

THE DESIGN PROCESS

Compliments of V.Ryan, World Association of Technology Teachers - WATT.

Outlined below are the design sheets you need to complete when following the concise version of the design process.

	DESIGN SHEET	HAND IN DATE
1.	Rich Picture.	
2.	Customer Profile or/and My Client	
3.	Questionnaire. Survey of potential customers.	
4.	Design Problem and Design Brief	
5.	Planning (time chart).	
6.	Existing Products or Product Comparison.	
7.	Health and Safety AND letter (or email) to manufacturer/supplier.	
8.	Ergonomics. Measurements related to your product. (May not be required if ergonomics is included on the research and development sheets).	
9.	Materials - either in the form of a table or as a rich picture OR include specific reference to materials in your research, ideas and development design sheets.	
10.	Individual Research - one or two sheets.	
11.	Model Evaluation, after the manufacture of an accurate model or models.	
12.	Specification (a list of all the important features/functions of your product).	
13.	Ideas (four to six designs). Including detailed notes with each design. Could easily be more than one design sheet.	
14.	Computer Aided Design sheet. Two CAD drawings with notes.	
15.	Development, possibly two sheets. A drawing of your best idea all possible details, joints, circuit, materials, improvements and detailed notes.	
16.	Production Flow Chart. Stages of manufacture, equipment, quality checks.	
17.	Sequence Drawing of manufacture, with notes. You should use your own photographs of your use of manufacturing techniques. This is vital evidence that you have manufactured your project.	
18.	Working Drawing (including parts list).	
19.	Product Testing sheet. Photograph(s) and notes.	
20.	Evaluation. Good aspects and improvements, regarding your product.	