

KS5 and more!

EXAM

Revision

Continuation from y10 - Design Brief, Design Specification, Idea Generation, Idea Development, Prototyping, CAD/CAM, Planning, Making and evaluating

NEA

Year 11

Non-Exam Assessment - Secondary and primary research, Product Analysis, Task Analysis, Surveys, Client Interviews

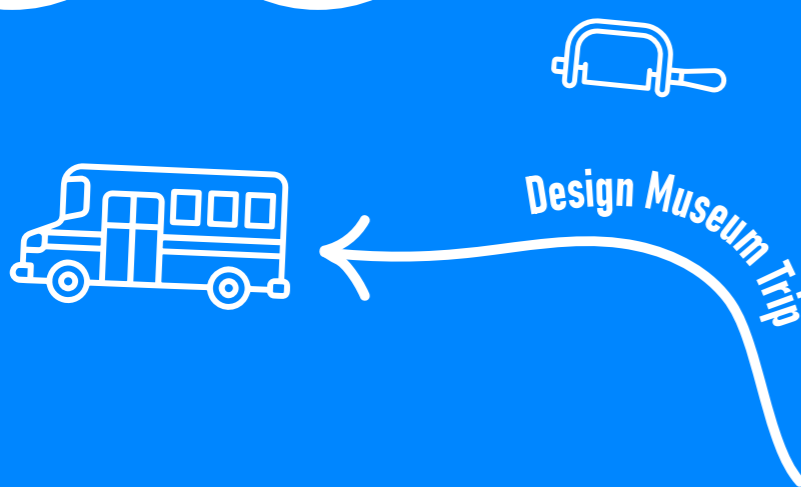
NEA

KEY PRINCIPLES OF THE GCSE

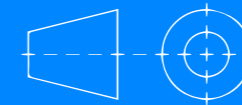
PROBLEM SPOTTING
ITERATION
EVALUATION
USER LED DESIGN
PROTOTYPING
PRIMARY RESEARCH
CLIENT FEEDBACK
PROBLEM SOLVING

CAREERS AND CROSS CURRICULAR LINKS

SCIENCE
MATHEMATICS
BUSINESS
PHYSICS
ENGINEERING
PROJECT MANAGEMENT
MARKETING
PRODUCT DESIGN
RESEARCH



Design Museum Trip



Planning drawings, Orthographic Drawing, H&S, Marking Accuracy, Cutting, Kerf Allowance, Comb Joint, Routing, Sanding, Finishing, CAD

Design Ventura Competition

Live Design Competition, Practice NEA skills, Responding to a Brief, Design Generation, Prototyping, Iteration, Pitching Ideas, Group Working

Polymers

Sources, Extraction, Ethical and Environmental factors. Stock Forms, Specific Polymers, Properties, Uses, Forming and Finishing

Hodge Podge Box



Forces & Stresses, Improving, Functionality, Eco & Social, Footprint, The 6Rs, Scales of Production



Specialist Technical Principles

Papers & Boards Woods Metals Polymers Textiles - Properties and Applications

Materials & properties

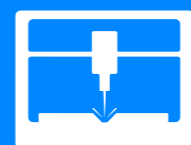
Energy Storage & Generation, Modern, Smart & Composite Materials, Systems, Electronics, Mechanical Devices

Energy, Systems and Devices

Industry, Sustainability, People & Culture, Production Techniques, Design Decisions

New and Emerging Tech

Year 10



GORDON'S D&T
KS4 CURRICULUM MAP