DESIGN & TECHNOLOGY LEARNING JOURNEY

YEARS 9 - 11

Sixth Form?
College?
Apprenticeship?

GCSE EXAM

GCSE NEA (course work) hand in

Revision for the exam

Photographs of final outcome

Evaluation of making and suitability

Making of the protype

Risk Assessment

Completion of the prototype

Testing the final product

Completion of NEA folder

Material Order

CAD drawings

Card modelling

Client feedback& review ideas

Production planning

Mock exam

Final Design

Design development

Initial ideas

Specifications

YEAR 11

Product Evolution

Production Techniques

CAD/CAM

Manufacture of Bottle Opener

Metals

Identifying and evidence of a problem

GCSE NEA introduced

Client Profile & investigation

Generation of power- fossil, renewable, Biofuel, nuclear power

Polymers

Smart & Modern materials

Design Movements

Exam questions practice & mock

Introduction to the assessment brief

CAD / CAM

Environmental, Social & Moral issues

Specifications & 3D Drawing

Wood joints

Properties of woods

Seasoning of wood

Categories of Woods

Task Analysis & Client Profile

Scales of production- one-off / batch/mass /continuous

Wood finishes

Manufacturing of storage box

Stock forms & Components

Life cycle

Sustainability

Product Analysis

Keywords

Design Brief

Mechanical devices topic

Responding to a Design Situation

Creation of design ideas

Using tools & machinery & QC

Completion of the product – painting & plan of making

Environmental Issues

YEAR 10

Baseline Assessment

Literacy – Keyword & Spelling test

Drawing techniques - Isometric

Numeracy – Applying measurements

Assembly of product components

Evaluation of the final design and redesigning the product in the style of a Design Movement

Decoration and finishing

Evaluation and Extension tasks

Using Hand tools and machinery

Intro to woods

Design ideas

What is Technology

YEAR 9

Cutting and shaping material

Templates and Jigs

Material Properties & Final Design

Health and safety

welcome

" Creativity is intelligence having fun" Albert Einstein