



Undershaw

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KS 4 Options 2023

Choosing your Key Stage 4 options
Subject information booklet



Overview of the Options Process

1. Options assembly to launch the options process 28th April.
2. Options booklet goes home to parents (electronic) 28th April.
3. Teachers will talk about the options and subjects in lessons during the next 2 weeks.
4. Options presentation for parents (2nd May).
5. Tutors will ask for initial options – these are not final choices but will help us to discuss options further with individuals.
6. 1-1 meetings with parents (online) to discuss individual choices.
7. Final choices are made and submitted.
8. I write to parents to confirm final option choices before May half term.

Key stage 4 CORE lessons

The KS4 offer at Undershaw School is 5 or 6 courses.

The following subjects are CORE and all students will follow these courses:

iGCSE English or Functional Skills English

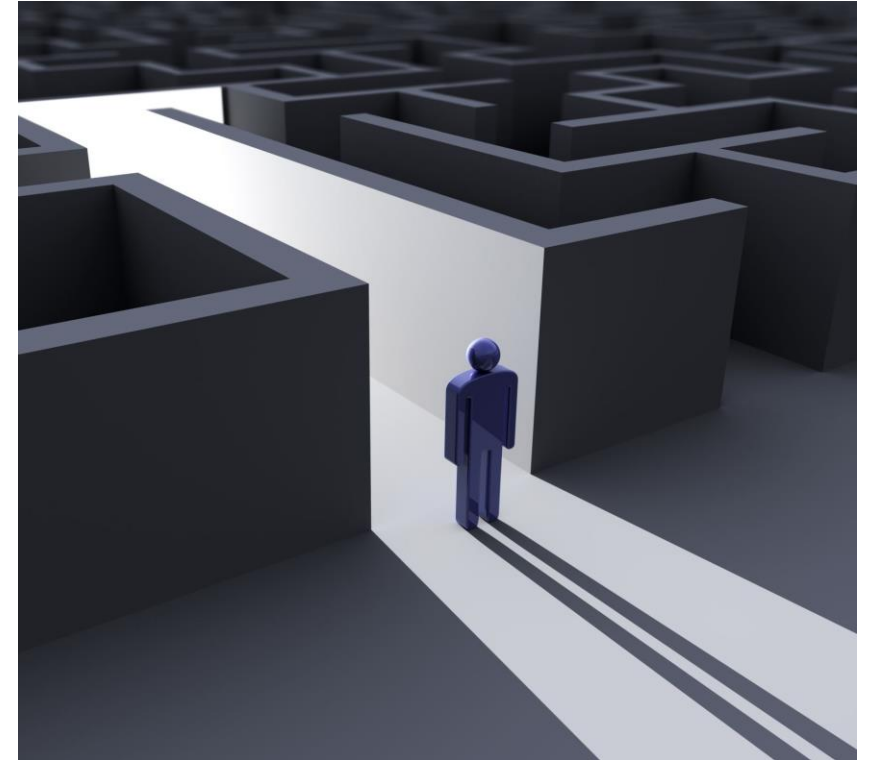
GCSE Mathematics or Number and Measure level 1 or Entry Level
Maths

GCSE Double Science or Level 1 equivalent

PSHE BTEC level 1 or 2

Options

- Over the next few weeks, you will choose which of the options subjects you wish to study in year 10 and 11.
- We will do our best to run the first choices that everyone would like to do. In some cases, this may not be possible, so we will ask you for your 'reserve' options also so that we can make sure you can do one of those.



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Option Block A Everyone chooses one of these	Option Block B You choose either Discovery Day or a subject
<ul style="list-style-type: none"> •GCSE History •GCSE or entry level Computer Science •BTEC Level 2 Art and Design Skills (including photography and 3D art skills) •BTEC Level 2 Performing Arts (minimum number required) •Level 2 technical award (GCSE equivalent) in Food and Cookery •GCSE Geography 	<ul style="list-style-type: none"> •BTEC level 2 Animal care (at Staunton Farm – minimum number required) •BTEC Level 2 Tech Award in Creative Media Production •GCSE Music

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GCSE Music	Page 17
GCSE or entry level Computer Science	Page 22
BTEC Level 2 Tech Award in Creative Media Production	Page 32
BTEC Level 2 Performing Arts	Page 37
BTEC Level 2 Art and Design Skills (including photography and 3D art skills)	Page 43
Level 2 technical award (GCSE equivalent) in Food and Cookery	Page 47
BTEC level 2 Animal care (at Staunton Farm)	Page 54



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GCSE History



What will I learn?

Period Study - Germany 1890-1945: Democracy and Dictatorship

- Germany and the growth of democracy
- Germany and the Depression
- The Experience of Germans under the Nazis

Wider World Depth Study - Conflict and tension: The inter-war years, 1918-1939

- Peacemaking after WWI
- The League of Nations and International Peace
- The Origins and Outbreak of WWII

What will I learn?

Thematic Study - Britain: Power and the people, c.1170 to the present day

- Challenging authority and feudalism
- Challenging royal authority
- Reform and reformers
- Equality and rights

British Depth Study - Norman England, c1066-c1100

- The Norman Conquest and Control
- Life under the Normans
- The Norman Church and Monasticism
- The historic environment of Norman England

How will I be assessed?

Component	Duration	Weighting
Paper 1: Understanding the Modern World Section A: Period Study Section B: Wider World Depth Study	Exam 2 hours	50%
Paper 2: Shaping the Nation Section A: Thematic Study Section B: British Depth Study	Exam 2 hours	50%

How will History help me in the future?

- Studying History provides you with a whole range of options going forward. It is a subject that teaches you skills that can be applied in a variety of fields.
- History is great for improving your communication and writing skills, your ability to research and find things out and it teaches you how to investigate, analyse and explain.
- The skills you learn during a qualification in History lend themselves to all sorts of careers, such as journalism, law, business, archaeology, or marketing.



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GCSE Geography



What will I learn?

Living with the physical environment

The Challenge of Natural Hazards

- Tectonic Hazards
- Weather Hazards
- Climate Change

The Living World

- Ecosystems
- Tropical Rainforests
- Hot deserts/Cold environments

Physical Landscapes in the UK

- UK physical landscapes
- Coastal landscapes/River landscapes/Glacial landscapes

What will I learn?

Challenges in the human environment

- Urban issues and challenges
- The changing economic world
- The challenge of resource management
 - Resource management
 - Food/water/energy

Geographical applications

- Issue evaluation
- Fieldwork

Geographical Skills

- Cartographic skills
- Graphical skills
- Numerical skills
- Statistical skills
- Qualitative and quantitative data

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How will I be assessed?

Component	Duration	Weighting
Paper 1: Living with the physical environment The challenge of natural hazards; The living world; Physical landscapes in the UK; Geographical skills	Exam 1 hour 30 minutes	35%
Paper 2: Challenges in the human environment Urban issues and challenges; The changing economic world; The challenge of resource management; Geographical skills	Exam 1 hour 30 minutes	35%
Paper 3: Geographical applications Issue evaluation; Fieldwork; Geographical skills	Exam 1 hour 15 minutes	30%

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How will Geography help me in the future?

- Studying Geography provides you with a whole range of options going forward. It is a subject that teaches you skills that can be applied in a variety of fields.
- Geography gives you a range of highly relevant knowledge and an understanding of our World. It develops your ability to understand interpretations, your analytical skills and ability to communicate your arguments clearly. You also develop specific geographical skills, such as map and fieldwork skills.
- The skills you learn during a qualification in Geography lend themselves to all sorts of careers. These can be more geography specific jobs, such as conservation, surveying, environmental planning or weather forecasting. Or it could be other sorts of careers that also make use of skills developed, like the army, police, government, research, law and business.



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GCSE Music



What will I learn?

GCSE Music



The first topic is *My Music*
(the music you love to listen to and perform)

This will lead to a performance and a
composition inspired by the music you love.

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What will I learn?



GCSE Music

- **There are four other topics:**

- The Concerto Through Time
- Rhythms of the World
 - Film Music
 - Pop Music



- This will lead to a composition inspired by your favourite topic and a listening exam on all four.



What will I learn?



How will I be assessed?

Component	Duration	Weighting
Performance (One Solo & one Ensemble)	At least 4 minutes (both pieces combined)	30%
Composition (One Free Choice one in response to a Set Brief)	At least 3 minutes (both compositions combined)	30%
Listening and Appraising Listening Exam on the four topics studied	1 hour and 30 minutes	40%

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How will Music help me in the future?

- There are hundreds of different careers Music can lead to. Beyond being a Performer or Composer you could become a Producer, Teacher, Therapist, DJ, Radio Technician, MC, Engineer, Promoter, Film and TV Composer, Advert/Games Music Writer or Musical Director.
- Musicians can go on to numerous careers beyond the world of Music, from Law to Medicine, as the skills required to be a good musician (creativity, listening, perseverance, team skills) are sought by employers from all walks of life.
- To be good at Music shows you have guts, talent, commitment, communication skills and creativity. Your musical talent could be what sets you apart from the crowd.

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KS4 Pathway Options 2023

Computer Science



What will I learn?

GCSE 9-1 Computer Science

Component 1: J277/01 Computer Systems

- Systems architecture
- Memory and storage
- Computer networks, connections and protocols
- Network security
- Systems software
- Ethical, legal, cultural and environmental impacts of digital technology

What will I learn?

GCSE 9-1 Computer Science

Component 2: J277/02 Computational Thinking, Algorithms & Programming

- Algorithms
- Programming fundamentals
- Producing robust programs
- Boolean logic
- Programming languages and Integrated Development Environments

How will I be assessed?

GCSE 9-1 Computer Science

Component	Duration	Weighting
J277/01: Computer systems	1 hour and 30 minutes exam paper	50%
J277/02: Computational thinking, algorithms and programming	1 hour and 30 minutes exam paper	50%

* Practical Programming

All students must be given the opportunity to undertake a programming task(s), either to a specification or to solve a problem (or problems), during their course of study. Students may draw on some of the content in both components when engaged in Practical Programming.

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What will I learn?

Entry Level Certificate Computer Science

Component 1: Computer Systems

- Computer Systems Test 1
Computer hardware
- Computer software Test 2
Computer memory and storage
Moral, legal, cultural and environmental concerns

What will I learn?

Entry Level Certificate Computer Science

Component 2: J277/02 Computational Thinking, Algorithms & Programming

- Test 1

Computational logic
Algorithms

- Test 2

Programming techniques
Data representation

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What will I learn?

Entry Level Certificate Computer Science

Component 3: Programming Project

- Programming project
 - Planning a solution
 - Developing a solution
 - Testing a solution
 - Evaluating the success of the solution

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How will I be assessed?

Entry Level Certificate Computer Science

Component	Duration	Weighting
Computer systems	2 × 30 minutes tests Total 1 hour	40%
Computational Thinking, Algorithms & Programming	2 × 30 minutes tests Total 1 hour	40%
Programming Project	Internally-assessed/ externally-moderated	20%

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How will Computer Science help me in the future?

Computer Science is great for developing problem solving skills, innovative, critical, lateral and logical thinking and mathematical reasoning, as well as understanding computer systems, practical and efficient programming skills. These skills can be used in all kinds of career in almost every industry for example financial/banking, agriculture, retail, management consultancy, warehousing, architecture, transport, medicine/care, telecoms, government agencies, environmental and oil.

Popular careers for people with a computer science qualification include:

Cyber security, software engineering, website/app development, game development, data/system analyst, system designer, technical writer, customer service, network technician, applications programmer, database administrator, IT consultant and many more.

The top 15 emerging jobs in the UK most need IT & computer scientists:

Artificial intelligence specialist, data protection officer, robotics engineer, site reliability engineer, user researcher, data scientist, sales development, cloud engineer, cyber security specialist, platform engineer, full stack engineer, development operations engineer and content designer.

There are many ways computer science benefits our society; computer programs directly affect every aspect of our lives; we rely on computer scientists for this. The reach of computer science is extensive, but we are only scratching the surface!

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KS4 Options 2023

**Creative Media
Production**



What will I learn?

Component 1: Exploring Media Products:

In this component we will explore how media products create meaning for their audiences.

We will look at a range of media products and explore the production techniques that are used to create them.

We will explore media products from all three sectors: audio/moving image, print and interactive.

You will undertake research into media productions and their purposes and also create a portfolio.



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What will I learn?

Component 2: Developing digital media production skills

In this component we develop practical skills to create original audio visual (film) pieces in response to a brief.

We will learn how to plan media productions, then how to use camera and editing software to realise productions. There will be a lot of time to experiment with film making and editing techniques before planning and producing a final film in response to a brief.



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What will I learn?

Component 3: Creating a media product in response to a brief

The final component is the opportunity to bring together the research and practical skills from the other two units.

We will be given a brief to create a piece of media – this will be a film.

The planning and editing will be completed in lessons in exam conditions. We do this in year 11 between February and May.

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How will I be assessed?

Component	Duration	Weighting
Media audiences and purpose	Coursework and portfolio (10 hours controlled assessment)	30%
Creating media productions	Coursework and portfolio (10 hours controlled assessments)	30%
Responding to a brief (exam unit)	3 assessed tasks in exam conditions over 15 weeks	40%

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How will Media studies help me in the future?

Media is all around us and a huge part of our society/ The skills which you develop when studying media will help you in many ways.

Studying media can really help you to develop skills and gain experience for working in a wide range of careers including:

- Media production
- Web design
- Film/production/editing/post-production
- Researching
- Teaching
- Advertising
- Web design
- Blogging and vlogging
- Events planning and management

For more information, please speak to Vic.



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**Performing Arts
(Acting Pathway)**

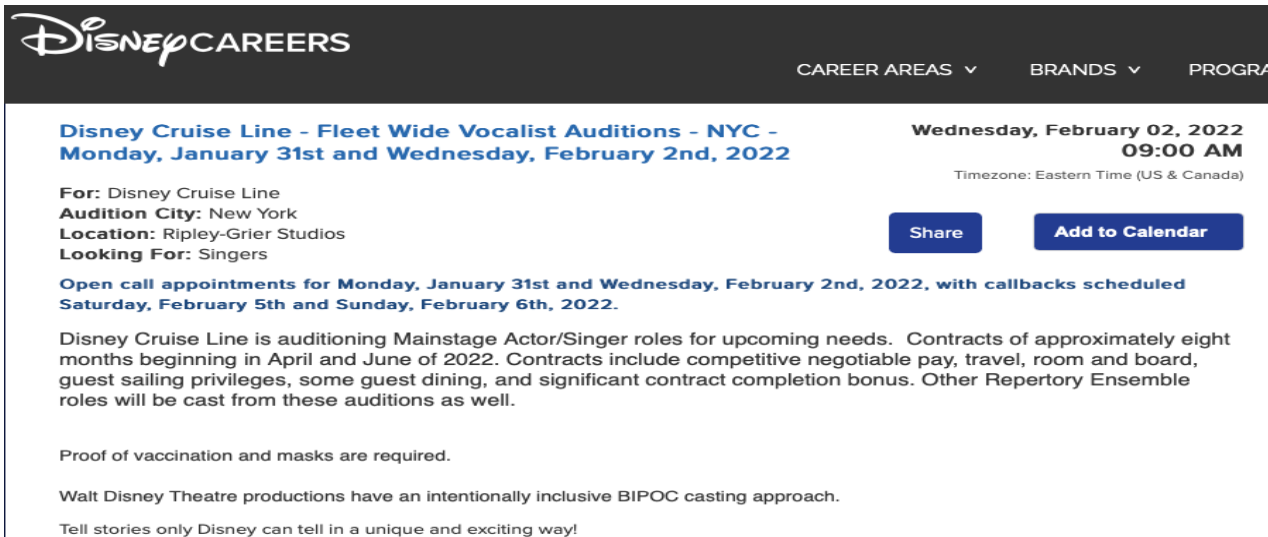


What will I learn?

Unit 1: Individual Showcase

A. Understand how to complete a Letter of Application in response to a selected progression opportunity

B. Understand and know how to prepare an audition performance in response to a selected progression opportunity



Disney CAREERS CAREER AREAS ▾ BRANDS ▾ PROGRA

Disney Cruise Line - Fleet Wide Vocalist Auditions - NYC - Monday, January 31st and Wednesday, February 2nd, 2022 **Wednesday, February 02, 2022 09:00 AM**
Timezone: Eastern Time (US & Canada)

For: Disney Cruise Line
Audition City: New York
Location: Ripley-Grier Studios
Looking For: Singers

[Share](#) [Add to Calendar](#)

Open call appointments for Monday, January 31st and Wednesday, February 2nd, 2022, with callbacks scheduled Saturday, February 5th and Sunday, February 6th, 2022.

Disney Cruise Line is auditioning Mainstage Actor/Singer roles for upcoming needs. Contracts of approximately eight months beginning in April and June of 2022. Contracts include competitive negotiable pay, travel, room and board, guest sailing privileges, some guest dining, and significant contract completion bonus. Other Repertory Ensemble roles will be cast from these auditions as well.

Proof of vaccination and masks are required.

Walt Disney Theatre productions have an intentionally inclusive BIPOC casting approach.

Tell stories only Disney can tell in a unique and exciting way!



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What will I learn?



Unit 2: Preparation, Performance and Production

A. Take part in the preparations for a live performance



B. Demonstrate performance skills and techniques in performance



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What will I learn?

Unit 3: Acting Skills

A. Explore and develop acting skills and review your own practice



Acting Skills

Improving your acting skills can help in any situation where there is an audience. Think about what you are trying to show and how you are trying to show it.

Facial Expressions

Show the **thoughts, feelings and emotions** of the characters you are portraying. Make them larger than life so the audience can see what you are doing, especially if they are a long way back.



Voice

Hold an audience's attention by making yourself interesting to listen to. Speak slower and louder than normal using **pauses, emphasis** and variety in **tone, pitch, rhythm, and volume**. You need a stage voice which is clear for the audience.



Gesture

Make your performance visually interesting. The types of gestures you use; **aggressive, authoritative, nervous** or **exaggerated** will send messages to the audience about your character's **personality, mood** and **situation**.



Stance

The way you hold your posture on stage will portray your character's **age, personality** and **mood**. Your character's stance may change according to what situations they are in.



Reacting

The audience is always looking at you, even when you're not speaking. You are not on the radio, so show how your character is reacting to what others are saying and doing through use of **body language** and **facial expression**.



Movement

The audience will get a sense of your relationship with other characters by how close you are standing to them and the direction you are facing. In your scene decide who should be dominating the space. Hovering by the door for example, may show that you can't wait to leave!



Levels

Use **levels** to help indicate status. One character may be on a higher piece of staging or platform, or it may simply be that one character is standing and another is sitting. It is usually easier to play the dominant, more powerful character if they are on a higher level.



Motivation

Research the text to identify your character's **thoughts, feelings and emotions**. Understanding your character's motivation will help you give a believable and realistic performance.



B. Use acting skills within rehearsal and performance.

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How will I be assessed?

Component	Duration	Weighting
Acting Skills	Coursework, Actors log and performance	60 GLH
Performance and Production	Coursework, Actors log and performance	30 GLH
Individual Showcase Responding to a brief (exam unit)	1 Written task (Application Letter) in exam conditions and individual performance	Externally set 30 GLH

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How will Performing Arts help me in the future?

- Developing skills in any of the Performing Arts is great for any kind of career that requires the ability to communicate confidently.
- The BTEC courses are designed for learners to focus on their transferable skills as well as sector related skills.
- Performing Arts students learn to work well with other people but to also be self-reflective, as well as learn how to give and accept constructive feedback and be able to plan for their own future progress. Popular careers for people with Performing Arts skills extend beyond the performing arts industry:
- Law, Teaching, Social Work, Retail, Publicity, Marketing, Business, working with children – working with people in any capacity.
- Performing Arts students learn to work under pressure, to deadlines and to create a final product to present.
- The Performing Arts encourage students to be imaginative, innovative and flexible in their thinking and is a stimulating subject option.

For more information, please speak to Stephanie.

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KS4 Pathway Options 2023

Art & Design



What will I learn?

Unit A1 – Skills Development

Skills Development Unit – you will create a portfolio of experimentation and art skills including drawing, painting, printing, photography and 3D art based on a given theme. You will explore a wide range processes guided by the teacher.

Unit A2 - Art & Design project

You will develop a project from a given brief, you will develop your ideas to create final pieces of work for exhibition, demonstrating your creative experimentation and refinement in response to a given theme. For example, natural forms, four elements or a sense of place.



How will I be assessed?

Unit	Duration	Weighting
A1 Skills development	Coursework and portfolio- 1 year, year 10	120 Guided learner hours 5 assessment criteria- Investigation, Communication, Practical skills, Development Approach. 50% of your BTEC grade
A2 Art & Design project	Coursework and portfolio- 1 year, year 11, completed by the beginning of May.	60 Guided learner hours 5 assessment criteria- Investigation, Communication, Practical skills, Development Approach. 50% of your BTEC grade

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How will Art & Design help me in the future?

Art and Design can lead to many different courses for further study and career paths. This course also prepares students for working on a portfolio/extended piece of coursework over many months, using skills of development and refinement.

There are many jobs in the creative industries that art and design may lead to, including:

- Fashion designer
- Production and set designer
- Architecture
- Interior design
- Web design
- Photographer
- Film making
- Curator/exhibition designer
- Visual effects and postproduction design
- Print publication design
- Jewelry designer
- Professional artist
- Teacher

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KS4 Pathway Options 2023

NCFE Level 1 or 2 technical award
Food and Cookery



What will I learn?

- This course has a strong focus on the elements of food preparation and cooking.
- You will develop a wide range of technical and practical skills, the ability to amend recipes and respond to a brief.
- You will learn about the importance of safe hygienic working practices, nutrition, balanced diets, individual dietary needs and factors that affect food choice.
- You will develop a core knowledge and understanding of food and cookery principles and apply your knowledge through a series of practical tasks and one written exam.



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What will I learn?

You will learn about all aspects of food preparation and cooking, including:

Health and safety

The food industry

Food provenance

The main food groups, key nutrients and a balanced diet

Factors that affect food choice

Recipe adaption and development

Practical cooking skills and techniques

Planning a menu and action planning

Catering for people who have specific dietary requirements

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What will I learn?

Non-Examined assessment:

60% of the final award is the practical development of cookery skills and recipe development.

You will develop a range of food preparation, cooking skills and techniques which you will then put into practice for this assessment.

For the final assessment you will have a brief for a 'customer' to plan, prepare and cook a menu for, taking into account the specified needs of your client. You will work on your final menu over 16.5 hours (over several weeks), bringing together the skills and techniques you have learnt.

How will I be assessed?

Component	Duration	Weighting
Responding to a brief project	16 hours 30 minutes	60%
Written exam	1 hour 30 minutes	40%

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How will Food and Cookery help me in the future?

This qualification can lead to further study of food and cookery qualifications at level 2 or 3, which can then lead to apprenticeship opportunities, a job in the catering industry or further study at university.

There are many occupations in the catering sector including chef, sous chef, kitchen assistant, catering assistant, barista and a very wide range of opportunities for further study of food design and nutrition-based courses at FE college and university.

The skills that you develop when you study food and cookery are applicable in many other areas of life and employment including the ability to plan, manage time, work with others, solve problems and respond to a brief, so it is an extremely beneficial course to take, combining knowledge and practical skills.



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KS4 Pathway Options 2023

Animal Care

Delivered at Staunton Farm



What will I learn?

Unit 1: Animal Health

- Understand the essential signs of good and ill health in animals
- Understand common diseases, their causes, transmission and treatment
- Understand the signs, symptoms, prevention and treatment of common parasites



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What will I learn?

Unit 2: Animal Handling

- Understand safe handling and restraint techniques
- Demonstrate safe handling and restraint techniques used with animals



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What will I learn?

Unit 3: Animal Housing and Accommodation

- Understand how to select animal accommodation
- Prepare and maintain animal accommodation
- Be able to clean out animal accommodation



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What will I learn?

Unit 4: Principles of Animal Behaviour

- Know what indicates behaviour patterns in animals
- Understand the influence of enrichment on animal behaviour
- Monitor and record the behaviour of a range of animals



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How will I be assessed?

Component	Duration	Weighting
Animal Health	External Examination	25%
Animal Handling	Evidence portfolio and practical assessment	25%
Animal Housing and Accommodation	Evidence portfolio and practical assessment	25%
Principles of Animal Behaviour	Evidence portfolio and practical assessment	25%

How will Animal Care help me in the future?

Skills and knowledge to work or volunteer within the animal care sector, which could include: kennels, catteries, zoos and wildlife parks, pet shops, farms, animal collections, and vets.

Helping students to decide:

Think about...

- What are you good at? What are your talents?
- Which subjects interest you?
- What might you like to do in the future? College courses or careers?
- **Who can help?**
- Parents and carers
- Your tutor and teachers
- Vic – Acting Head of Education
- Leilah – Head of Employability

<https://www.grows.ac.uk/resources/education-options/>

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- Leilah – Head of Employability Leilah.Sheridan@undershaw.education

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