

Technology Lesson Planning Sheet

version :7.3

24-May-04

Teacher	S Nicholson	Subject	Sustainable Habitats (Project 3)
Teaching group	10L/M	BromCom Code	

(if different from teaching group label)

Day	Monday/Friday	Date		Lesson No. :	16-18 of 33
Topic	Development and Modifications	NC ref / SoW ref:		Key Stage 4	

Learning Objective(s) (by the end of this lessons pupils should understand / know / be able to...)

be aware of the need for modelling and seeing things in three dimensions when designing
 know how to use card to make a 3D model of their design ideas
 understand how the model can be used to provide formative evaluation of designs
 Compare the difference between a "test" model and a finished "promotional model"
 Understand the relevance of mechanisms and motion in the relation to the project.

Special Needs / differentiation

All must... drawing. Complete mechanisms worksheet.
 Most should drawing. Complete mechanisms worksheet
 Some should some should in addition act as peer mentors to assist the team.

Literacy		I.C.T.		Numeracy	
Annotation	y	CAD	o	Averages	o
Answering Q in full sentences	y	Databases	o	Calculations (general)	o
Crossword / Wordsearch	y	Internet use	o	Graph drawing: scales	o
Keywords	y	Spreadsheets	o	Interpreting Data	o
Labelling diagrams	y	Word Processing	o	Measuring	y
Reading books / worksheets	o	Other	o	Other	o
Writing frames	o				
Other (give details)					

Starter Activity

Write the Homework in your diary
 Get out last week's homework
 Review neighbour's homework and adjust your own (add and/or modify accordingly)

Homework Complete a three dimensional (sensitively) coloured rendering to promote your design

Due in : Next week

Main Lesson Activities

Homework check. Review last week / session topic
 complete orthographic drawing and photocopy same. Produce a development in light card to test out the form. Check for errors and need for modifications
 Using a RED pen, correct a copy of the original orthographic drawing accordingly.
 Single period: cover issues relating to mechanisms - LOCI and the drawing of movement in relation to wind-mills, linier to circular, pivots, levers and gearing ratios.
 Students to tie tag and hand in all course-work for formal assessment.

Plenary Recap learned techniques & concepts. Discuss what will be necessary for the making of a

Learning Checks / assessment & summary

Discussion with pupils	y	Q/A session with whole class	o
Looking at folders / written and sketched work	y	Test	o
Practical outcome	y		
Other			

Evaluation of the lesson may be found on the reverse of this lesson plan Key: o = possible, y = included, ? = may be