

ESIGN TECHNOLOGY



specialist knowledge Revise and practice exam papers in preparation for your final exam in DT.

AO3:Testing and Evaluation Compare with existing product, Ask the user for Feedback, Test against the Specification



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Manufacture your

product using skills

and processes

used throughout

your DT journey. Design. Reference key

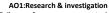


Develop your sketches and communicate ideas. Developing them using modelling techniques

Develop Design Ideas:



AO1: Specification & Brief: Clarify the needs and wants of the project writing your own brief & specification



Follow on from your summer task to further understand the context. Client interviews, product, site analysis and designer research





Initial Concept Sketches: What ideas do you have already? Can you visualize



Investigate the

design

possibilities:

What is the

design context?

Eco Friendly Fabrics

Fibres **Smart and Modern Fabrics**

Investigate: Find out how Fibres and Fabrics are Made

Fibres and **Fabrics** Task

FINAL

GCSE

EXAM

Organic

Design:

Focus your idea on the

work of famous

designers, use

architecture or product

design as inspiration

EXAM REVISION

Use a wide range of tools and processes to produce your final product. You decide!

Materials:

What materials will be

appropriate for your

product? What materials

are sustainable?

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Make:

to develop a

design movements top stylish functional

Designing for children

How do we make a

product fun, educational

and safe?

Design:

Materials / Make: Use materials you have not

Use various testing combined before such as polyester wadding to develop a unique 3D stylized product

and modelling methods to develop your product

NEA

COURSEWORK

Testing / Modelling: Will my product work? What can I do to improve it?

GCSE NEA CONTEXTS

Iterative Testin

Modelling:

What research can you carry out to gather ideas?.

YEAR

Develop Dressmaking Skills: Learn how to work French Seams Gathers , Bias Binding Make:

Use a wide range of skills, materials and processes to develop your unique product. **Use Sublimation** Dyes and the Heat Press to produce

your own print.

Learn Dressmaking skills on a small scale

Garment

Design

and

Make

Project

Develop your design through iterative testing & evaluating before making a final product

Baby Dress Project

Design: Make: Using CAD Using CAD techniques to

develop design ideas for a processes and modelling, cushion with Laser Cut component

Pyjama

Eater

Project

Laser Cut Cushion

Project

Making Skills: Accurate seams hems,

buttonhole, zip insertion, pleats, gathers using Practicing how to develop machines and tools independently?

techniques for decorating

Basic Textile

Skills

Materials: Working with different types of fabrics. Working properties

and recognizing materials.



Investigate: Sewing paper tern markings and meanings

Make:

Printed

Pyjama

Project

Develop Making Skills Work with Stretch Fabric



Make:

-Pinning, accurate cutting out. Developing skills to produce high quality

Designing : CAD :

Develop a range of Graphic Design skills using Photoshop and Adobe CAD programs,



Graphic ommunication

aper and Board

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Materials: Timbers - hard woods and softwoods, why do

options in year 8. focus vour studies in GCSE DT in years 9 11, through exciting, real life projects. Deepen your understanding of DT in the world around us whilst developing products that help various

needs and

users.

Work in more depth on

projects, honing your practical skills,

improving your

resilience &

problem

solving whilst

developing

independence

in the

workshop

After choosing

Environmental Effects of Textile Production **Child Labour** Fair Trade Princip

Recycled Soft Toy Project

Evaluate:

At each stage of making, how can you improve your product? Would you change any thing?



make complex design ideas. Materials:

Design: Designing for a user and client.

Materials:

Working with acrylics,

paper, board, cutting

and finishing

Make: Develop independence in CAD using 2D design software to

Design:

Designing for users

Rendering

CAD design

development

What is an isometric projection? Develop design ideas using CAD.

Design: CAD

What is computer aided design? Learn to use

the basics of 2D

software to design

products

we use them?

Charging Station Project

Evaluate:

How has CAD

/ CAM

helped you

Mobile Phone

#:#=

Make:

Thermo - Forming Shaping manufactured boards asic circuitry and soldering

Design:

Designing with restrictions Orthographic Projection &

Materials: Polymers Classification

What is a polymer? What is a circuit?



Evaluate:

What makes a good warning sign? How can you improve your skills?



Warning Sign Project

Materials:

Working with timbers

and plastics



Evaluate: Does your product work? How can you fix problems?

Design,

Make and Fly a Kite **Project**

CAD

/CAM

Project



Fibre and Fabric Classification.

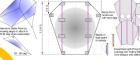
Where does Rip-Stop Nylon come from?

Baseline Assessment:

Baseline Assessment: Fibre and Fabric Classification.



know about DT?



Make

your final product!

What is CAM? Use the make a

laser cutter to produce product?

Introduction to

Experience a wide range of fun and exciting projects that teach vou valuable skills in the workshop, understanding different

how they work

