

KS3 Y9 DT CURRICULUM OVERVIEW

SUBJECT: DESIGN TECHNOLOGY

PROJECT 1
Time piece –
Avoiding design
fixation and CAD/CAM

Topics being taught

Introduction to the work of designers - Vitra DESIGN - Designing and producing a clock based on the works of the design company Vitra Concept idea generation and development (speed sketching) CAD/CAM knowledge and understanding to aid the development and manufacture of design(s), prototypes and final product.

Writing a design Brief.
Secondary research combined with analysing the work of designers and iconic products. Present design work with creativity, skill and clarity of communication.
Writing a Specification
Presentation through the use of a mini portfolio

What you will be assessed on

Quality of final manufactured product(s) using CAD/CAM
Knowledge of tools, materials and processes of manufacture.
Designing and presentation skills based on Vitra shapes.

Portfolio of evidence to include investigations, design, development and manufacture of products.
Knowledge and understanding of Vitra Design, including designers and companies.

How you can support at home

Appropriate drawing equipment required
Support Home learning tasks linked to project.

Visit Red Brick Mill in Batley, Leeds.

Topics being taught

Secondary/Primary Research – Existing Products/Work of others for Inspiration.
Detailed Product Analysis/ client Profiles.
Dieter Rams 10 principles of good design.
Concept Idea generation using inspiration sketching to achieve originality

Development through CAD/CAM/styrene modelling – developing iteratively producing a variety of outcomes
Designing sustainably
Evaluating
Scale/size modelling and prototyping

What you will be assessed on

Quality of final manufacture prototype
Use of inspiration to creatively design
Knowledge and understanding of Dieter Rams 10 principles of good design

Quality of design presentation.
Knowledge of tools, materials and processes of manufacture.

How you can support at home

Support Home learning tasks linked to project.

Appropriate drawing equipment required

