PRODUCT DEVELOPMENT EXERCISE DEVELOPMENT DESIGN SHEET 3

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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THE TAPE MEASURE

Study the sample development page (page 2).

How many of the key areas (page 3)have been mentioned on this sheet? Place a tick against the areas included. (See slide three for key areas)

What grade would you give this development sheet?

WHAT AREAS / TECHNIQUES NEED TO BE INCLUDED ON THE FOLLOWING DEVELOPMENT SHEETS?



NAME:

SHEET 3



ANTHROPOMETRICS AND ERGONOMICS

HEALTH AND SAFETY ISSUES **DISCOVERED AND RESOLVED?**

METHOD OF CONSTRUCTION MODEL AND REAL PRODUCT

MANUFACTURING PROCESSES INJECTION MOULDING ETC....

MATERIALS **PROPERTIES OF MATERIALS**

> DISASSEMBLY **OF PRODUCTS/** MODELS

EVIDENCE PHOTOGRAPHS IN REAL TIME AS YOU WORK **VIDEO CLIPS**

MODELS AND PROTOTYPES 2D AND 3D **ONGOING TESTING EXPERIMENTATION**

> ENVIRONMENT LIFE CYCLE **SUSTAINABILITY**

COSTS TO MANUFACTURE PRICE TO CUSTOMER

REFER TO SPECIFICATION REGULARLY CHECK YOU ARE KEEPING TO THE SPECIFICATION

SKETCHES **EXPLODED VIEWS** COLOUR RENDERED ILLUSTRATIONS SECTIONAL VIEWS ORTHOGRAPHIC CAD COMPUTER AIDED DESIGN

SIZES LENGTH, HEIGHT AND DEPTH

CUSTOMER / **CLIENT VIEWS**

VIEWS OF OTHERS

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SOLVED ANY PROBLEMS? WHILE SKETCHING / MODELLING

STYLE / AESTHETICS

DIFFERENT IDEAS VALID IDEA? DEAD END?

EVALUATE IDEAS

FOUND ANY PROBLEMS? WHILE SKETCHING / MODELLING