

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. :	4-6 of 33
Topic	Resarch Info & Context	NC ref / SoW ref:			Key Stage 4

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

Compare different architectural styles and discuss their merits

Analyse planning constraints and decide how they will affect habitat design (info from SBC Planning Office)

Analyse the significance of the "Golden Section / Mean" - ratio 1 : 1.618 and "symmetry" in good architectural design

Review the use of various materials and construction methods

Determine the type of house you would prefer to work with in their project

Special Needs / differentiation

All must... all should choose a type of habitat to design

Most should most should choose a type of habitat to design and recognise some planning constraints

Some should some should choose a type of habitat to design, choose a style and note constraints with a view to prompting the idea

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

Starter Activity

Write the Homework in your diary

Get out last week's homework

List and/or thumbnail sketch (in the context of habitat and completed homework) all the different strategies

Homework Complete and amend a question paper with Family and Friends about the impacts of Global Warming, for graphic presentation of Graphs and charts

Due in : next week

Main Lesson Activities

Homework check. Review last week / session topic

Gallery review of last weeks homework - produce a collective notation of observations re. "habitats" from different parts of the world

Look at Architectural styles and planning constraints. Paired work on types of home - feed back to whole group and analyse requirements of each type

Reinforce the use of conjunctions in reasoned full sentences (because, however & therefore). Pupils to choose type of home that they will focus on for their project.

Possibility - receive visit from David Potter, Planning Officer, to provide liaison and research input

Plenary Discuss which types of habitat are preferred by the group - small group Q+A session on

Learning Checks / assessment & summary

Discussion with pupils	y	Q/A session with whole class	y
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