Art and Design

'Creativity takes courage.' - Henri Matisse

Why study GCSE Art and Design?

Art and Design equips you with the skills to enjoy, produce and engage with the visual arts throughout their lives, and it has immense value as a GCSE subject. GCSE Art and Design provides the opportunity for you to explore both contemporary and historical sources of art, craft and design first hand through, for example:

- visiting museums, galleries, art shows and fairs
- experiencing audio-visual productions, including still and moving imagery
- their surroundings and environments
- take an individual approach to their art, craft and design making
- develop the skills of selecting their best and most appropriate work for presentation.

You will be required to actively engage in the creative process of art, craft and design in order to develop as effective and independent learners, and as critical and reflective thinkers with enquiring minds.

Course Information

The GCSE covers a range of activities and in-depth assignments and you will have the opportunity to experiment with different media in order to explore your strengths and preferences. There are a wide range of options and you may choose to work in several areas; the main aim being to develop visual language skills and to build a comprehensive portfolio of work.

Drawing is an explicit requirement in GCSE Art and Design, and students will be expected to use drawing to support the development process within their chosen area(s) of study. However, students are not required to demonstrate technical mastery of drawing skills unless this is appropriate to their chosen area(s) of study. Rather, we want to see all students using mark-making as a way of developing and expressing their ideas.

Internal Assessment

All units are internally assessed and externally moderated by the exam board.

Component 1 - Personal Portfolio (60%)

From centre-set theme(s) in consultation with students, you will produce a portfolio of work demonstrating knowledge, understanding and skills, and comprising supporting studies and personal response(s)

Component 2 - Externally Set Assignment (40%)

The culmination of the GCSE course, students create a piece from an externally-set theme. The Academy will devise a period of preparatory study in which students create preparatory studies and you will then have a 10-hour sustained focus period in which to produce personal response(s)

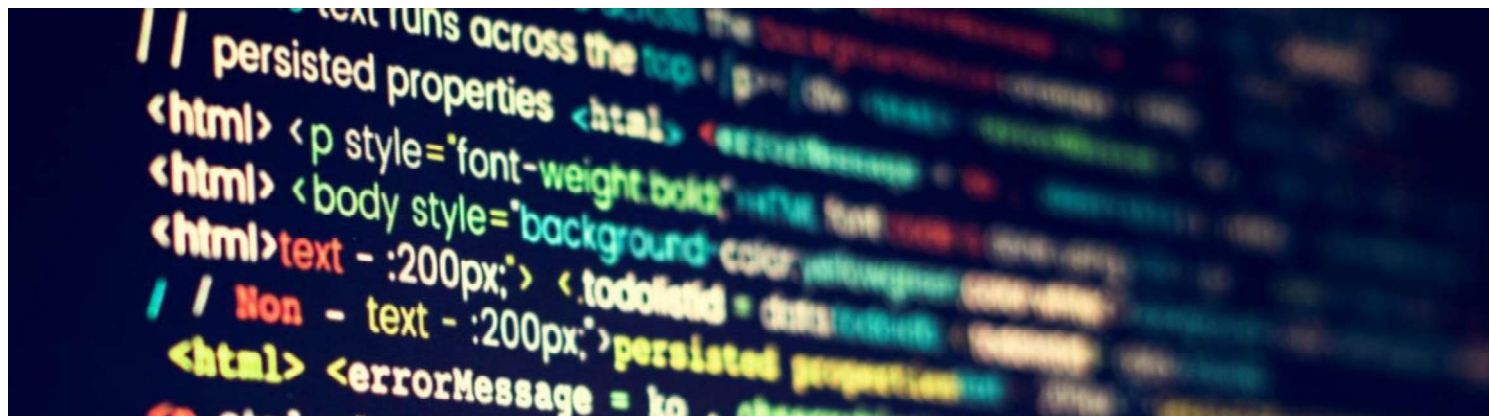| Course Title	Exam Board	Specification Code	Website
Art & Design	Edexcel	1FA0	qualifications.pearson.com

Students achieving a good grade at GCSE can continue their studies at A level, which can lead to study at a Foundation Course in Art and/or a degree in various areas of Art and Design, for example Architecture, Interior Design, Product Design, Fashion, Photography, Graphic Design and Fine Art. There are also many careers that a GCSE in Art & Design can help you access, including: Practising Artist, Community artist, Exhibition Organiser, Arts Administrator, Lecturer, Art Consultant, Gallery Manager, Researcher, Curator, Teacher, Image Retoucher, Art Therapist, Arts Conservationist, Studio Manager, Gallery Technician, Artist Assistant, Art Handler, Writer/Critic, Gallery Education Officer , Animation, Fashion Communication and Promotion, Games Art and Design, Illustration, Fashion, Games Development, Interior Design, Textile Design, Architecture, Film and Moving Image Production, User Experience Design, Graphics, Photography, VFX, Acting, Fashion Marketing and Business .

There are 3 Million jobs in the creative economy and growing twice as fast as the rest of the UK workforce. That's 1 in 11 jobs in the UK.

Director of Faculty: Mr Bate

Computer Science

'Computer science is the operating system for all innovation.' - Steve Ballmer

Why study Computer Science?
- High demand for qualified Computer Scientists (key Government strategy) Highly challenging, but highly rewarding
- Key skills of computational thinking improve all areas of learning
- Develops logical thinking and problem solving
- Learn how computers work
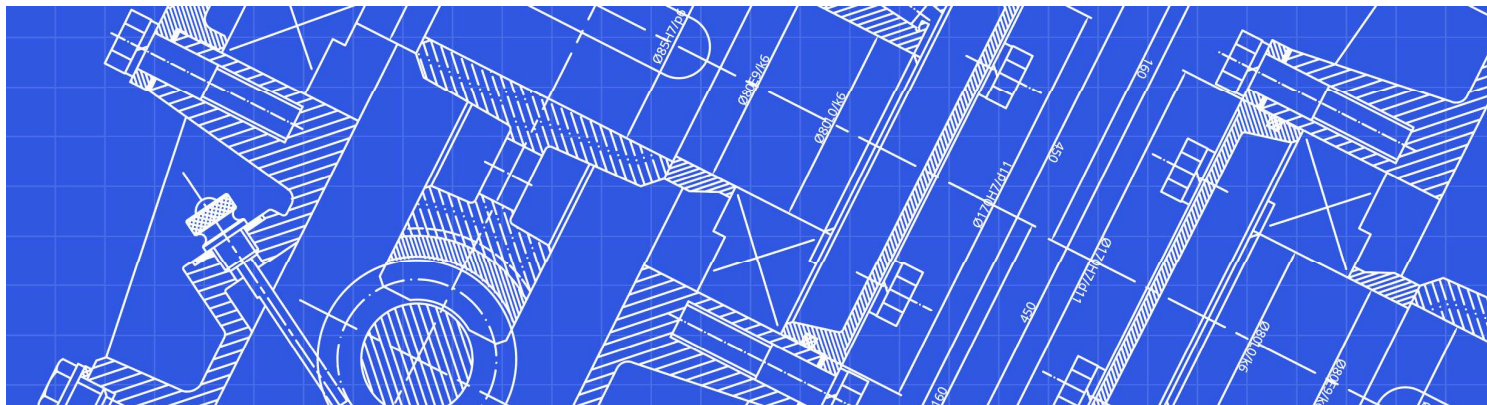
Course Information

You will study:
- Algorithms
- Programming
- Data representation
- Computer Systems
- Networks
- Cyber Security
- Databases and SQL
- Ethical, legal and environmental impacts of digital technology on wider society

External Assessment
Paper 1: Computation thinking and programming skills - 50% of GCSE Computational thinking, code tracing, problem-solving, programming concepts including the design of effective algorithms and the designing, writing, testing and refining of code. **Paper 2: Computing Concepts – 50% of GCSE** Fundamentals of data representation, computer systems, fundamentals of computer networks, cyber security, relational databases and structural query language (SQL), and ethical, legal and environmental impacts of digital technology on wider society, including issues of privacy.

Course Title	Exam Board	Specification Code	Website
Computer Science	AQA	8525	www.aqa.org.uk

GCSE Computer Science will help you to develop your logic skills, it will be useful for you if you would like a career in Computing (Cyber security, software development, teaching, technician, network manager etc.) and will prepare you for studying Computer Science at a higher level.
Director of Faculty: Mr Bate

Design and Technology

'Design is not just what it looks like and feels like. Design is how it works.' - Steve Jobs

Why choose Design and Technology?

The 2016 World Economic Forum in Davos listed the ten skills workers will need to acquire by 2020. Design and Techology provides experience in all of those skills: complex problem-solving, critical thinking, creativity, people management, coordinating with others, emotional intelligence, judgement and decision making, service orientation, negotiation and cognitive flexibility. As part of the course we will cover graphics, resistant materials, electronics, product design, textiles and systems and control.

Design and Technology will allow you to:

- Understand what people want
- Create fantastic designs using new tools, materials and processes
- Make brilliant products using CAD, CAM and 3D printing
- Work in teams and individually
- Develop empathy and a connection to others
- Understand materials
- Understand how things work
- Have the freedom to be creative
- Design and make real things
- Solve real-world problems
- Future proof your prospects
- Have control over your life and environment

Internal Assessment	External Assessment
Non-exam assessment - 50% of the qualification Marked internally and externally moderated A sustained design and make task, assessing your ability to: • Identify, investigate and outline design possibilities • Design and make prototypes • Analyse and evaluate design decisions and wider issues in design and technology	Written exam - 50% of the qualification Tests your knowledge and understanding of: • Technical principles • Design and making principles Test your ability to: • Analyse and evaluate design decisions and wider issues in design and technology

Course Title	Exam Board	Specification Code	Website
Design and Technology	AQA	8464	www.aqa.org.uk

Design and Technology is vital to the economy, with areas such as fashion and textiles, the creative industries and engineering contributing massively to our futures. We need to make the world better, safer and cleaner and the UK leads in designing and developing new processes and products that lead to this.

You could go on to study Design and Technology at Level 3 and beyond, opening up options for higher education and jobs in the design and creative sectors.

Director of Faculty: Mr Bate

Food Preparation & Nutrition

'Cooking is the ultimate giving.' - Jamie Oliver

Why study Food Technology?
An understanding of food science and nutrition allow us to make better informed decisions about diet. Food preparation knowledge and skills will allow us to facilitate lifestyle choices and turn those ideas into amazing foods to eat and drink.

Course Content
Learners should be given the opportunity to develop their knowledge and understanding of the following six areas of content:
- Food commodities
- Principles of nutrition
- Diet and good health
- The science of food
- Where food comes from
- Cooking and food preparation

Internal Assessment	External Assessment
Non-Examined Assessment - 50% of the GCSE **Assessment 1:** The Food Investigation Assessment 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 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. These assessments will be based on a choice of tasks released by Eduqas annually.	**Written Exam - 50% of the GCSE** The Principles of Food Preparation and Nutrition consisting of two sections both containing compulsory questions and will assess the six areas of content. Section A: questions based on stimulus material. Section B: structured, short and extended response questions to assess content related to food preparation and nutrition.

Course Title	Exam Board	Specification Code	Website
Food Preparation & Nutrition	Eduqas		eduqas.co.uk

Career Opportunities:
- Chef / Cook
- Nutritionist
- Dietitian
- Dietetic Specialist
- Food Service Manager
- Health Educator

Director of Faculty: Mr Bate

ICT - Creative iMedia

Why study *ICT*?

Technology and ICT is constantly used in everyday life.

The majority of jobs require you to have ICT skills.

Allows you to use software that you may not normally use.

Encourages you to be creative

Course Information – what you will study:

Unit R081:

Understand the purpose and content of pre-production

Be able to plan pre-production

Be able to produce pre-production documents

Be able to review pre-production documents

Unit R082: Creating digital graphics

Understand the purpose and properties of digital graphics

Be able to plan the creation of a digital graphic

Be able to create a digital graphic

Be able to review a digital graphic

The other two units still need to be selected but these could cover, design a multipage website, creating a digital animation, designing a game, 2D and 3D characters, storytelling with a comic strip, creating interactive multimedia products.

Internal Assessment	External Assessment
Three controlled assessments, worth 25% of the qualification each: R082 Creating digital graphics TBC TBC	**Written exam - 25% of the qualification** This unit will enable learners to understand pre-production skills used in the creative and digital media sector. It will develop their understanding of the client brief, time frames, deadlines and preparation techniques that form part of the planning and creation process.

Course Title	Exam Board	Specification Code	Website
Cambridge National in Creative iMedia	OCR	J817	www.ocr.org.uk

Most jobs use ICT and the skills you will learn will be very useful when you go to college or 6th form.

Director of Faculty: Mr Bate

Music

What does GCSE Music give me?

- Fulfilment
- Confidence and self esteem
- Enjoyment
- Motivation
- Academic achievement
- Independent learning
- Team work
- Performance and presentation skills
- Listening
- Analytical and essay writing skills
- Creativity and self-expression

What is included in GCSE Music?

There are four areas of study covering listening skills, performance skills and composition skills:

- Western classical tradition 1650-1910 (e.g. Haydn, Mozart et. al)
- Popular music (e.g. Sgt. Pepper's Lonely Hearts Club Band; Little Shop of Horrors)
- Traditional music (e.g. Paul Simon - Graceland, Diamonds on the Soles of Her Shoes, You Can Call Me Al)
- Western classical tradition since 1910 (e.g. Copland, Kodály et. al.)

A study and understanding in all of these areas of:

- Melody
- Harmony
- Tonality
- Structure
- Sonority (timbre)
- Texture
- Tempo, metre and rhythm
- Dynamics and articulation

Pre-requisites for the course

You either must:

- Be able to play an instrument to Grade 3 standard or above *or* be a confident singer, willing to work on your voice *or*
- Be willing to learn an instrument or learn to sing well

Internal Assessment	External Assessment
Music performance: 30% of the qualification Two performances, one as a soloist and one as part of an ensemble, as an instrumentalist or vocalist. Marked internally and externally moderated. **Music composition: 30% of the qualification** Two compositions, one to a brief set by the exam board and a second, free choice composition, with accompanying performance and evaluation. Marked internally and externally moderated.	**Written exam: 40% of the qualification** Exam paper with listening exercises and written questions using excerpts of music.

Course Title	Exam Board	Specification Code	Website
Music	AQA	8271	www.aqa.org.uk

GCSE Music opens the door to further study of music at Level 3 and beyond. You could have a career as a musician, sound technician, community musician, music therapist, teacher, private tutor and myriad other careers in the music industry. Arts and creative industries are also popular, such as working in film, TV, theatre, radio, arts administration or creative education. Many doctors, lawyers and accountants have qualifications in music - music is a highly regarded, academic subject and can help lead to a professional career.

Director of Faculty: Mr Bate