GCSE Product Design

YEAR 11

Revisit key topics & materials with retrieval practice
Pop quizzes
Exam language preparation
Exam question practice
Practice Makes Perfect
Written Exam
GOAL
Prototypes & CAD models
Write the design specification
Brainstorming product ideas
Building client profile
Start of coursework
Non-examined Assessme.
Energy generation & storage
Developments in technology
Problem solving & being innovate designer
Drawing skills & accuracy
Health and safety
Manufacture the final product
Plan of manufacture & materials
Client feedback & finalising design
Designs & design development
Research into briefs & products
Research into briefs & products
D&T Maths question practice
Designers and design movements
Electronic theory & practical skills
Timber theory & practical skills
Textiles theory & practical skills
Paper theory & practical skills
In depth Timbers & Textile specialism Theory
Lino Carving
Textile Wall Art
Embroidery Skills
Repeat pattern making with lino
Health & safety
Select and apply appropriate finishing applications
Create a wooden product to improve their practical skills
Select and apply correct equipment to use
Use machinery safely and accurately
Timber theory
Develop Computer Aided Design skills
Knowledge on electronic systems
Create a electronic lamp
Soldering practical skills
Plastic Practical Techniques
Making 3D Nets
Plastic Theory
Health and safety
Problem solving skills
Maths, measuring & drawing skills
Design floor plans
Improve accuracy and attention to detail
Graphic Design for companies
Logo creating
Team work
Computer skills

YEAR 10

GCSE Product Design

Textiles

Develop their in depth knowledge on textiles
Fast Fashion & sustainable responsibilities
Plastic theory & practical skills
Metal theory & practical skills
Sustainable design
CAD CAM & manufacturing techniques
Learn and practice wooden joints & joining methods
Develop in depth knowledge on timbers
Design their own creative ideas

YEAR 9

Product Design

Electronics

YEAR 8

Resistant Materials

Engineering & Architecture

Metal Theory
Practical skills
Developing resilience and confidence
Create a wooden Plane
Wooden practical skills
Develop their problem solving skills
Electronic equations
Drawing and rendering skills
Textiles and material theory
Tie Dying & pattern cutting
Textile practical skills
Design their own creative ideas

YEAR 7

Textiles & Graphics