

# Technology Weekly Lessons Plan

version :1.2

24-Aug-04

<b>Teacher</b>	<b>S Nicholson</b>	<b>Subject</b>	<b>GCSE Exam Final Project and Exam Prep</b>
<b>Teaching group</b>	<b>11C/D</b>	<b>BromCom Code</b>	

(if different from teaching group label)

<b>Day</b>	Monday/Friday	<b>Date</b>		<b>Lesson No. :</b>	<b>37-39 of 54</b>
<b>Topic</b>	<b>Orthographic drawing</b>	<b>NC ref / SoW ref:</b>		<b>Key Stage 4</b>	

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

Understand how to translate drawn ideas into appropriate modelling materials

Identify the processes that will be required to turn materials into a model

Understand that additional time will be required to produce sufficient evidence

0

0

## Special Needs / differentiation

All must... All must: Have produced appropriate dimensions for their idea and begun an ortho. Drawing

Most should Most should: Complete drawing to a reasonable standard

Some should Some could: Have begun to interpret drawing into model planning, identifying materials and methods

Literacy		I. C. T.		Numeracy	
Annotation	y	CAD	o	Averages	o
Answering Q in full sentences	o	Databases	o	Calculations (general)	o
Crossword / Wordsearch	o	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

Collect project work, equipment and materials ready for the lesson

Continue with 'development' of solution - rendered drawings

0

## Homework

Suitable orthographic drawing exercise taken from a past paper

Due in : next week

## Main Lesson Activities

Pupils should have identified dimensions for their 'final' design(s)

Revise concept of scale - some will need considerable support to arrive at acceptable sizes for drawings

Produce rough sketches of two/three views selected (some may require squared paper here). Produce 3rd angle ortho. Drawings of final idea.

Emphasise quality of linework, consistency of view information. Complete making use of dimensions techniques and centre lines.

This activity will prove very difficult for some pupils. It may be useful to begin model planning as a parallel activity and to provide some 'light relief' and an opportunity for some pupils to focus on a more straightforward task while waiting for one to one support

**Plenary** Plenary - to be confirmed

## Learning Checks / assessment & summary

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