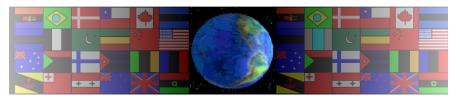
PRODUCT DEVELOPMENT EXERCISE DEVELOPMENT DESIGN SHEET 5

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet.

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PRODUCT DEVELOPMENT EXERCISE PAGE FOUR

THE TAPE MEASURE

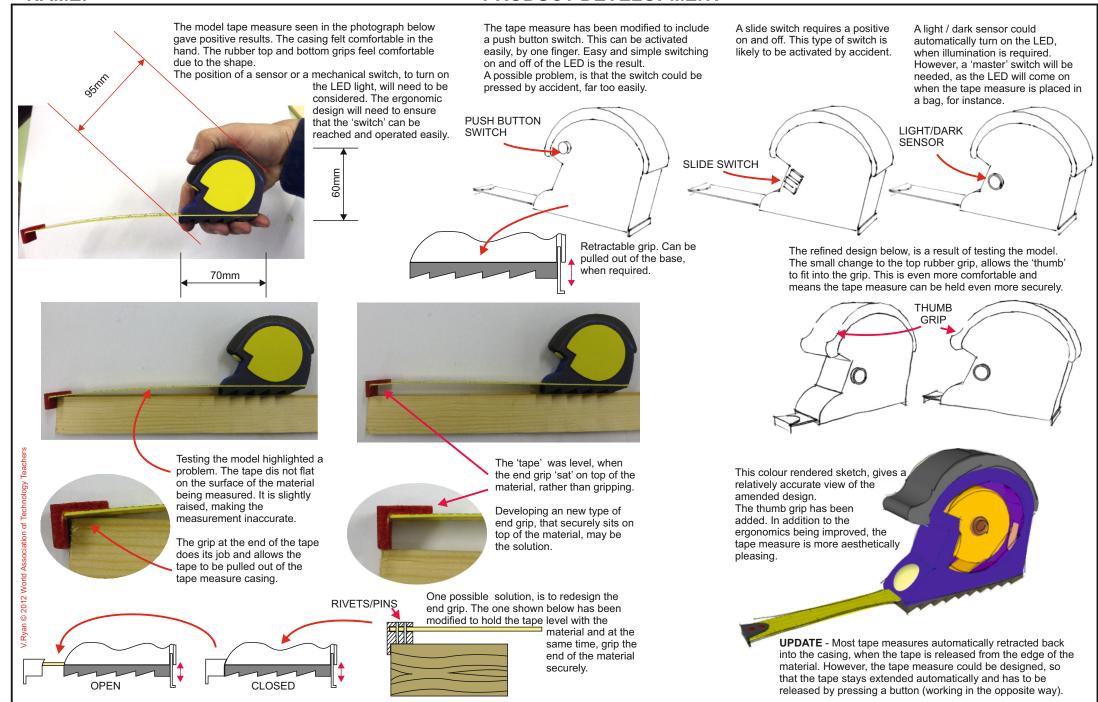
Study the sample development page (page 2).

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?



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

CUSTOMER / CLIENT VIEWS

STYLE / AESTHETICS

DIFFERENT IDEAS VALID IDEA ? DEAD END?

EVALUATE IDEAS

FOUND ANY PROBLEMS? WHILE SKETCHING / MODELLING

PRODUCT DEVELOPMENT SHEETS

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SOLVED ANY PROBLEMS? WHILE SKETCHING / MODELLING

EVIDENCE
PHOTOGRAPHS IN REAL TIME
AS YOU WORK
VIDEO CLIPS

VIEWS OF OTHERS

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