THE JOURNEY OF LEARNING

YEAR 10 DESIGN TECHNOLOGY

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 11 Summer Preparation

DIRT

MOCK EXAM

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

AO1:Research & investigation:
Follow on from your summer task to further understand the context. Client interviews, product, site analysis and designer research.

Year 10 Summer Term 2

Initial concept sketches
What ideas do you have already? Can you visualize them?

SPECIALIST PRINCIPLE:
Scales of production

Year 9 Summer Term 1 NEA coursework (50%)

DESIGNER LIGHTING DMA

NEA CONTEXTS
What is the design context?
What research can you carry out and gather ideas?

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

Materials/Make:
Use materials you have not combined before such as concrete, acrylic and timber to develop a unique stylized product

Evaluate:
Evaluation against the specification. Consumer testing

SPECIALIST PRINCIPLE:
Forces and Stresses

Design:
Reference key design movements top to develop a stylish functional product

Year 10 Spring Term 2

DESIGNER LIGHTING DMA

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

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

Testing/ Modelling:
Use various testing and modelling methods to develop your product

Year 10 Spring Term 1

CHARGING STAND DMA

CORE PRINCIPLE:
1.4. Systems approach to designing

CORE PRINCIPLE:
1.3. Developments in new materials

Design:
Designing for a consumer. How do we make a product unique for a chosen consumer?

Materials:
What materials will be appropriate for your product? What materials are sustainable?

CHARGING STAND DMA

Year 9 Autumn Term 2

CORE PRINCIPLE:
1.1. New and emerging technologies

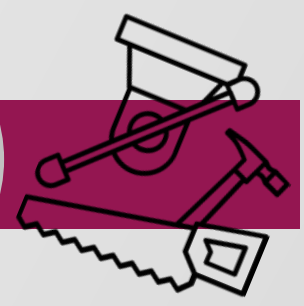
CORE PRINCIPLE:
1.2. Energy, materials, systems and devices

AQA GCSE (8552) DESIGN AND TECHNOLOGY

CAREERS IN DT- New emerging technologies

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

Year 9



DIRT | **MOCK EXAM** | Cultural Capital | Careers Related | Literacy Focus