

5/1/13

ASQ 2013

UNIT 511		Name: <u>Ismael Mmir</u>		Comment	
				<u>CIRCLED = things to do</u> Shed Alarm <u>(PTO) 1</u>	
C R E A T I V I T Y	Theme choice	Stated	✓	<u>need to explain why theme chosen.</u> (PTO) 2	
		Explained	?		
		Spider diagram	✓		
		Choice made	✓		
	User needs Explored <u>any evidence of doing the questionnaire?</u>	Who?	-	-	<u>Far too brief - need to include for more evidence</u> <u>No need to explain Q results.</u>
		What?	-	-	
		Where?	-	-	
	Product Comparison	3 products	✓	✓	<u>More detail for manufacture</u> <u>Not stated. IMPORTANT</u>
		Compared	✓	✓	
		Trend identified	?	?	
Design Brief	Stated	✓	✓	<u>Little brief - use evidence gathered to back it up</u>	
Product Analysis <u>use slides 11, 12 + 13</u>	2 products	✓	✓	<u>The included guidance slides to help complete this - needs to be a table Do only 2 products</u>	
	Analysis	✗	✗		
D E S I G N I N G	Specification	Detail?	✓	<u>Use the table example on slide 14 - you need to insert more rows</u>	
	System diagram	Detail?	✓	<u>Circuit building blocks would move towards highest marks</u>	
	Ideas for circuit <u>Just be explained</u>	3/4	✓	✓	<u>slides 15 + 16 are not circuits</u> <u>You must have at 3 different well explained possible circuits</u>
		Explanation	✓	✓	
	Development of circuit	Choice	✓	✓	<u>You really need at least 3 well explained steps</u> <u>Which one is it? slide 21 or 22</u> <u>A video of it working is needed</u>
		Built in circuit wizard	✓	✓	
		At least 3 stages	2	✓	
		Final circuit clearly shown	✓	✓	
	Development of PCB <u>I've sent this to you</u>	Demonstrated as working and solves problem	✗	✗	<u>What about the very first PCB with copper fill?</u> <u>A video of it working is needed</u> <u>use the Bill of Materials file (BOM)</u>
		At least 3 stages	✓	✓	
Final PCB clearly shown		✓	✓		
List of components		✗	✗		
M A K I N G	Planning	Detail?	✓	<u>Don't put the same thing for all components - capacitors - right way round</u> (PTO) 3	
	Manufacture	Photos of stages	✓	✓	<u>You don't really need slide 30</u> <u>very important that you have good close ups of these</u>
		Annotation	✓	✓	
		Photo of complete circuit + wires etc.	✗	✗	
		Photo of component side	✗	✗	
		Photo of PCB side	✗	✗	
Problems	Evidence provided	✗	✗	<u>It is important that you have evidence of problems</u>	
E V A L	Testing	Tick List ✓	✓	<u>The tick list must be used to show that the circuit / PCB + final product works</u>	
	Evaluation	What went well	✗	✗	<u>It is important that this is done</u>
		Problems and solutions	✗	✗	
	Improvements	Made better?	✗	✗	
Function better?		✗	✗		

① Make sure font size is the same all the way through.

② I've sent you powerpoint and added some guidance slides.

③ Tips for success - some components need to be one way round - check the right values / colour code etc

IF YOU HAVE A LATER VERSION - SEND IT TO ME