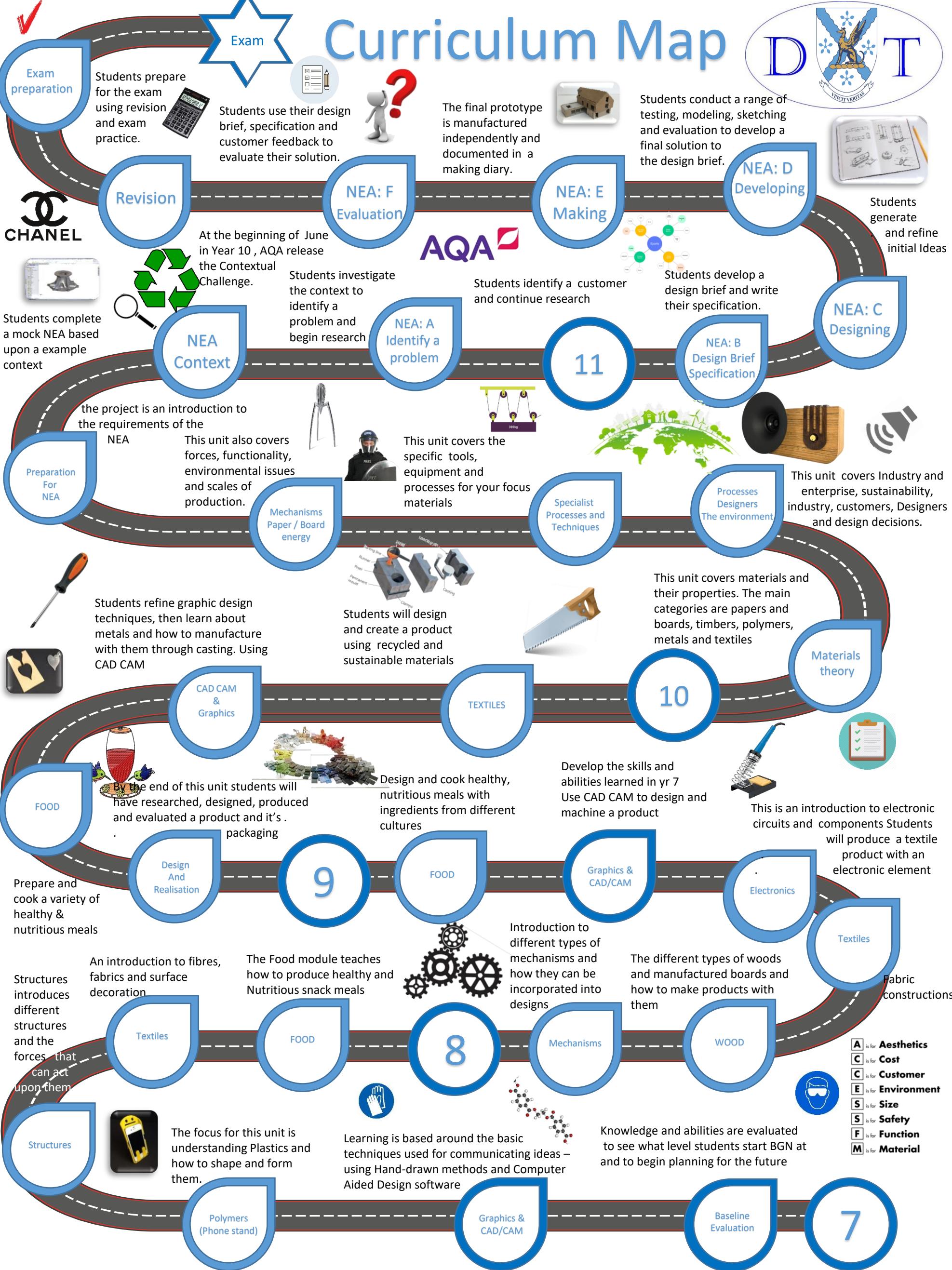


Curriculum Map



Exam preparation

Students prepare for the exam using revision and exam practice.

Exam

Students use their design brief, specification and customer feedback to evaluate their solution.

Revision

At the beginning of June in Year 10, AQA release the Contextual Challenge.

CHANEL

Students complete a mock NEA based upon a example context

NEA: F Evaluation

Students investigate the context to identify a problem and begin research

NEA: E Making

The final prototype is manufactured independently and documented in a making diary.

NEA: D Developing

Students conduct a range of testing, modeling, sketching and evaluation to develop a final solution to the design brief.

Students generate and refine initial Ideas

NEA: C Designing

Students develop a design brief and write their specification.

NEA: B Design Brief Specification

Students identify a customer and continue research

NEA: A Identify a problem

Students identify a customer and continue research

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Preparation For NEA

the project is an introduction to the requirements of the NEA

Specialist Processes and Techniques

This unit covers the specific tools, equipment and processes for your focus materials

Mechanisms Paper / Board energy

This unit also covers forces, functionality, environmental issues and scales of production.

Processes Designers The environment

This unit covers Industry and enterprise, sustainability, industry, customers, Designers and design decisions.

CAD CAM & Graphics

Students refine graphic design techniques, then learn about metals and how to manufacture with them through casting. Using CAD CAM

Materials theory

This unit covers materials and their properties. The main categories are papers and boards, timbers, polymers, metals and textiles

FOOD

By the end of this unit students will have researched, designed, produced and evaluated a product and it's packaging

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Design And Realisation

Prepare and cook a variety of healthy & nutritious meals

FOOD

The Food module teaches how to produce healthy and Nutritious snack meals

Graphics & CAD/CAM

Develop the skills and abilities learned in yr 7 Use CAD CAM to design and machine a product

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Electronics

This is an introduction to electronic circuits and components Students will produce a textile product with an electronic element

Textiles

Fabric constructions

Textiles

An introduction to fibres, fabrics and surface decoration

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FOOD

The Food module teaches how to produce healthy and Nutritious snack meals

Mechanisms

Introduction to different types of mechanisms and how they can be incorporated into designs

WOOD

The different types of woods and manufactured boards and how to make products with them

Structures

Structures introduces different structures and the forces that can act upon them

Polymers (Phone stand)

The focus for this unit is understanding Plastics and how to shape and form them.

Graphics & CAD/CAM

Learning is based around the basic techniques used for communicating ideas – using Hand-drawn methods and Computer Aided Design software

Baseline Evaluation

Knowledge and abilities are evaluated to see what level students start BGN at and to begin planning for the future

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- A** is for **Aesthetics**
- C** is for **Cost**
- C** is for **Customer**
- E** is for **Environment**
- S** is for **Size**
- S** is for **Safety**
- F** is for **Function**
- M** is for **Material**