

4 / Feb / 13

Aug / 13

'CIRCLES' show things to do

UNIT 511		Comment	
Name: Jamie Hilton		Bath Temperature Indicator	
C R E A T I V I T Y	Theme choice	Stated	✓
		Explained	✓
		Spider diagram	✓
		Choice made	✓
	User needs Explored	Who?	✓
		What?	✓
Where?		✓	
Product Comparison	3 products	✓	
	Compared	✓	
	Trend identified	✓	
Design Brief	Stated	✓	
Product Analysis	2 products	✓	
	Analysis	✓	
D E S I G N I N G	Specification	Detail?	✓
	System diagram	Detail?	✓
	Ideas for circuit	3/4	✓
		Explanation	✓
		Choice	✓
	Development of circuit	Built in circuit wizard	✓
		At least 3 stages	✓
		Final circuit clearly shown	✓
		Demonstrated as working and solves problem	✗
	Development of PCB	At least 3 stages	✓
Final PCB clearly shown		✓	
Demonstrated as working and solves problem		✗	
List of components		✓	
M A K I N G	Planning	Detail?	✓
	Manufacture	Photos of stages	✓
		Annotation	✓
		Photo of complete circuit + wires etc.	✓
		Photo of component side	✗
		Photo of PCB side	✗
Problems	Evidence provided	✓	
E V A L	Testing	Tick List	✗
	Evaluation	What went well	✓
		Problems and solutions	✓
Improvements	Made better?	✓	
	Function better?	✓	

Good. NB Font size 18 is too large - 14 is the largest to use

a little more evidence!
 Quest outcome carried out + 1
 results + conclusion - evidence of Q?

} good.
 } good

covered areas well but here detail e.g temps things happen at (PTO)

Explain how systems blocks join system diagram to your final circuit.

- needs good evidence
 NO EVIDENCE - needs video

explanation of what is being changed needed. (PTO)
 - needs good evidence

- needs checking - see BOM curz file

good start. (OK)

in all the pictures

bottom of slide 33 needs to be bigger + clear label

needed + clear label

needed + clear label. - make larger

(any attas.?)

(No video of it working)
 VERY IMPORTANT

Try to think of more detail - why do you think it went well

approach to soldering - PCB layout etc
 sound - different sound for each

(temp for each person)

Specifications - state what temp things should happen at
Name software used to design
mechanical etching process.

Development of PCB 1) You have not shown actual final PCB
look at attached cu2 file.

2) You must have a video of the PCB
working.

3) Stages must be individually explained to
show what you are changing.

4) Slides 28 and 29 are not the actual
final design.

The most important thing is that you have
not included any video material to show that
your circuit/PCB/ final circuit actually works