

Aug 2013

CIRCLED = things to do

UNIT 511

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Comment

Baby bath Temperature alarm

|  |                        |  |  |  |  |
|--|------------------------|--|--|--|--|
| C<br>R<br>E<br>A<br>T<br>I<br>V<br>I<br>T<br>Y | Theme choice           | Stated                                     | ✓  | why have you chosen security?<br>could have more detail      |  |
|  |                        | Explained                                  | ✓  |  |  |
|  |                        | Spider diagram                             | ✓  |  |  |
|  |                        | Choice made                                | ✓  |  |  |
|  | User needs Explored    | Who?                                       | ✓  | Need more evidence of problem if possible PTO <sup>2</sup>   |  |
|  |                        | What?                                      | ✓  |  |  |
|  |                        | Where?                                     | ✓  |  |  |
|  | Product Comparison     | 3 products                                 | ✓  | Must have pictures<br>Manufacturing info too vague<br>NEEDED |  |
|  |                        | Compared                                   | ✓  |  |  |
|  |                        | Trend identified                           | ?  |  |  |
| Design Brief                                   | Stated                 | ✓  |  |  |  |
| Product Analysis                               | 2 products             | X  | YOU NEED TO DO THIS<br>look at insetted slides 17+18 |  |  |
|  | Analysis               | X  |  |  |  |
| D<br>E<br>S<br>I<br>G<br>N<br>I<br>N<br>G      | Specification          | Detail?                                    | ✓  | could improve by adding column for evidence from research    |  |
|  | System diagram         | Detail?                                    | X  | IMPORTANT - see slide 21 to show what is needed              |  |
|  | Ideas for circuit      | 3/4  | 3  | ✓  | You really need to say what each circuit does  |
|  |                        | Explanation                                |  | ✓  |  |
|  |                        | Choice                                     |  | ✓  |  |
|  | Development of circuit | Built in circuit wizard                    |  | ✓  | You need to have + stages of development - you start with the final circuit you build<br>screen shots - video needed |
|  |                        | At least 3 stages                          |  | X  |  |
|  |                        | Final circuit clearly shown                |  | ✓  |  |
|  |                        | Demonstrated as working and solves problem |  | ✓  |  |
|  | Development of PCB     | At least 3 stages                          |  | X  | PTO  |
| Final PCB clearly shown                        |                        |  | X  |  |  |
| Demonstrated as working and solves problem     |                        |  | X  |  |  |
| List of components                             |                        |  | X  |  |  |
| M<br>A<br>K<br>I<br>N<br>G                     | Planning               | Detail?                                    | X  | should be working on.  |  |
|  | Manufacture            | Photos of stages                           |  | X  |  |
|  |                        | Annotation                                 |  | X  |  |
|  |                        | Photo of complete circuit + wires etc.     |  | X  |  |
|  |                        | Photo of component side                    |  | X  |  |
|  |                        | Photo of PCB side                          |  | X  |  |
| Problems                                       | Evidence provided      |  | X  |  |  |
| E<br>V<br>A<br>L                               | Testing                | Tick List                                  |  | X  |  |
|  | Evaluation             | What went well                             |  | X  |  |
|  |                        | Problems and solutions                     |  | X  |  |
|  | Improvements           | Made better?                               |  | X  |  |
| Function better?                               |                        |  | X  |  |  |

3 PTO

started off with wrong circuit

② Summative questionnaire → 1 page. must have reasons for questions.

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① I've added slides in to help sort thing out

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③ You need to have some simple temp sensing circuits to start with. - some on my website.

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IF YOU HAVE A LATER VERSION OF YOUR POWERPOINT - SEND IT TO ME - OTHERWISE YOU HAVE A LARGE AMOUNT OF WORK TO DO BEFORE SCHOOL STARTS