

5/2/13

Aug 2013

UNIT 511		Name: <u>Canner Brookfield</u>		Comment	
C R E A T I V I T Y	Theme choice	Stated	✓	<u>CIRCLES</u> show things to be done	
		Explained	✓		
		Spider diagram	✓		
		Choice made	✓		on SD
	User needs Explored	Who?	-	-	Some evidence gathered. <u>More detail needed</u> (PTO) Questions + reasons ✓ what do answers show?
		What?	-	-	
		Where?	-	-	
	Product Comparison	3 products	✓	-	<u>a little more detail needed</u> <u>This needs more explanation</u>
		Compared	✓	-	
		Trend identified	✓	-	
Design Brief	Stated	✓	-	<u>More detail required</u> <u>relate more to evidence gathered</u>	
Product Analysis	2 products	✓	-	<u>Needs images of products</u> <u>Reasonable</u> - <u>sort out spelling</u>	
	Analysis	✓	-		
D E S I G N I N G	Specification	Detail?	✓	<u>Not too bad</u> - <u>do as a table</u> (PTO)	
	System diagram	Detail?	✓	<u>A little more detail + circuit</u> <u>(banking blocks for top marks)</u>	
	Ideas for circuit	3/4	✓	-	good. <u>propose a part</u>
		Explanation	✓	-	
		Choice	✓	-	
	Development of circuit	Built in circuit wizard	✓	-	<u>You must start with your chosen circuit</u> (PTO) <u>explain final circuit more clearly</u> <u>Send me video so I can see it working</u>
		At least 3 stages	✓	-	
		Final circuit clearly shown	✓	-	
		Demonstrated as working and solves problem	✓	-	
	Development of PCB	At least 3 stages	✓	-	<u>You don't need 1 page for each stage</u> (PTO) <u>Please send video</u> <u>I've sent the Bill of Materials file (BOM)</u>
Final PCB clearly shown		✓	-		
Demonstrated as working and solves problem		✓	-		
List of components		✓	-		
M A K I N G	Planning	Detail?	✓	<u>check and complete - use my website to do PCB etching.</u>	
	Manufacture	Photos of stages	-	-	<u>Some - you must have more!</u> <u>all images need explaining.</u> <u>very important that these are included</u> <u>NEEDS FINISHING</u>
		Annotation	-	-	
		Photo of complete circuit + wires etc.	X	-	
		Photo of component side	X	-	
		Photo of PCB side	X	-	
Problems	Evidence provided	X	-	<u>evidence required</u>	
E V A L	Testing	Tick List	✓	<u>You must put steps in right order</u>	
	Evaluation	What went well	-	-	<u>You haven't got all the processes</u> <u>more detail + evidence of problems</u>
		Problems and solutions	-	-	
Improvements	Made better?	X	-	<u>Describe how you could have made it better + if you started over how could you have designed it better</u>	
	Function better?	X	-		

* PCB checked + seen as working.

- * Evidence of questionnaire having been done? - picture of a selection of completed forms?
 - Put results onto slide 7 with summary.
- * Spec table - for top marks do as a table

Specification point	Reason	evidence from research
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- * Make circuit 1 on slide 20 your chosen circuit and put it as circuit design 2 on slide 16
~~slide 18~~ as you can't really have one of your best developed designs
- * Use the circuit wizard file. to use 'Normal views' of the PCB to show stages of development:
 - You need to explain each stage of development.
 - The final stage in your PPT is not the final one
 - The one on slide 28 is.