles Ear pretectors Detric sockets Light rwitches Water Supply Durit Mark Fire Alarm July hing Aprost Item Check that there are no sharp edges on the insert Quality checks carried out in making the packaging development has been cut to the correct thaps/ time and that all fidth and creates are cut/ pured. Check that the surface Check that the inter-fits into the package. Check that the colour and alignment of lettering is currect and insert.

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Overcome problems as they arise.				· · ·
CORRECTIVE ACTION REQUEST	Number: 1	CORRECTI	CORRECTIVE ACTION REPLY	1
Request raised by To: Department:	To: Dept. or Supplier:	From: The problem is:	To:	1
-	Copits te: Manufacturing Manager Quality Assurance Manager	The mould has not been produced cor its edges or corners are too sharp.	The mould has not been produced correctly and may not have the required draft on its edges or corners are too sharp.	
Signature:	, Others.	Immediate action to correct is: Check that the sides have a taper on the edge. Check that all corners are rounded.	on the edge. ed.	
What is wrong (e.g. give details of parts, batch details, not working to	etails, not working to procedures etc.)		SignatureDate	
The mould can not be removed from the formed plastic after carrying out vacuum forming.	d plastic after carrying out vacuum	Action to prevent this happening again: Carry out careful checks of all moulds th tapers avoid square edges.	Action to prevent this happening again: Carry out careful checks of all moulds that are produced for required draft, and tapers avoid square edges.	······································
			Signature Date	
	CORRECTIVE ACTION			
	Con	Completed		•
	Not	Not Completed		· · .
	Signature	Date		
	WHEN COMPLETED SEND THIS FORM TO	ED SEND THIS FORM TO QUALITY ASSURANCE DEPARTMENT		
	OA DEPARTMENT ONLY		-4	
	CHECK FOR EFFECTIVENESS Yes	By:		· · · ·
	No Comments:			,
	Check moulds that are being used prior to carrying out the vacuum forming process.	carrying out the vacuum forming	•	
			1	
	Signature	Date		
				L

Overcome problems as they arise.			_		
CORRECTIVE ACTION REQUEST	Number: 2		CORRECT	CORRECTIVE ACTION REPLY	
Request raised by To: Department: Dep Date: Cop Signature:	To: Dept. or Supplier: Copies lo: Manufacturing Manager Quality Assurance Manager		From: The problem is: The ink levels in the printer cartridge are low or the printing h Immediate action to correct is: Carry out a sample print on a blank piece of card/paper. Clean head on printer.	From: The problem is: The ink levels in the printer cartridge are low or the printing head is blocked. Immediate action to correct is: Carry out a sample print on a blank piece of card/paper. Ctean head ou printer.	
What is wrong (e.g. give details of parts, batch details, not working to procedures etc.) Black outlines on the printing are not a definite line they are being printed as dashes.	letails, not working to procedures etc.) ie line they are being printed as	S C A	S Action to prevent this happening again: Carrridge cartridge	Signature Date Action to prevent this happening again: Carry out regular checks on print heads and monitor ink levels in the printer cartridge Date Signature Date	
	CORRECTIVE ACTION	Completed Not Completed			
	WHEN COMPLETED SEND THIS FORM TO QUALITY ASSURANCE DEPARTMENT OA DEPARTMENT ONLY	M TO QUALITY	Y ASSURANCE DEPARTMENT		,
	CHECK FOR EFFECTIVENESS Comments:	Yes No	By:		· · · · ·
	Check ink levels at the beginning of each print run, have spare cartridges ready to replace existing one after 100 runs have been completed. Signature Date Date	each print run, l ave been comple	have spare cartridges ready to sted. Date	, , , ,	4

							· · · · · · · · · · · · · · · · · · ·	· · ·			•	[3]
				•		- WEAKNESSES	age Missed one or two lessons and others sing had to cover for her.	Great at making up the boxes was very accurate Wanted to do all the work herself, didn't with marking out and scoring.	Tends to be a little slow as he wants everything to turn our prefect.	and overcome problems as they arise? used whenever a problem occurs. These are passed on to a supervisor so that advice can be gained and action carried out to problem happening again.	urk at identified intervals to see that all pieces	
-		-			F * Paor	STRENGTHS	Was very good with the design of the package as she-could understand the layout of nets using publisher package.	Great at making up the boxes was very accu with marking out and scoring.	Craig is really good at using hand tools and produces first class accurate pieces of work.	15 as they arise? curs. These are passed on to a supervisor so that	How does team carry out quality control tasks? The group have been organised so that they will cover for each other if absent, they will also check each others work at identified intervals to see that all pieces	
	-	ideas with each other and y should attend school	ey should support each cess then other members lping them with it. If one to date it may be better if dule and allow the work		Key - A = Escellent F = Paar	- Attendance Punctuality Contribution	6. V 8.	V V V	< < <	te and overcome problems as they arise? re used whenever a problem occurs. These are passe e problem happening again.	uality control tasks? hat they will cover for each off	(fication.
	tant in a good team ?	th each other. They need to share se with or do not like their ideas. iable and be good threkeepers, the	tways fry to produce their, pest. The oblem with a particular task or pro- em ways to carry out the task or he ir work schedule and another is up ether to get everyone back on sche ether to get everyone back on sche	-	Review of Group	NAME	Emma	Liz	Craig	How does team communicate and overcome prob Sheets have been produced which are used whenever a problem overcome the problem and avoid the problem happening again.	How does team carry out quality control tasks? The group have been organised so that they will cover for eac	manufactured meet the agreed spec
Teamwork	What do I think is important in a good team ?	A good team needs to communicate with each other. They need to share ideas with each other and not be offended when others don't agree with or do not like their ideas. The individual members need to be reliable and be good timekeepers, they should attend school	regularly. When carrying out tasks they should always try to produce their, pest. They should support each other and if one member is having a problem with a particularitask or process then other members should support that person showing them ways to carry out the task or helping them with it. If one member of the team is behind with their work schedule and another is up to date it may be better if they pool their resources and work together to get everyone back on schedule and allow the work to expression of state and allow the work schedule and another is up to date it may be better if they pool their resources and work together to get everyone back on schedule and allow the work	n program and the second of								

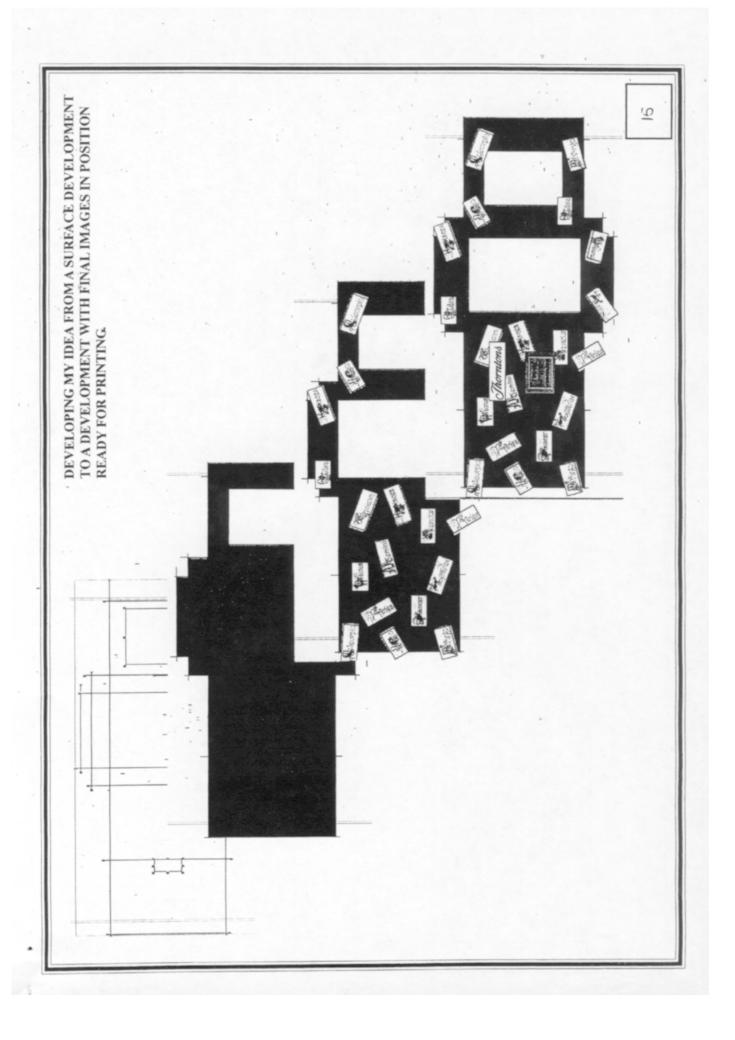
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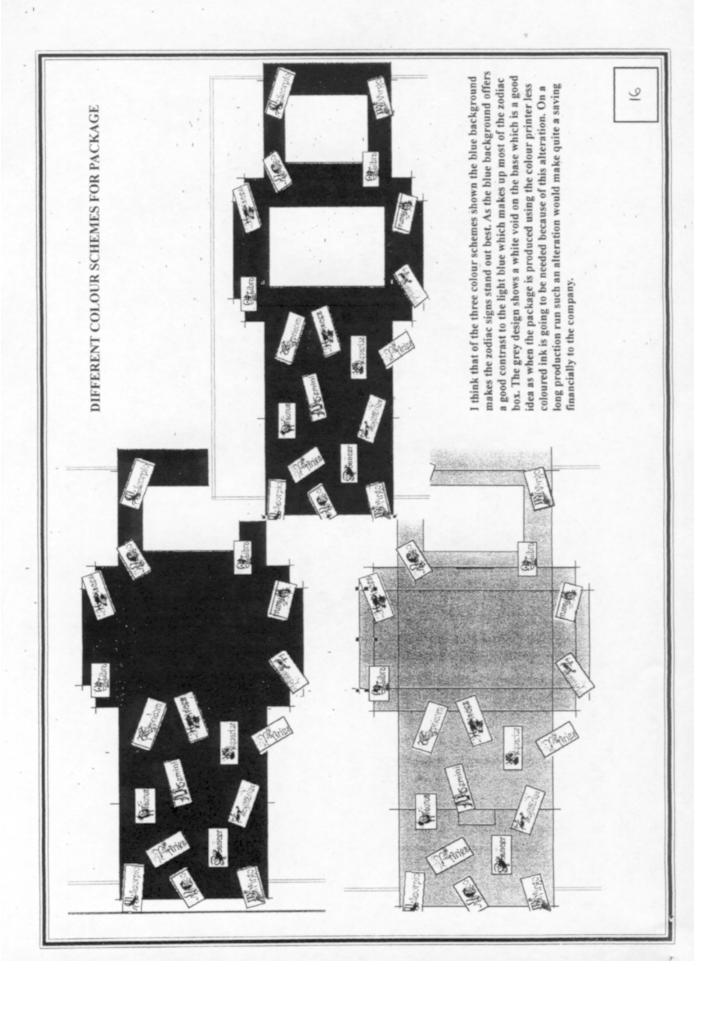
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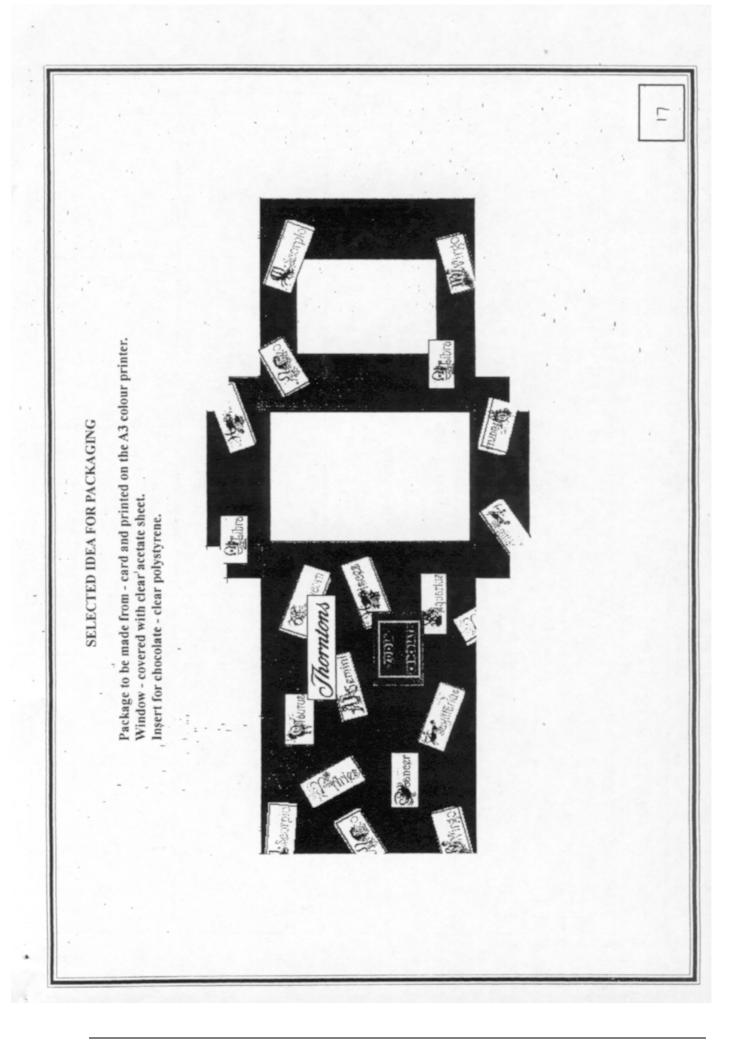
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Teamwork				
Team Organisation				
During the preparation, manu team has to work together an variety of different tasks in or efficiently.	During the preparation, manufacturing and assembly of the project my team has to work together and it is important that people carry out a variety of different tasks in order for the egg timer to be produced efficiently.		· · · · · · · · · · · · · · · · · · ·	
	TEAMWORK ² Allocating tasks.			
	Team members - I. Emma	2. Liz	-	
	3. Craig	4. Mark		
	S	6.		
	Design and purchasing the material. Emma and Liz will design the layout for the package and order the correct quantity of card and acetate sheet for that part of the project. Craig and Mark will design the shape of the container to go into the package and check that the quantity of MDF to make the moulds is available, however they will need to order rolls of polystyrene for use on the vacuum forming machine.	rial. out for the package and order the correct quantity of card and acetate s ape of the container to go into the package and check that the quantity to order rolls of polystyrene for use on the vacuum forming machine.	sheet for that part of the project. , of MDF to make the moulds is	· · · · · · · · · · · · · · · · · · ·
	Preparation of the material. Emma and Liz will have to check the quality and amount of ink in the printer. Craig and Mark will have to check the condition of the seal on the vacuum forming machine, cut the polystyrene to the required size and check the draft on the moulds.	of ink in the printer al on the vacuum forming machine, cut the po	Aystyrene to the required size and check	· · · · · · · · · · · · · · · · · · ·
	Equipment set up and basic assembly. Emma and Liz will set up the printing and cutting equipment making sure that the necessary safety regulations and risk assessment has been carried out. Craig and Mark will set up the vacuum forming machine and identify the necessary hand tools needed, checking there condition before use.	ent making sure that the necessary safety reguard identify the necessary hand tools needed,	ulations and risk assessment has been checking there condition before use.	
	Finishing. The packages will be assembled by Emma and Liz with Craig and Mark trimming and fitting the containers into the packages.	raig and Mark trimming and fitting the contai	nefs into the packages.	
	Quality Assurance. All students will check each others work at predetermined points and at the end quality control checks of each product that is manufactured will be carried out to ensure that the specification is met and quality maintained.	points and at the end quality control checks c uality maintained.	of each product that is manufactured will	
				11-F

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MAIN PROJECT - CONFECTIONARY PACKAGE	
PLAN OF MAKING - Polystyrene containers.	
TASK SUB TASK HEALTH & SAFETY Making moulds. Take a sheet of Medium Density Fibreboard from the store cupboard. Care with lifting heavy items. Mark.out the size required. Care using hand tools. Care using hand tools. Ascemble unit. Ascemble unit. Care using hand tools.	y items.
Make polystyrene container. Place moulds in correct position on vacuum former tray. Cover moulds with polystyrene sheet and clamp in position. Avoid touching hot heater Heat up plastic.	ater
Turn on vacuum and form plastic over moulds. As above. Remove containers from vacuum forming machine. Take care when handling hot material.	ing that
Make individual containers. Cut formed sheet up into individual items. Use cutting mat and safety rule with Stanlev knife.	afety rule
Trim edges of containers on sanding disc. PROCESS SHEET to show stages to be carried out	
Base I Amere out Sized Cut out Burverul Tapleac. Eth Mour US function in Macurula Factorine Macurula Factorine Amount Amount Tapleac. Eth Mour US function in Macurula Factorine Macurula Factorine Macurula Factorine Amount Amount Amount Amount Mour US function Macurula Factorine Amount Amount Amount Amount Mount Macurula Factorine Amount Amount Amount Amount Macurula Factorine Macurula Factorine Amount Amount Amount Amount Macurula Factorine Mount Amount Amount Amount Amount Macurula Factorine Mount Amount Amount Amount Amount of Marke Auric Mount Mount of Macurula Factorine Amount Amount Amount Amount of Marke Auric Mount of Macurula Factorine Mount of Macurula Factorine Amount Amount Amount Amount of Marke Auric Mount of Marke Auric Mount of Macurula Factorine Mount of Macurula Factorine Amount Amount Amount Amount of Marke Auric Mount of Marke Auric Mount of Macurula Factorine Amount Amount Amount Amount of Marke Auric Mount of Macurula Factorine	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

TO GETTHER UNTIL PRITTIPOL DUED. T AMENN' OF MANNE VILLAN & POR - FLIGHTS PURCH AFRE RUNNING NGC REPORT (changes, problems etc.) 9 MOU NC N TOKION TOF I DEL NEEDED TO WE A UMAL ò BLANKS GET STUCK 5-1-2-0 THUDAN ADD Much DANPT KUMING BOXED Couloug OFF AN 745 CUTTING MAT, SAPEN RUE CLUPART, WORD PARKAGE P.C. PUBLISHER PROVIDE SULLECI, SAFEY PUE TENEN (ALL, GANJING) ACUTATE SHEET, DOUBLE fOOLS,MACHINES, VACUUM FERMING PROCESSES. COLOUE PRINTED STANLEY KNIFE. RULER, PENCL STANLEY KNIFE GLASJ PAPER SARM RUCE Bruc, PLANE CLAS / PAPER-Sines mar とうに こま MACHNE LT BLANKI IN YACUUM FORMING MACHINE WE VACUUM FRAME TO CREATE TRAY cut out precedees AND WINGOWS SP Prouch BLANK CUT OLT IN BIVIENNE TRANK FLENN CUT OUT STATE AND POUND EDGED LOAD FRAY INTO PACKAGET PACKAGE GLUE A CETATE INTO PULTION AND FOLD PACEAGED COVER WITH POLY STY PLANE (HERE) cream up edded of itemy. WORK CARRIED OUT どうよ しってい いっこうろ PRINT BUT PACKAGET Pur TAPER ON FIRED PULLINGENE LINGS JACKAGES. H WHY S MARK OCT ON N.D.F. SCORE GLUE WORK PROGRESS VER .4. 히 NGK . WEEK -DATE ž6k

EVALUATION OF MANUFACTURED PRODUCT	I am pleased with the\ way that my project has turned out. The idea of the signs of the Zodiae will really appeal to a wide range of customers. Some people take a special interest in their star signs and therefore these chocollates could become a very popular product for the company. Even people who don't particularly take an interest in star signs may buy them as a present for someone's hirthday. The background colour of the boxes compliments the signs very well but there is no reason why this colour can not be changed for others, maroon, green, orange may be suitable.	I think that the product may take time to assemble during the final manufacturing stage but this should be worth the while as a different type of package is being produced, with the opening door an extra feature to attract curiosity.	Improving the product. The product is quite good as it stands however small changes could be made to make it a little more hard wearing. Especially if the card used for the package was coated with a surface finish such as laminating or varnishing to give it a glossy appearance. The name of the product could also be embossed onto the surface to give it a better effect. The polystyrene insert could be coloured blue to match the main colour of the packet.	Buying in prepared components and parts. Buying in ready moulded trays to fit in the packages would speed up the production time. As only the card would have to be primed and stamped to the required shape in the manufacturing line. However buying in the trays would possibly increase the cost of the individual packages as a second manufacturer/supplier would expect to have a profit margin built into the cost of the items. Although using a different manufacturer would take quality assurance for the trays away from the main manufacturer, if any problems were identified with the trays produced then they could be returned to the supply for correction or replacement. The process could be further speeded up and costs saved at the main production have by contracting the assembly and inserting the tray-to a different manufacturer. This would keep production time down at the main plant and would keep the work force down to a minimu.
	Close up of host	Burn stacked ready	A herds af tweet packages.	

