

4/Feb/13

Aug/13

'CIRCLES' show things to do

UNIT 511		Name: David Potter		Comment	
C R E A T I V I T Y	Theme choice	Stated	✓	Good.	
		Explained	✓		
		Spider diagram	✓		
		Choice made	✓		
	User needs Explored	Who?	-	Questionnaire good - summary a little brief though. <u>More evidence needed.</u>	
		What?	✓		
		Where?	-		
Product Comparison	3 products	✓	Read switches don't count as a sensory product - <u>component</u> ! * otherwise good detail		
	Compared	✓			
	More detail → Trend identified	✓			
Design Brief	Stated	✓	Good.		
Product Analysis	2 products	✓	pretty good <u>a little more detail</u>		
	Analysis	-			
D E S I G N I N G	Specification	Detail?	✓	<u>pretty good - (for top marks include evidence for feature need.)</u>	
	System diagram	Detail?	-	<u>Bring the building blocks into this section + relate to circuit design.</u>	
	Ideas for circuit	3/4	3	✓	<u>More detail of how they work</u>
		Explanation		-	
		Choice		✓	
	Development of circuit	Built in circuit wizard		✓	<u>explain relevance of colour LEDs</u> <u>Evidence of circuit working not "circuit proof" as you have put it.</u> <u>- a video would be better</u>
		At least 3 stages		-	
		Final circuit clearly shown		✓	
		Demonstrated as working and solves problem		✓	
	Development of PCB	At least 3 stages		✓	<u>Slide 17 circuit video</u> <u>no video seen</u> <u>Needs a video of PCB working.</u> <u>use circuit wizard BOM file</u>
Final PCB clearly shown			✓		
Demonstrated as working and solves problem			X		
List of components			X		
M A K I N G	Planning	Detail?	✓	<u>good start</u> <u>needs completing</u>	
	Manufacture	Photos of stages		-	<u>(Far too few - where are they?)</u> <u>- too brief.</u> <u>Very important NEEDED</u>
		Annotation		-	
		Photo of complete circuit + wires etc.		X	
		Photo of component side		X	
		Photo of PCB side		X	
Problems	Evidence provided		-	<u>mentioned - but no evidence.</u>	
E V A L	Testing	Tick List	✓	good.	
	Evaluation	What went well		-	<u>Don't leave blanks - you must describe all procedures & say how you know they went well</u>
		Problems and solutions		-	
Improvements	Made better?		-	<u>Try to think of some more soldering perfect?</u> <u>How could the product function better to solve the problem better?</u>	
	Function better?		-		

NOT CHANGED

PTO

There is a fair bit to do here - particularly in terms of the record of manufacture and videos to show that the circuit/ACB/ final circuit actually work - This is the only evidence the examiner will have.