

# Design Portfolio

## *Identify the Problem*

A design brief will be given to you in most cases. *1pt*

## *Research*

You need to become familiar with the subject of your problem. Don't go blind into your task. You must use at least 3 sources (books, internet, and experts). This research must be documented and referenced. *3pts*

1. Source: \_\_\_\_\_

Info:

2. Source: \_\_\_\_\_

Info:

3. Source: \_\_\_\_\_

Info:

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## *Criteria*

Your design brief will have these outlined. *1pt*

## *Develop Designs*

You must create at least 3 different solutions to the problem.

Each must be sketched onto a separate piece of blank paper. *3pts*

## *Decide and implement*

Using the following pro/con chart, choose the design that you think will solve the problem the best. (Highlight the design you are choosing) *6pts*

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*Design 1*

*Pro*

*Con*

*Design 2*

*Pro*

*Con*

*Design 3*

*Pro*

*Con*

Create plans for the design that you've chosen. These designs must be more detailed than your initial sketches (i.e. Show more than one side of the device, all lines made with a ruler, all measurements included) *3pts*

*Build, Test & Evaluate*

How did it initially work? What needs to be fixed/modified? *2pts*

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## *Refine/Modify the design*

What changes did you make? (Be specific) Did these changes make your device work better? Why/Why not? *3pts*

## *Testing*

Were you satisfied with the results of the final test? If no how could you have improved your devices performance? *2pts*

## *Follow up*

Each member of the group will fill out the *Self and Peer Assessment form*. If you have anything to say about the group/project that can't be answered with the questionnaire include those comments at the bottom of the sheet. Be truthful with your evaluations and comments. *1pt*

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