



YEAR 11 DESIGN TECHNOLOGY



THE JOURNEY OF LEARNING

Intent

Core technical principles covers core technical principles, and all content must be taught. Specialist technical principles covers specialist technical principles where students will go into greater depth. Each principle should be taught through at least one material category or system. Designing and making principles covers design and making principles and all content in this section must be taught. These principles are covered throughout every 'DMA' and cover the following content: investigation, primary and secondary data environmental, social and economic challenge the work of others design strategies communication of design ideas prototype development selection of materials and components tolerances material management specialist tools and equipment specialist techniques and processes

Year 12 Summer Preparation

EXAM



Year 11 Summer Term 2

SPECIALIST PRINCIPLE: ecological and social footprint. Sources and origins.



SPECIALIST PRINCIPLE RECAP: Selection of materials or components using and working with materials, stock forms, types and sizes, specialist techniques and processes, surface treatments and finishes.



SPECIALIST PRINCIPLE: Scales of production



Year 11 Summer Term 1 Knowledge Recap

SPECIALIST PRINCIPLE: Forces and Stresses

CORE PRINCIPLE: 1.4. Systems approach to designing



CORE PRINCIPLE: 1.2. Energy, materials, systems and devices



Year 11 Spring Term 2



CORE PRINCIPLE: 1.1. New and emerging technologies



Life Cycle Analysis

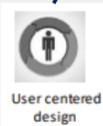


CORE PRINCIPLE: 1.3. Developments in new materials



Year 11 Spring Term 1 Core Principle Recap

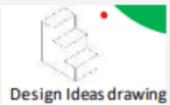
Non-examined Assessment (Design and Manufacture)



User centered design



Product testing and analysis



Design Ideas drawing



CAD design



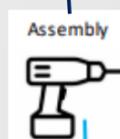
Iterative Design



Risk assessment

Non-examined Assessment (Design and Manufacture)

Year 11 Autumn Term 2



Assembly

AQA GCSE (8552) DESIGN AND TECHNOLOGY

CAREERS IN DT-Design and Manufacture

Cultural Capital: creates the curiosity and confidence to make connections between the past the present and the future

Year 10



DIRT

MOCK EXAM

Cultural Capital

Careers Related

Literacy Focus