

Exams are getting near and YES, it's time to start revising! **Coursework will be due to be completed for MONDAY 22 March 2004.**

This Product Design Update will guide you towards what you should know for the exam and give examples of questions, information and suggestions about how to answer exam questions.

It's never too late to revise !

Its WHAT you revise thats important !

What is Product Design?

Design has a great impact on our lives. Every product and service, from high-tech products, such as mobile phones, cars and computers, to the more ordinary consumer products such as table lamps, doorknobs and packaging, has some element of design.

There are FOUR main areas of Product Design

that you will cover: **Developing Designing and Making skills**

Knowledge of Materials and Components

Understanding Design and Marketing

Processes and Manufacture

GCSE



Within the four areas above, you must know the following:

Designing and Making Skills

Basic Sketching techniques
Shading, Surfaces & Textures, Colour and Mood
Perspective
Working Drawings (Orthographic)
CAD (Computer Aided Design)
CAM (Computer Aided Manufacture)
Sketch Modelling

Design & Marketing

Design Ideas
Product Analysis
Social Responsibility
The Environment
Why people buy products
Consumers
Design Considerations
Labels
Health & Safety
Choosing best materials to use

Materials & Components

Paper and Board
Woods
Manufactured board (MDF)
Metals
Plastics
Mechanisms

Processes & Manufacture

Hand tools
Machine tools
Jigs, Moulds and Templates
Deforming
Reforming
Fabricating (Screws, Nuts,
Bolts, Nails, Rivets. Adhesives)
Joints
Finishing
Packaging and Waste
Scale of Production
Manufacturing Systems
Control Systems and Feedback
Quality Control and Assurance

Revision of the above will take place over the four weeks before your exam study leave starts