WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

YEAR 8

Further information is available via our booklet

edexcel

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Edexcel: Art & Design

The Edexcel GCSE Art and Design specification does not prescribe ways of working. Instead, it encourages **innovative and imaginative responses** from students in their interpretation of the requirements of the specification. The process of studying art is an ongoing visual enquiry that **has an infinite number of creative possibilities**- Edexcel.

An overview of your subject. Course structure and content.

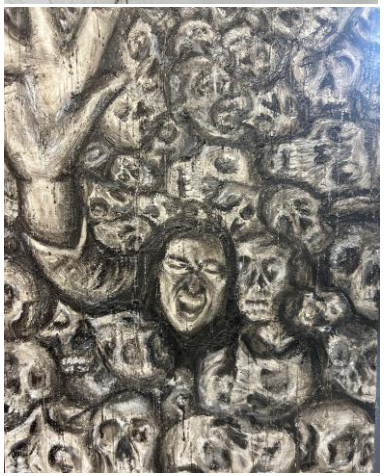
Year 9	Closely observed Portraiture Landscapes	
	UNIT 1: 60%	**UNIT 2: 40%**
Year 10/11	REFLECTIONS POWER start	
Year 11	POWER	Unseen theme

Year 9: Closely observed / Portraiture/ Landscapes
An introduction year to painting and drawing looking at subject matters in detail per term.

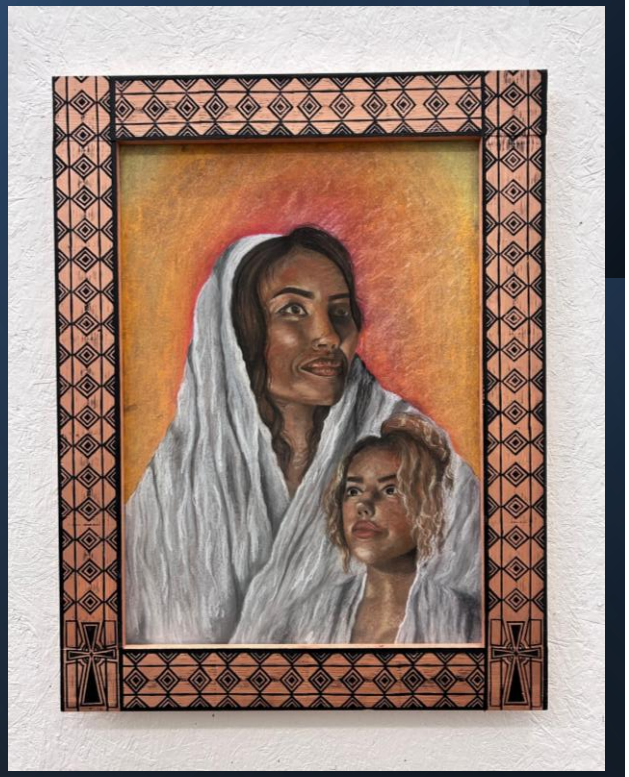
Year 10: Reflections START.
Mock 10 hour timed assessment: Spring term.

Power START: Summer term.
Year 11.
Mock 10 hour timed assessment: Autumn term.

UNIT TWO: 40%: starts in Year 11 January
Unseen theme.

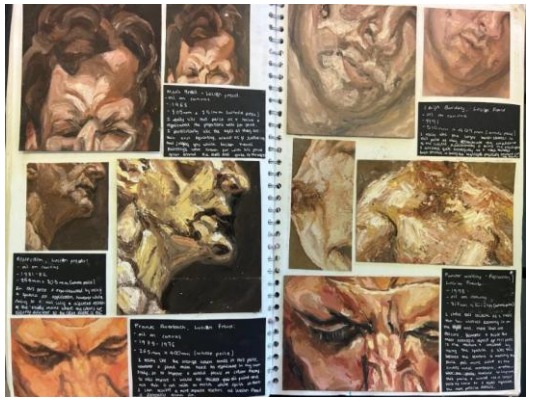


Expectations regarding student commitment, including workload and deadlines. Any coursework or practical elements involved.



The Edexcel GCSE Art and Design specification encourages innovation and imagination when addressing the four distinct Assessment Objectives; Development of an idea (AO1); Refinement and Experimentation (AO2); Recording (AO3); and Presenting (AO4).

- 5 x 1 hour lessons per fortnight.
- 1 hour minimum prep tasks set per week.



This course is 60% coursework and has an ESA unit worth 40% of your GCSE.

There is a 10 hour timed examination sat at the end of Year 11, with its purpose to produce a final outcome celebrating the prep work leading up to this. This is across 2 school days.

You will have 2 opportunities, 1 in Year 10 and 1 in Year 11 to practice what 10 hours feels like in exam conditions in the form of mock exams. These are also in place to help you produce final outcomes for your projects:
REFLECTIONS and POWER

Total outcomes: 3
Total projects submitted: 3

Guidance on how the course supports future academic pathways or careers.

ALEVELs it prepares you for: Art or an art related subject.
Requirements: Grade 6 or above.

Lots of students go on to take Art for A Level or go onto complete an art/design course.

The course will expose you to:

- Live artwork via galleries, workshops and exhibitions.
- Competitions to get involved with.
- Trips to London.

Hosting your own exhibition at The Forum [Year 11] and in school to your parents/carers [Year 10].

Year 10 exhibition

London trip: TATE/ V&A/ Saatchi

GradsFest, NUA

The Forum, Norwich

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Subject: GCSE Business

AQA

An overview of your subject. Course structure and content.

There are six units taught across three years:

Year 9 – Business in the Real World

Year 10 – Human Resources, Influences on Business and Business Operations

Year 11 – Finance and Marketing

At the end of Year 11, you will sit two 1 hour 45-minute exams.

Paper 1 topics will be Business in the Real World, Influences on Business, Human Resources and Business Operations

Paper 2 topics will be Business in the Real World, Influences on Business, Finance and Marketing

Expectations regarding student commitment, including workload and deadlines. Any coursework or practical elements involved.

Students will be set one independent study task each week

Students will also be encouraged to take part in 'Gizmo' flashcard competitions and Seneca Learning

There is no coursework in GCSE Business

Guidance on how the course supports future academic pathways or careers.

Our GCSE Business course introduces you to all you need to know about working in business, providing a solid foundation for further study.

With a focus on helping you to become a good decision maker, you will learn about essential managerial skills, alongside techniques to help you become an analytical problem solver. These skills are all highly sought after and valued in a wide range of careers.

Further study and career opportunities

GCSE Business provides an excellent foundation for a wide range of A-Level courses. Rest assured that the skills you learn are transferable across a broad range of subjects and careers.

Whatever you choose to do in the future, you will find that the things you learn in this course will help. For example, you will probably work with lots of different people, so knowledge of motivational theory will help you to work well with others and help them achieve their potential.

You might have ambitious plans to start your own business. If that is the case, you will find the marketing and finance topics particularly useful.

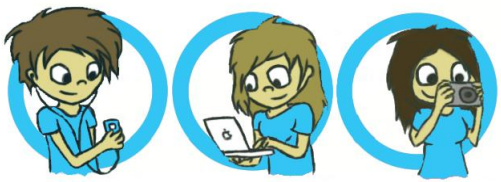
WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Options

SUBJECT: Computer Science – OCR J277



GCSE COMPUTER SCIENCE - OCR - J277

YEAR 9

Year 9 is focused on developing some of the underlying skills needed for the GCSE in Computer Science, as we move into Year 10 and 11, we work through the specification, learning the knowledge and further developing the programming skills needed for the exams

INTRO TO PROGRAMMING

Here we look at the key programming concepts: Sequence, Selection, Iteration. We develop our understanding and practice as we design develop and debug our own progams

TEXT BASED ADVENTURE GAME

Here we put into practice what we have learnt by creating our own Text Based Adventure Games

INTO TO AI

In this unit, we look at how Machine Learning algorithms work and experiment with programming our own AI models

DATA REPRESENTATION

Here we learn how computers store data and learn about binary and hexadecimal numbers, we practice how to convert numbers between denary, binary and hexadecimal.

IMPACT OF DIGITAL TECH

We start to look at the ethical, social and environmental impacts of technology, we will look at recent developments in tech and share our views on how these impact society.

YEAR 10

SYSTEMS ARCHITECTURE

In this unit we will explore the fascinating world of how computers work from the inside out. You'll learn about the different parts of a computer, like the CPU (the brain of the computer), memory (where data is stored), and input/output devices (like keyboards and screens).

NETWORKS

In the Networks unit, you'll discover how computers connect and communicate with each other. You'll learn about different types of networks and how they enable devices to share information.

SECURITY AND SYSTEMS

In the Network Security and Systems unit, you'll learn how to protect computer networks from threats and attacks. We'll explore different types of cyber threats. You'll discover the importance of firewalls, encryption, and secure passwords in keeping data safe.

MOCK PREPERATION

Revision sessions on the Paper 1 content we have covered to date, an opportunity to look at past papers and develop good exam practise

MEMORY AND STORAGE

A chance to revisit data representation and number conversion, along with looking in more detail about computer storage. By understanding memory and storage, you'll see how data is managed and retrieved efficiently, ensuring that computers run smoothly and effectively.

PROGRAMMING

Throughout the year we practice our programming, we will complete ongoing activities to keep our programming skills sharp!

YEAR 11

ALGORITHMS

We'll explore what algorithms are and how they can be used to perform tasks, from simple calculations to complex processes. You'll understand how to design, write, and optimize algorithms to make them more effective.

LOGIC AMD LANGUAGES

In the Logic unit, you'll explore the fundamental principles that underpin all of computer science. You'll discover how to construct and evaluate logical statements, and understand concepts like truth tables, Boolean algebra, and logical operators (AND, OR, NOT).

YEAR 11 MOCK PREP

Revision sessions on the Paper 1 and 2 content we have covered to date, an opportunity to look at past papers and develop good exam practise

PROGRAMMING

Here we will revisit and revise everything we have been learning and practicing in our coding units and how to use these skills in Paper 2. Additionally, you'll learn SQL, giving you the skills to handle large amounts of data.

ROBUST PROGAMS

You'll explore best practices for writing clean, readable code and using comments to make your programs easier to understand. Debugging skills will be a key focus, helping you identify and fix problems in your code. By mastering these techniques, you'll be able to create programs that work smoothly and are easy to maintain.

Should I Chose Computer Science?

Are you:

- Interested in technology?
- Enjoy solving problems?
- Resilient when presented with a challenge?
- Creative and Logical?
- Have a good ability in Maths?

Why Computer Science?

Technology is embedded in every aspect of our lives.

Computer Science is being used help solve many of the world's biggest problems

Computing and Technology impacts everything, everywhere

In the United Kingdom, the application of technology helps drive our entire economy

Technology impacts every part of our lives:

- Health
- Education
- Environment
- Security and national defense
- Research and development
- Manufacturing
- Tourism and transport
- Entertainment...

WHAT WILL I STUDY?

Component 1

1. Systems architecture
2. Memory and storage
3. Computer Networks, connections and protocols
4. Network security
5. Systems Software
6. Ethical, legal, cultural and environmental impacts of digital technology

Component 2

1. Algorithms
2. Programming fundamentals
3. Producing robust programs
4. Boolean logic
5. Programming language and Integrated Development Environments.

HOW WILL I BE ASSESSED?

- ☑ Two exams
- ☑ 1 hr 30 minutes each
- ☑ 80 marks each
- ☑ Equally weighted

Skills in Computer Science can offer you an incredible wide range of jobs!
There are almost no job sectors which don't make use of skills related to:

- Information Technology
- Computer Science

Further Study:

- A Levels
- Level 3 Qualifications
- Higer Education
- Level 3 Apprenticeships

Careers Videos - Find out more about some of the careers in Computing here and on BBC Bitesize

These are just some of the roles in Computing, they span various industries, from healthcare to entertainment:

1. **Software Developer**: Design, code, test, and maintain software applications.
2. **Web Developer**: Create and maintain websites and web applications.
3. **Mobile Application Developer**: Develop apps for mobile platforms like iOS and Android.
4. **Data Scientist**: Analyse and interpret complex data to help organizations make decisions.
5. **Database Administrator**: Manage and maintain databases to ensure data security and availability.
6. **Machine Learning Engineer**: Develop algorithms that enable machines to learn from data.
7. **Cybersecurity Analyst**: Protect systems and networks from cyber threats.
8. **Information Systems Manager**: Oversee the IT needs of an organization.
9. **Network Engineer**: Design and manage computer networks.
10. **AI Researcher**: Conduct research to advance artificial intelligence technologies.
11. **Game Developer**: Create video games for various platforms.
12. **Systems Analyst**: Analyse and design technology solutions to meet business needs.
13. **IT Consultant**: Provide expert advice on technology solutions.
14. **Cloud Engineer**: Design and manage cloud computing solutions.
15. **DevOps Engineer**: Bridge the gap between software development and IT operations.
16. **UX/UI Designer**: Design user interfaces and experiences for digital products.
17. **Robotics Engineer**: Develop robots and robotic systems.
18. **Health Informatics Specialist**: Manage and analyse health data.
19. **Bioinformatics Scientist**: Apply computer science to biological data.
20. **Animator**: Create computer-generated animations for films, games, and other media.

Wymondham College

Options Subject:
Design & Technology

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

GCSE Design and Technology will prepare students to participate confidently and successfully in an increasingly technological world.

Students will gain awareness and learn from wider influences on Design and Technology including historical, social, cultural, environmental and economic factors.

Students will get the opportunity to work creatively when designing and making and apply technical and practical expertise.

The GCSE allows students to study core technical and designing and making principles, including a broad range of design processes, materials techniques and equipment.

The course is a mix of practical and theoretical knowledge. We want to develop creative problems solvers through this course.

AQA | Design and Technology | GCSE | GCSE Design and Technology

Outline of the course

AQA GCSE: Design and Technology (8552)

- ❑ NEA (Non-exam assessment) 50%
- ❑ Written exam (2 hours) 50%

YR9

5 lessons over 2 weeks
2 Theory lessons
3 Skills lessons

- Practical skills based learning including designing and making skills.
- Using the range of tools and equipment in the department to improve your skills and knowledge
- Using CAD programs to build your presentation skills
- Embedded theory throughout, the theory content is fluid with practical lessons throughout.
- Stand alone weekly theory lessons & practice exam questions
- Weekly Prep to prepare for working to deadlines.

YR10

5 lessons over 2 weeks
2 Theory lessons
3 Project lessons

- Projects developing designing, developing and making skills
- Practical projects that develop an understanding of the NEA requirements and mark schemes.
- Embedded theory throughout, the theory content is fluid with practical lessons throughout.
- Stand alone weekly theory lessons & practice exam questions
- Weekly Prep to prepare for working to deadlines.
- JUNE – AQA Launch live NEA and release the contexts and actual coursework starts!

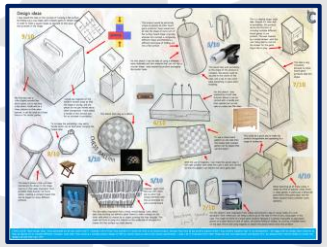
YR11

5 lessons over 2 weeks
NEA Lessons from Sept to March
Theory & Revision from Easter until Exams

- Continue with live NEA- hand in Easter
- Revision of theory topics throughout with exam questions and independent revision.
- Final GCSE exam

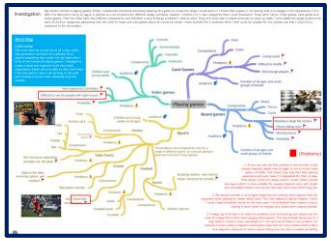
WHAT IS THE EXAM LIKE?

- The exam is a full written 2 hour exam which will test your understanding of materials, processes and the wider world of design and technology.
- Your drawing skills will also be tested.



WHAT IS THE NEA?

- The NEA is a 20 page (A3) portfolio of work where you will solve a problem with a user.
- You will independently investigate, analyse, design and develop a solution to a problem and evaluate your final product.
- You will need to work in-between lessons on your portfolio.



What Skills will I learn?

Design and Technology helps develop skills such as:

Creative thinking.
You will learn how to identify and explore problems and work out solutions.

Technical understanding
You will be able be able to apply your understanding of materials and processes to create innovative solutions.

Communication.
You will develop your design drawing skills and improve your written notes and presentation skills.

Evaluation and decision making.
You will look at strategies for comparing design ideas and manufacturing processes. You will learn how to use data and graphics to explain decisions.

Computer Aided Design.
You will learn how to create components and produce virtual prototypes using CAD. These may go on to be laser cut or 3D printed.

Design development
You will learn how to use research, testing and investigation strategies to turn ideas into reality and add features that the user needs.

Project planning
You will demonstrate skills in managing a range of activities, such as research, drawing, material experimentation, modelmaking, CAD designs and CAM output.

Environmental awareness.
Any good design work should show an understanding of the way designers can reduce the use of unsustainable materials and create products that use less energy to manufacture and have a plan for their repair or safe disposal.

IS IT RIGHT FOR ME?

Are you:

- A creative thinker
- A problem solver
- Inventive
- Passionate about new technology?
- Able to think outside the box
- Good at designing & making
- Able to work to deadlines?

Future academic pathways & Careers.

Further Study

- A-Level
- University Degree
- Apprenticeships

Useful links

What is D&T?

Why is D&T important?

www.icanbea.org.uk
(Norfolk careers website)

Careers

Mechanical Engineer/Civil Engineer/Systems Engineer /Operations Engineer/ Software Engineer/Big Data Engineer/PHD Research Engineer/ Electrical Design Engineer/Product Development Engineer/Fire engineer/ Weapon Engineer Officer/Scientific Technical Officer/Software Developer / Technology Consultant/Clinical Support Specialist /Microbiology Technician/ Analytical Scientist/Project Manager/Investment Data Analyst/ Software Developer/Computer Vision Scientist/Quantitative Consultant/ Computer Vision Scientist/IT Business Analyst/Engineering Platoon Officer/ Animator/ Antique dealer/Architect/ Architectural technician/Art editor/ Art gallery curator/Arts administrator/Art therapist/Art valuer/Blacksmith / Cabinet maker/CAD technician/Cake decorator/Ceramics designer/ Clothing alteration hand/Community arts worker/Conservator/Costume designer/ Design Engineer/Dressmaker/Exhibition designer/Fashion designer/ Fine artist/ Footwear designer/French polisher/furniture designer/Furniture restorer/ Glass Engraver/Glassmaker/Graphic designer/illustrator/Interior designer/ Jewellery Designer-maker/landscape architect/leather craft worker/ Machine printer/Make-up artist/Medical illustrator /Mode! maker/ Museum curator/Musical instrument maker/Naval architect/ Pattern cutter/ Pattern grader/ Photographer/Photographic Stylist/Photographic technician/ Picture framer/Product designer/Prop maker/Reprographic assistant/ Set designer/Signwriter/Stonemason/Tailor/Tattooist/Textile designer/ Textiles production manager/Web designer
…… and more!!

If you have any questions contact Mr Meeson at: j.meeson@wymcol.org

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Options

Subject: English Language and English Literature

An overview of your subject. Course structure and content.

Students have timetabled 'English' lessons in which we deliver the English Language and Literature curriculum concurrently.

Year 10:

In Year 10, students study the following units for both AQA English Language and Literature:

- An Inspector Calls (modern play)
- **Either** A Christmas Carol (mixed ability set) **or** Jekyll and Hyde (top set)
- Non-fiction Language Paper 2 reading and writing skills: Voices and Vision
- Macbeth (Shakespeare play)

In Year 11, students study the following units for both English Language and Literature:

- Fiction Language Paper 1 reading and writing skills: Disturbed Voices
- Unseen Poetry
- Anthology Poetry: Power and Conflict
- Revision units for whole course content

Expectations regarding student commitment, including workload and deadlines. Any coursework or practical elements involved.

- Students are expected to complete two preps per week for 45 minutes.
- There is no coursework element for English, however there is a ‘spoken language endorsement’ unit which appears separately on students’ results slips. For this students must present a 5-minute talk on a significant topic to the class that is recorded and sent to the exam board. The teacher will grade this and send their marks to the board with the video. The results for this can be fail, pass, merit or distinction.

Guidance on how the course supports future academic pathways or careers.

- **English Language and Literature provide valuable skills for both further education and the world of work, such as communication skills, written accuracy and efficacy, comprehension of the world around us, and critical thinking skills.**
- **To study English at A Level, students need to achieve a Grade 6, but this does not prevent students with lower grades from selecting the course. Students with Grade 5 or below are monitored closely and supported with a mentor and by staff.**

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Options Subject:
Food Preparation and Nutrition

eduqas
Part of WJEC

Subject overview. Course structure and content.

Food Preparation and Nutrition focuses on developing a thorough understanding of nutrition, food origins, human dietary requirements and the working characteristics of ingredients both through theory lessons and in practical cooking lessons.
Students should expect five lessons a fortnight, two of which will either be making a food product or conducting a food science experiment.
Food Prep and Nutrition pairs well with chemistry, biology and sports studies and has the bonus of developing food preparation skills for life.

Course Content

1. Food commodities e.g. cereals, fruit and vegetables, sugars, dairy, fats , meat/fish and vegetarian alternatives. The course will look at their value in the diet, their working characteristics, experiments to understand changes occurring during cooking and also current recommended guidelines for a healthy diet

2. Principles of nutrition - the role of the main nutrients in the diet, their sources, function and deficiencies.

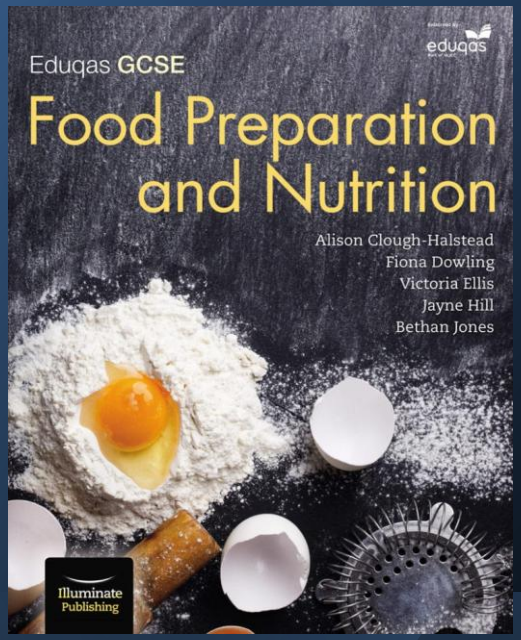
3. Diet and good health – studying the nutritional needs that change during life and how to plan diets to suit them. Looking at food choice including culture and religion, as well as dietary needs.

4. The science of food - the scientific principles behind preparing and cooking foods.

5. Where food comes from – food provenance, sustainability and its security and the impact on the environment.

6. Cooking and food preparation – range of practical tasks using all the commodity groups to demonstrate a variety of skills and techniques.

Student Expectations.



Expectations

Students will be expected to participate fully in all practical and theory lessons, prep is set weekly and includes project work, research and revision, both paper based and online.

In year 9 we focus on the basics of nutrition and food choice, in year 10 we study each commodity group and the provenance and food science that goes with it.
In both years students will undertake mock NEAs to prepare them for the coursework in year 11.
In year 11 the NEA1 is launched on the 1st of September and the NEA2 on the 1st of November. NEA work will take place during lessons and all revision will be set for prep.

Assessment

Component 1: Principles of Food Preparation and Nutrition
Written examination: 1 hour 45 minutes
50% of qualification
This unit will consist of two sections both containing **compulsory questions** and will assess the theory content of the GCSE specification.
Section A: questions based on specified topics.
Section B: structured, short and extended response questions to assess content related to food preparation and nutrition.

Component 2: Two Non-Examined Assessments: internally assessed, externally moderated
Food Preparation and Nutrition in Action
Assessment 1: The Food Investigation Assessment 8 hours
A scientific food investigation which will assess the learner's knowledge, skills and understanding in relation to scientific principles underlying the preparation and cooking of food.
Assessment 2: The Food Preparation Assessment 12 hours
Prepare, cook and present a menu which assesses the learner's knowledge, skills and understanding in relation to the planning, preparation, cooking and presentation of food.

How the course supports future academic pathways or careers.

Careers linked with Food Preparation and Nutrition aren't just limited to going into catering of being a chef!

Careers in the hospitality industry are common and can range from food preparation to management and administration, food styling, food photography and food writing.

The science of food is a big industry in Norfolk and beyond, both researching, creating, testing and manufacturing new food products, but also working on food security, designing and engineering the food of the future to ensure we never run out of food and our crops are safe for future generations.

Knowledge of nutrition would benefit students looking to go into careers in the sports industries, such as becoming a personal trainer, sports therapist or professional sportsperson. Careers in care and in medicine also link well, such as those going into childcare or social/health workers, or medicine for example doctors and nurses need a good knowledge of nutrition and dieticians rely on their in-depth knowledge of nutrition to treat some of the most severe dietary conditions.

Food is something we all need, literally, to stay alive. There will always be careers in food.

Further study: work experience or apprenticeship in food-based organisations (see image), A levels in science subjects could lead to degrees in food science or becoming a dietician or working in health. Level 3 courses in catering, hospitality or childcare.

[Jobs that use Food and Nutrition - Careers - BBC Bitesize]

[List of food industry careers to consider (With salaries) | Indeed.com UK]

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Options
Subject: Maths

A Brief Overview of GCSE Maths

Structure

- GCSE Maths is a **compulsory** subject for students in England, Wales, and Northern Ireland.
- At Wymondham College, we assess through the AQA exam board.
- Students choose between **Foundation (grades 1-5)** and **Higher (grades 4-9)** tiers.

Assessment

- Three exam papers:
  - **Paper 1 (Non-Calculator)**
  - **Paper 2 (Calculator)**
  - **Paper 3 (Calculator)**
- Each paper is 1 hour 30 minutes and contributes **one-third** of the total marks.

Content Areas

- The syllabus is divided into six key areas:

1. **Number** – Fractions, percentages, decimals, ratios.
2. **Algebra** – Equations, inequalities, graphs, sequences.
3. **Ratio & Proportion** – Scaling, direct and inverse proportion.
4. **Geometry & Measures** – Angles, shapes, area, volume, trigonometry.
5. **Probability & Statistics** – Probability trees, averages, data handling.
6. **Problem Solving** – Real-world applications and multi-step questions.

Why is GCSE Maths Important?

- A minimum **grade 4 (pass)** is required for most jobs, apprenticeships, and further education.
- **Grade 5 or higher** is often needed for A-level subjects or university entry.
- **Strong GCSE Maths** can lead to careers in science, engineering, finance, and computing.

In year 10, there are two tiers of entry for GCSE, **Higher and Foundation**. Here are the things to consider:

1. Grade Ranges

Foundation Tier: Covers **grades 1 to 5** (max grade 5).

Higher Tier: Covers **grades 4 to 9** (max grade 9).

If a student sits the Higher tier but scores too low (below a grade 4), they may fail and receive **no grade**.

2. Content Coverage

Foundation Maths: Focuses more on **basic numeracy, arithmetic, and real-world applications**. It includes essential algebra, statistics, geometry, and ratio but avoids advanced topics.

Higher Maths: Covers **more complex algebra, trigonometry, functions, and problem-solving**. It includes topics like simultaneous equations, quadratic inequalities, and advanced statistics.

3. Difficulty Level

Foundation: Designed for students who struggle with maths or find it challenging.

Higher: Moves at a **faster pace** and requires a **stronger understanding** of mathematical concepts.

4. Impact on Further Education

Foundation Tier: Limits students to a maximum **grade 5**, which is often enough for college courses, apprenticeships, or some university courses (e.g., social sciences, arts).

Higher Tier: Allows students to achieve **grades 6-9**, which are necessary for A-Level Maths and other STEM-related pathways.

5. Assessment Format

Both tiers have **three exam papers** (two calculator, one non-calculator).

The question style in **Higher** is more problem-solving based, while **Foundation** focuses more on straightforward applications.

Expectations for student's commitment at GCSE

GCSE Maths requires **consistent effort** throughout the course. Here's what students should expect in terms of **workload and commitment**:

Weekly Study Hours

Class Time: Around **4-5 hours per week** in school.

Prep: At least **Up to 2 hours per week**(more for Higher Tier students).

Key Commitments

✅ **Daily/Weekly Practice** – Maths is a subject that needs regular reinforcement. Even **10-20 minutes daily** can make a big difference.
✅ **Completing Prep** – Essential for reinforcing class learning. Leaving gaps can make it harder to keep up.
✅ **Practising Past Papers** – Critical for understanding exam techniques and question styles.
✅ **Actively Seeking Help** – Asking teachers or using online resources (e.g., 1st Class Maths, Corbettmaths, Maths Genie) when struggling.

Further Maths GCSE

- In years 10 and 11, we run Further Maths GCSE as a Wymondham Life club.
- This is an extra GCSE which is invite only and is aimed at students in set 1.
- The course introduces A level topics such as Calculus, Solving Trigonometric Equations, Binomial Expansion and Matrices

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Options

Subject: Modern Foreign Languages

Exam board: Edexcel

An overview of your subject. Course structure and content.

- We offer GCSE taught courses in French and Spanish.
- Students build confidence in the four key language skills: speaking, listening, reading and writing
- There are **five** themes taught across **three** years:
  - My personal world
  - Lifestyle and wellbeing
  - My neighbourhood
  - Media and technology
  - Studying and my future
  - Travel and tourism
- The course aims to…
  - develop confidence in communication
  - improve cultural awareness
  - provide a strong foundation for future language study

Expectations regarding student commitment, including workload and deadlines. Any coursework or practical elements involved.

- There are **four** exams at the end of the course:

- three externally-examined papers assessing separately listening, reading and writing
- one speaking assessment set by Pearson and conducted by a teacher
- All four assessments are worth 25% of the final grade
- Each paper is available at Foundation or Higher tier. Students must be entered for a single tier across all papers

Guidance on how the course supports future academic pathways or careers.

- **Students of languages…**

…gain excellent communication skills which are transferable to other academic subjects.

…are highly valued at universities and in the workplace.

…have a greater cultural awareness.

…have enhanced career opportunities in sectors such as interpreting, translating, teaching, business, research, government, public relations, media and journalism.

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Options
Religious Studies

RELIGIOUS STUDIES

RELIGIOUS STUDIES

THEME 1: RELATIONSHIPS

The nature and purpose of relationships, families, roles of men and women, marriage outside religion, cohabitation.

The nature and purpose of marriage in Christianity and Islam.

Beliefs about adultery, divorce and annulment.

Sexual relationships. Religious teaching about the nature and purpose of sex, the use of contraception. Attitudes and beliefs about same sex relationships.

Issues of equality, gender prejudice and discrimination.

THEME 2: LIFE AND DEATH

The world: Diverse religious teaching about the origin of the universe.

The Big Bang theory. The theory of evolution.

The origin and value of human life

Sanctity of life and beliefs about abortion and euthanasia

Beliefs about death and the afterlife

Theme 3: Christianity

Beliefs in Great Britain

The nature of God

Creation

Jesus Christ, incarnation, crucifixion, resurrection and ascension

Salvation and the afterlife

Theme 4: Islam

The nature of Allah

Prophethood

Angels

The afterlife

The foundations of faith

RELIGIOUS STUDIES

- The course is examined by 3 exam papers which are examined in year 11.
- The first paper is a combination of the first 2 themes.
- The units on Christianity and Islam will be examined with a separate paper.
- We expect our students to work hard in every lesson and be willing to contribute to class discussions.
- Independent study work will be set and marked by the class teacher.
- There is no coursework.

RELIGIOUS STUDIES

- GCSE Religious Studies will allow our students to explore in detail the beliefs of two world religions and the impact these have had in history and in the world today.
- The course allows for critical thinking and the skills of analysis and evaluation will be taught.
- The course will equip our students to be able to form well reasoned arguments based on evidence.
- The course will allow for progression to study A Level Religious Studies and it complements many other subjects.
- Many of our A Level students go to university to study philosophy and theology. Some have become ministers, teachers and others are involved in research. One student, Dr Jeff Keeling, works at Google headquarters as a resident philosopher, working on the application of artificial intelligence being applied in the field of medicine.

Wymondham College

Options
SUBJECT: AQA Physical Education
Instagram: wymondham_ college_pe_dept

Subject Overview

AQA GCSE PE Course Overview

Paper 1: The Human Body & Movement in Physical Activity & Sport

What's Assessed:

- Applied Anatomy and Physiology (6 Topics)
- Movement analysis (2 Topics)
- Physical training (6 Topics)
- Use of data

How it's Assessed:

- Written Exam: 1hr 15mins
- 78 Marks
- 30% of GCSE

Paper 2: Socio-Cultural Influences & Well-Being in Physical Activity & Sport

What's Assessed:

- Sports Psychology (3 Topics)
- Socio-cultural influences (2 Topics)
- Health, fitness and well-being (2 Topics)
- Use of data

How it's Assessed:

- Written Exam: 1hr 15mins
- 78 Marks
- 30% of GCSE

Non-Exam Assessment: Practical Performance in Physical Activity & Sport

What's Assessed:

- Practical performance in three physical activities in the role of player/performer:
  - One team activity
  - One individual activity
  - One in either a team or individual activity.
- Analysis and evaluation of performance to bring about improvement in one activity.

How it's Assessed:

- Assessed by Teachers
- Moderated by AQA
- 100 Marks
- 40% of GCSE

Expectations

- 60% of AQA GCSE PE is theoretical. Students should have an interest in learning about the body and mind in sport.
- Students should be attending after school sports clubs regularly.
- Students should be playing competitive sport, both inside and outside of school.
- 30% of student's grades will come from three practical sports. Students should be willing to play and learn a variety of sports.
- Students will also complete a piece of coursework analysing and evaluating how to bring about improvement in one activity.

Guidance on how the course supports future academic pathways or careers.

- Study A-Level Physical Education at Wymondham College.
- Undertake the Btec Level 3 Extended Diploma in Sport Course. This is the equivalent of 3 A-Levels and offers students the opportunity to study sport full time.
- Both courses can support careers in teaching, coaching, strength and conditioning, nutrition, and a range of careers in sport and leisure industry.

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Options
Subject: Sciences

An overview of your subject. Course structure and content.

Students all begin their GCSEs by studying the same content. This is refined over the course of Y9 – Y11, to make sure that our students are studying the most appropriate curriculum by Y11.

- Year 9
  - All students study a common curriculum, providing a foundation in Biology, Chemistry and Physics. Performance reviewed at the end of the year
- Year 10
  - Most students will continue with the Triple Science content, providing a good range and depth of curriculum content
  - Some students will be chosen to study Combined Science, allowing a reduced content and more time to cover the required curriculum
- Year 11
  - Further refinement of curriculum will allow students to be entered for the most appropriate course of study. This will be either
    - Triple Science (Higher)
    - Combined Science (Higher)
    - Combined Science (Foundation)

	Y9	Y10	Y11
Biology	Cells Organisation	Infection and response Bioenergetics Ecology	Homeostasis and Response Inheritance, Variation and Evolution
Chemistry	Atomic Structure Rates of reaction Organic chemistry Atmosphere	Bonding and Structure Periodic table Chemical change Energy Resources	Quantitative chemistry Equilibria Analysis Organic Chemistry
Physics	Atomic structure Nuclear decay Energy transfer Particle model	Particle model Atomic structure Forces	Waves Electromagnetism Space Physics

Expectations regarding student commitment, including workload and deadlines. Any coursework or practical elements involved.

- There is no coursework, however students will carry out a number of Required Practicals over the course of the curriculum. These practicals are part of the assessment material which could appear in GCSE exams.

- Prep is set by each teacher and could include
  - Carousel prep
  - Past Paper Questions
  - Prep booklet
  - Revision
  - Reading comprehension

Guidance on how the course supports future academic pathways or careers.

. Foundation for Further Education

- GCSE Sciences provide essential knowledge for A-levels in Biology, Chemistry, and Physics.
- They are also crucial for vocational qualifications such as BTECs in Applied Science or Health and Social Care.

2. Career Opportunities

- A strong science background is valued in fields such as medicine, engineering, environmental science, and technology.
- Many careers, including healthcare (nursing, physiotherapy) and forensic science, require a good understanding of scientific principles.

3. Transferable Skills

- Develops critical thinking, problem-solving, data analysis, and practical investigation skills.
- Employers value these skills in a range of careers, even beyond science-based roles.

4. University and Apprenticeship Prospects

- Many university courses, including medicine, veterinary science, and pharmacy, require science GCSEs.
- Science knowledge is also valuable for apprenticeships in fields such as laboratory science, engineering, and biotechnology.

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Options

SUBJECT: Sociology

Subject Overview

Sociology is the study of society. Throughout the GCSE we will look at the ways in which our behaviour, beliefs and identity are shaped by different social institutions and the world around us. Students will develop knowledge and skills so that they can investigate and critically analyse the social world, exploring issues such as gender, class, religion and crime. Studying sociology will

Expectations regarding student commitment, including workload and deadlines. Any coursework or practical elements involved.

An Introduction to Society and Social Sciences
The first part of the course focuses on developing knowledge and skills essential for the study of Sociology, whilst linking to other social sciences that are only available at A-Level. Students will gain an introduction to law and society, politics and power, through their study of sociology. The focus of the content will be around the central theme of the "Youth in Society." This will enable students to build the necessary knowledge and understanding in a field of study they have not had the opportunity to study in Year 7 and 8.

Paper 1
- The sociology of families
- The sociology o education
- Relevant areas of social theory and methodology

Paper 2
- The sociology of crime and deviance
- The sociology of social stratification
- Relevant areas of social theory and methodology

For all units, students will use their own knowledge and understanding of the entire course to evidence deeper understanding of the above topics.

Assessments
- Introduction to social sciences, written exam - 1 hour
- Paper 1, written exam - 1 hour 45 minutes
- Paper 2, written exam - 1 hour 45 minutes

NB This is an essay-based subject and will require a good memory, critical thinking and strong written communication. As students will not have studied sociology before, they will need to get quickly up to speed on a par with other GCSEs. Therefore, a motivated and determined approach is beneficial.

Guidance on how the course supports future academic pathways or careers.

Progression
Studying Sociology will develop analytical, assimilation and communication skills by comparing and contrasting different perspectives on a variety of social issues. Students will learn how to use knowledge and understanding to construct reasoned arguments to reach substantiated conclusions. These skills are transferable to a range of careers including - but not limited to - the caring professions, the diplomatic service, education, the media, or the Criminal Justice System; it will certainly provide a new perspective on the social world in which we live.

Contact Name
Ms C Lovatt – Head of Social Sciences

Contact Email
c.lovatt@wymcol.org

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Options

HISTORY

AQA

An overview of your subject. Course structure and content.

- There are FOUR topics taught across THREE years
- In Yr9 we teach **Britain: Migration, Empire and the People**
- In Yr10 we teach **Elizabethan England** and start Conflict & Tension: The First World War
- In Yr11 we complete **Conflict & Tension: The First World War** and teach **Germany, 1890-1945**
- There will be a 1hr exam on each of the four topics at the end

Expectations regarding student commitment, including workload and deadlines. Any coursework or practical elements involved.

- There are **FOUR** exams at the end of the course, which require extended writing, some of the marks are awarded for SPaG (Spelling, Punctuation and Grammar)
- Prep tasks will include revision that requires pupils to learn and memorise information
- There is no coursework

Guidance on how the course supports future academic pathways or careers.

- History is a highly-valued and respected academic subject that opens many different routes and career paths
- History is often referred to as an ‘enabling subject’ because it helps you to demonstrate important key skills including written communication, analysis and evaluation, handling sources of information, weighing evidence
- GCSE History is a good preparation for History, Politics, Law and other subjects at A Level in Sixth Form
- Careers that History will be helpful for including: law; journalism; public relations; civil service; and, teaching.

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Options

SUBJECT Edexcel Music

Subject Overview. Course structure and content

Paper or Component	Requirements	Mode of Assessment
Paper 1 Solo Performing Ensemble Performing	Candidates may perform one or more pieces Candidates may perform one or more pieces (at least 4 minutes combined duration)	15% Internally assessed/externally moderated 15% Internally assessed/externally moderated **Total = 30%**
Paper 2 Composition 1 Composition 2	One composition, written to a brief set by Pearson One free composition chosen by the candidate (at least 3 minutes combined duration)	15% Internally assessed/externally moderated 15% Internally assessed/externally moderated **Total = 30%**
Paper 3 Listening and appraising based on the four areas of study and set works seen below.	Written paper 1 hour 45 minutes Candidates to answer questions on all four Areas of Study	Externally assessed **Total = 40%**

Area of Study 1 - Instrumental Music 1700 – 1820 *J. S. Bach*: 3rd Mvt, Brandenburg Concerto No.5 in D Major *Beethoven*: 1st Mvt, Piano Sonata in C Minor 'Pathetique'
Area of Study 2 - Vocal Music *Purcell*: Music for a While *Queen*: Killer Queen (Sheer Heart Attack)
Area of Study 3 - Music for Stage and Screen *Schwartz*: Defying Gravity (Cast recording of Wicked) *Williams*: Main Title (Star Wars Episode IV: A New Hope)
Area of Study 4 -Fusions *Afro Celt Sound System*: Release (Volume 2: Release) *Esperanza Spalding*: Samba Em Preludio (Esperanza)

Expectations regarding student commitment, including workload and deadlines. Any coursework or practical elements involved.

Commonly asked questions

1. Do you need to play a musical instrument to do GCSE – Yes.
2. Does singing count as an instrument – Yes.
3. Do you need any music grades to do GCSE? No, but to get a Level 9 you have to play or sing grade 4/5 pieces well. Students can still learn and perform grade 4 pieces even if they haven't taken the grade 4 exam.
4. Do you need grade 5 theory to do GCSE Music. No, but it would certainly help. We hope students have grade 5 theory if they are going to take the A Level.
5. Does the College pay for instrumental lessons for GCSE Music students ? No.
6. Do GCSE music students have to join at least one extra-curricular music club. Yes, these extra-curricular clubs can be very beneficial to reinforcing a lot of what is required in the GCSE specification. Students, who attend clubs will get higher levels than those that don't.
7. Do you need to be able to read music to do GCSE. Yes. If you couldn't read music you would have to learn how to as part of the course. It would mean you were already behind a lot of the students that take GCSE Music
8. Could you do A Level music without doing the GCSE first. Yes, you could but only if you were a very good performer at grade 6 level or above and you had grade 5 theory. It would be much harder without having done GCSE. There would be a lot of vocabulary catching up to do.
9. Can you still participate in all the musical extra-curricular activities and events if you don't do GCSE. Yes, you can.
10. Will I just have one Music teacher? No, Mrs Shingleton and Mr Day share all the GCSE classes so you will be taught by both teachers.
11. Is GCSE Music an easy option? Certainly Not, but it is an enjoyable one as 60% of the course is practical performing and creative composition. There is not a lot of essay writing as in some other subjects. It is a fun subject to take.

Guidance on how the course supports future academic pathways or careers.

Study A-Level Music at Wymondham College.

Future possible career pathways.

- Arts Administrations – Orchestras, Libraries, Concert Halls.
- Music Journalism.
- Music Education.
- Composers – Film, TV, Games, Popular Music.
- Music Industry – Studios, Promoting Artists, Publicity, Record Labels.
- Performers.

edexcel

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Edexcel: Art & Design: Photography

The Edexcel GCSE Art and Design specification does not prescribe ways of working. Instead, it encourages **innovative and imaginative responses** from students in their interpretation of the requirements of the specification. The process of studying art is an ongoing visual enquiry that **has an infinite number of creative possibilities**- Edexcel.

An overview of your subject. Course structure and content.

Year 9	TECHNIQUES	
	UNIT 1: 60%	**UNIT 2: 40%**
Year 10/11	REFLECTIONS POWER start.	
Year 11	POWER	Unseen theme

Year 9.
Introductions to photography techniques.
We cover:

- ❑ Photoshop edits.
- ❑ Digital camera control.
- ❑ Lighting and composition.
- ❑ Physical manipulation of photographs.

Year 10.
Reflections START.
Mock 10 hour timed assessment: Spring term.

Power START: Summer term.
Year 11.
Mock 10 hour timed assessment: Autumn term.

UNIT TWO: 40%: starts in Year 11 January
Unseen theme

Expectations regarding student commitment, including workload and deadlines. Any coursework or practical elements involved.

The Edexcel GCSE Art and Design specification encourages innovation and imagination when addressing the four distinct Assessment Objectives; Development of an idea (AO1); Refinement and Experimentation (AO2); Recording (AO3); and Presenting (AO4).

- 5 x 1 hour lessons per fortnight.
- 1 hour minimum prep tasks set per week.

This course is 60% coursework and has an ESA unit worth 40% of your GCSE.

There is a 10 hour timed examination sat at the end of Year 11, with it's purpose to produce a final outcome celebrating the prep work leading up to this. This is across 2 school days.

You will have 2 opportunities, 1 in Year 10 and 1 in Year 11 to practice what 10 hours feels like in exam conditions in the form of mock exams. These are also in place to help you produce final outcomes for your projects:
REFLECTIONS and POWER

Total outcomes: 3
Total projects submitted: 3

Guidance on how the course supports future academic pathways or careers.

ALEVELs it prepares you for: Photography or an Art related subject.
Requirements: Grade 6 or above.

Lots of students go on to take photography for A Level or go onto complete a photography/film course.

The course will expose you to:

- Live artwork via galleries, workshops and exhibitions.
- Competitions to get involved with.
- Trips to London.

Hosting your own exhibition at The Forum [Year 11] and in school to your parents/carers [Year 10].

Year 10 exhibition

London trip: TATE/ V&A/ Saatchi

GradsFest, NUA

The Forum, Norwich

edexcel

WYMONDHAM COLLEGE

FLOREAT SAPIENTIA

Wymondham College

Edexcel: Art & Design: Textiles

The Edexcel GCSE Art and Design specification does not prescribe ways of working. Instead, it encourages **innovative and imaginative responses** from students in their interpretation of the requirements of the specification. The process of studying art is an ongoing visual enquiry that **has an infinite number of creative possibilities**- Edexcel.

An overview of your subject. Course structure and content.

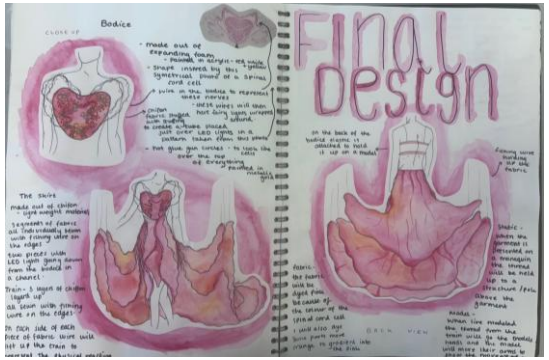
Year 9	ENVIRONMENTS	
	UNIT 1: 60%	**UNIT 2: 40%**
Year 10/11	REFLECTIONS POWER start.	
Year 11	POWER	Unseen theme

Year 9: Environments.
Introductions to textiles techniques:

- ❑ Fastenings and construction processes.
- ❑ H&S of the textile equipment
- ❑ A range of print, embroidery and fabric manipulation processes.
- ❑ Fashion illustration.

Year 10: Reflections START.
Mock 10 hour timed assessment:
Spring term.

Power START: Summer term.
Year 11.
Mock 10 hour timed assessment:
Autumn term.



UNIT TWO: 40%: starts in Year 11 January
Unseen theme.

Expectations regarding student commitment, including workload and deadlines. Any coursework or practical elements involved.

The Edexcel GCSE Art and Design specification encourages innovation and imagination when addressing the four distinct Assessment Objectives; Development of an idea (AO1); Refinement and Experimentation (AO2); Recording (AO3); and Presenting (AO4).

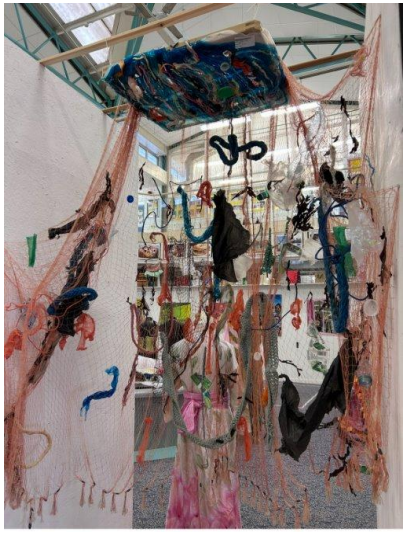
- 5 x 1 hour lessons per fortnight.
- 1 hour minimum prep tasks set per week.

This course is 60% coursework and has an ESA unit worth 40% of your GCSE.

There is a 10 hour timed examination sat at the end of Year 11, with it's purpose to produce a final outcome celebrating the prep work leading up to this. This is across 2 school days.

You will have 2 opportunities, 1 in Year 10 and 1 in Year 11 to practice what 10 hours feels like in exam conditions in the form of mock exams. These are also in place to help you produce final outcomes for your projects:
REFLECTIONS and POWER

- Total outcomes: 3
- Total projects submitted: 3



Guidance on how the course supports future academic pathways or careers.

ALEVELs it prepares you for: Textiles or an art related subject.
Requirements: Grade 6 or above.

Lots of students go on to take Textiles for A Level or go onto complete a fashion course.

The course will expose you to:

- Live artwork via galleries, workshops and exhibitions.
- Competitions to get involved with.
- Trips to London.

Hosting your own exhibition at The Forum [Year 11] and in school to your parents/carers [Year 10].

Year 10 exhibition

London trip: TATE/ V&A/ Saatchi

GradsFest, NUA

The Forum, Norwich