

Key

Key Aims:

To embed and develop knowledge learnt during KS4

Improve subject knowledge and make the link between **Product Design** and the Real World

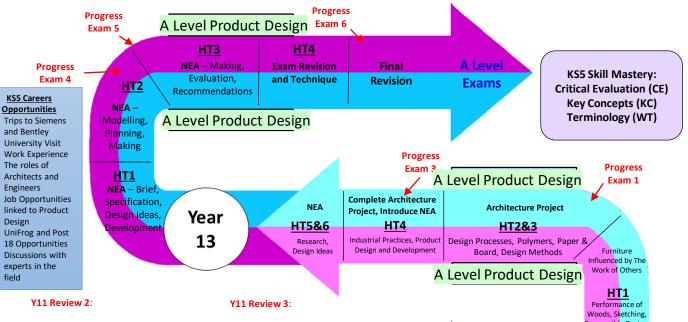
Stage 5

KS5 Careers

Opportunities

- The roles of Architects and

Sandbach School **Design and Technology Curriculum**



Final Revision

Key Stage 4

Key Aims:

To embed and develop knowledge learnt during KS3

- Demonstrate a range of skills practical, CAD/CAM, planning and developing
- Be able to Research and understand the needs of the user
- **Improve** subject knowledge and explain the use of Materials and **Processes**

Key Stage 3

Key Aims:

Gaps in National Curriculum

- Practical Expertise
- Make high quality prototypes
- Use specialist tool, techniques and processes
- Range of Materials
- Taught how to cook - range of techniques

Y11 Review 1:

Links to Designers and the work of

KS4 Careers

- others Literacy and Presentations on Careers
- Discussion and Materials and Processes in Industry

Y9 Depth Curriculum: Yr 9 students develop a detailed knowledge and understanding about the characteristics, working properties and processes linked to key materials i.e. HT1 woods and metals and casting, HT2 Technical drawing skills, and HT5/6 **Product** prototyping, testing and sustainability

Yr 7 Careers

Introduction to Careers in D&T

about Careers

Development Sketching Year HT6 Sketchup/NEA NEA – Research Prep – Design techniques 11 and Design Ideas and long movements and amous designers answer Y9 Review 3 Yr9 Breadth - Where Yr7 & 8 receive an

Exam Revision

Technique

<u>HT3</u>

NFA -

Evaluation

HT2

NEA - Making

NEA – Design

Ideas,

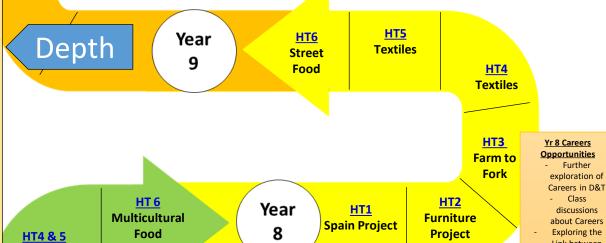
Breadth

Packaging

Healthy Food & Food

provenance

introduction to foundation knowledge skills. Yr9 broaden their understanding by applying this knowledge to a focus practical tasks involving the entire design process from product conception to evaluation. Focus on personal organisation, time management, understanding key principles of marking out, cutting and finishing techniques.



HT2

Sustainability

Opportunities

(This builds on

related topics &

knowledae

introduced in the

Yr 7 and Yr 8

schemes).

Understanding the Link Between D&T

HT1 My World

Project)

Year 7

Key Stage 2 Curriculum Identifying word types Root words, prefixes, suffixes

exploration of

Class

discussions

about Careers

Exploring the

Link between

D&T and

Industry

- - Morphology, etymology Thematic links between Drawing inferences Summarising ideas Understand wide range of texts

By the end of KS5, students should be able to:

- **Produce** extended and in-depth NEA that demonstrates a practical outcome for a real life problem
- Work alongside a Client
- **Explain** Materials and **Processes in** depth

Year

12

Alongside half termly projects students will study the theoretical knowledge taken

from the AQA specification, which is

highlighted on the DT block plans.

HT2 & 3

Plywood

lamp , google

SketchUp -

Electronic

Year

10

stems

HT1

Practical Skil

1,2 &3 -

Designing

Principles

Making

Properties

GCSE

Exams

By the end of KS4, students should be able to:

- **Produce NEA** that has fulfilled the requirements of the Exam **Board and met** the needs of a user
- Explain a range of **Materials and Processes**
- Made the link between D&T in the Workshop and the Real World Demonstrate a
- range of skills and problem solve

By the end of KS3, students should be able to:

- **Produce** creative ideas
- Have an understanding of how **Designers**

work

- **Understand** elements of the Design
- **Process** - Have experienced some practical activities