Technology

at Central Lancaster High School





Technology at CLHS

The 'why?'

Design and Technology GCSF (AQA)

AQA

Interest in practical application of technology. An enjoyment of 'doing', making and problem solving.

Hospitality and Catering Level 1/2 (WJEC)

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Central Lancaster High School

A love of food, catering and an interest in the industry wider aspects of the catering industry.

The desire and ability to think creatively and consider other peoples perspectives.



Hospitality and Catering

Exam Board and Method of assessment



Unit 1 The Hospitality and Catering Industry

Unit 2 Hospitality and Catering in Action

Unit 1: Assessment

External assessment (Examination) 50% of final grade

The Hospitality and Catering Industry will be externally assessed.

The external assessment is available in June each year. Centres may choose to enter candidates for an on-screen or paper version.

One 90 minute examination.

Unit 2: Assessment

Internally assessed (Catering practical) 50% of final grade

Each centre must ensure that internal assessment is conducted in line with WJEC controls. There are three stages of assessment that will be controlled:

- Task setting (pupil).
- Task taking (pupil).
- Task marking (school).





Hospitality and Catering Overview of course content

Unit 1: The Hospitality and Catering Industry.

This unit provides a broad introduction to the sector in a way that is purposeful and develops a range of transferable skills.

Pupils learn all aspects of the sector from types of establishment, to front of house operation, to delivery and storage. They acquire knowledge of all aspects of the industry and are able to propose new hospitality and catering provisions for specific locations. They explore different types of establishments and job roles within them to determine the best options for a new enterprise.

They learn, in detail, what front of house and kitchen operations entail on a day to day basis and are able to determine how the proposed hospitality and catering provision could operate efficiently.

Unit 2: Hospitality and Catering in Action

Pupils apply their learning to safely prepare, cook and present nutritional dishes.

They will draw on their learning of different types of provision and kitchen and front of house operations in Unit 1, as well as personal safety in their preparations.

The content is relevant not only to employees within food production, but also those with a responsibility for food safety in the industry, nutritionists and managers and owners.





Hospitality and catering Component unit 1

Understand the environment in which hospitality and catering providers operate.

Analyse job requirements within the hospitality and catering industry.

Know how food can cause ill health.

Describe the role and responsibilities of the Environmental Health Officer (EHO).

Describe the symptoms of food induced ill health.







Hospitality and catering Component unit 2

Understand the importance of nutrition when planning menus.

Explain characteristics of unsatisfactory nutritional intake.

Explain how cooking methods impact on nutritional value.

Understand menu planning.

Explain how dishes on a menu address environmental issues.







Design and Technology

Exam board and method of assessment



NEA (non-exam assessment or coursework) is worth 50%

The exam makes up the remaining 50% and is 2 hours long Tests you in 3 sections:

- Section A Multiple choice, short answers
- Section B A few short questions and a longer question
- Section C Short and Long questions

15% maths questions





Earphone Tidy

Half term 1 sees year 10 complete a quick project to design, make and evaluate an earphone tidy from recyclable plastic. Designed by hand and made using 2D design and the laser cutter the students get a quick intro into most aspects of the GCSE course.

Architecture

During half term 2 we begin to learn about technical drawing. We make hand drawn plans to create a small dwelling for a client based in the Brazilian rainforest. We make architectural models of our plans and create a 3D model on the PC, further developing our CAD skills.

Christmas eve box

In the run up to Christmas we design and make a Christmas eve box to take home as a gift to a family member. Again we learn more about 2D design and laser cut a themed design and message onto the lid of the box, before finishing with sandpaper and varnish.







Mock NEA

After Christmas we have a trial run at the NEA coursework. Applying our knowledge from KS3 and weaving it in with the previous 3 year 10 projects. We work in 6 sections; Research, design spec, initial ideas, development, manufacture and evaluation. It is not a linear process, but an iterative one, preparing the students for year 11.

Theory Topics

We study topics from sustainability and the environment to specialist equipment and the work of previous designers. This is done in exercise books and accompanied by some AQA accredited worksheets — homework is given to enhance knowledge on each topic. Students are given 5 or 6 lessons over the 2 week timetable. The theory lessons are taught alongside the mock NEA as they would be in year 11. Every topic could be covered in the exam, students require a broad knowledge of many topics!







Students complete 10 marks worth of research, primary and secondary.







hammock has room to be stored when not needed

The house is located by the A6 which provides good access. The garden is a wrap around one with around 7 by 9 meres allowing easy space for an 8 ft. hammock stand.

This garden allows sunlight to always hit part of it both when its east or west, meaning the hammock may have to be mobile to make it easier to move into the sun.

The overall aesthetic is very modern farm house style, with loads of stand would compliment this,

The doors to the garden are large (2 metres) which will allow the hammock to easily be moved inside.

The location of the house is nearby a college and bus stops

We move on to completing a design brief and design specification worth another 10 marks towards the NEA



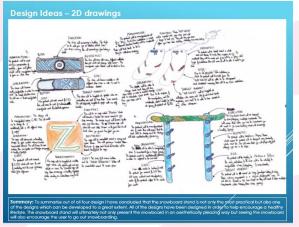
Section B - Design Brief and Specification

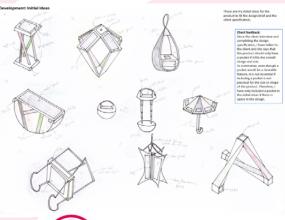
The aim of this project is to create a semi portable product which is mall enough to carry but be loud enough to be heard over the spoi

The design and making process will take until Ma after that will the client receive the product. The product will have a retro aesthetic and shoul

From my research I have found that my client wants a product that plays music and has a retro look. He wants a portable product that has rounded edges for safety and cost not much more than £30 and no more than £50. it needs to weigh no more than 10kg. Next time I would do a focus group to find out what healthy people prefer in general and I would look at more existing products that are Students generate their initial ideas based on the previous steps. Designs must be creative and show design flair. This section is worth 20 marks towards the NEA.

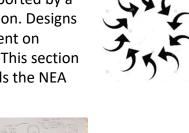


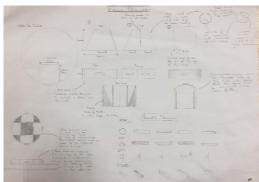


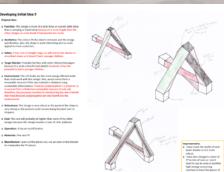




Students develop their initial ideas and make iterations, supported by a manufacturing specification. Designs must show good judgement on materials and processes. This section is worth 20 marks towards the NEA too.







Students use various workshop tools and CAD/CAM to realise their developed designs, worth another 20 marks towards the NEA.







Finally, students evaluate their work against their specification. Casting judgement is an important part of the project. Worth the final 20 marks of the NEA.





Evaluation of

Project

Some of the safety precautions I took during the project to make sure I was using all the equipment, took and machines properly and with causion, taking notice to all the rules into mind when using it for instance.

woblerns I encountered during this project include now basic my design was. I solved this issue by releginging it and during extra support to it. I also tusk one of the acrylic slabs on the wrong way which were write could be for the last in set find on

My product is targeted at anyone who has horses or any farm of equity that meeds extrable storage for their tack and rising, equipment associate with rising, it is targeted at people like this as the product was design extra continues. Therefore received who own horses and riside—subset.

the firish the acrylic gave to the overall product was very good. She also liked the aesthetic of the design.

sant lots of different skills. I learned how to ection mould and make the feet for my product. I to learned how to vacuum form to make the insert

Another skilled I learnt was to finish a wooden product to good standard and wax it off. I also picked

The function of my project was to make enganising tack much easier and simpler for the outcomer. These was a stand for a

My product operates by having a sturty and railab saddle stand that will hold your saddle whilst havi handy draw to store other tack essentials in these bacos:

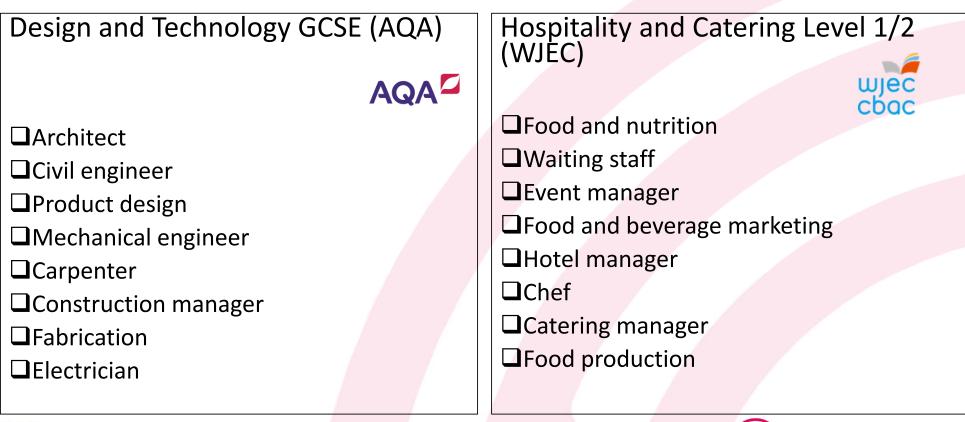
I feel I was very happy with the overall look of my design. I think the finished look was sleek and looked professional. I was also happy with how the acrylic firished out to look.





Technology at CLHS

Where might it lead?









For more information about the courses, please speak to your child's technology teacher at progress evening on Thursday 9 March 2023.

