

Technology careers in **CREATIVE iMEDIA**

WHAT IT'S ALL ABOUT:

Creative iMedia is a new digital design course that covers a variety of creative modules. You will have the exciting opportunity to use high level computer programs that digital designers use in industry.

During the course, you will complete three different modules with a focus on a wide range of topics such as; Digital Photography, Digital Animation, Games Development and Website Design. (Modules will be selected based on the class's strengths and ability.)

At the end of the course, you will be awarded a level 2 Certificate in Creative iMedia, which is equivalent to a GCSE grade. This is recognised by colleges, universities and employers worldwide. It will enable you to progress onto a further education design or media course such as Digital Graphics or Games Development.

WHY YOU SHOULD STUDY IT:

- 1** The UK's creative industries contributed £91.8 billion to the economy in 2016 because the future of design and technology is growing every day!
- 2** 2.3 billion people had direct access to a smart phone in 2016! Designing apps and digital media is currently one of the most relevant jobs in the world!
- 3** Creative iMedia is a hands on, practical approach to learning meaning that 75% of your final grade is coursework completed in school!
- 4** This course will teach you valued transferable skills such as; planning, presenting, collaborating, communicating & creative thinking! All of which are necessary in any career!
- 5** The creative sectors account for 2.8 million jobs in the UK and the demand for digital designers is at an all-time high! You would be very employable!

DIGITAL ANIMATOR



Creative Animators create computer generated animations for advertising and entertainment purposes. You could work at Disney Pixar!

Average Pay = £33,000

GRAPHIC DESIGNER



Graphic Designers create digital designs such as logos, advertisements, magazines, packaging and websites. You could work for Pentagram!

Average Pay = £33,000

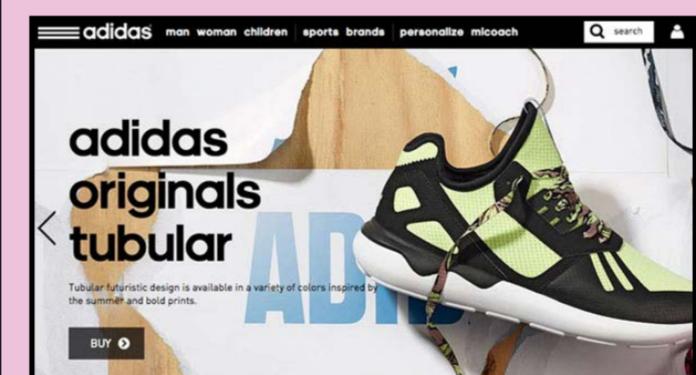
GAMES DEVELOPER



Games Developers design characters and backgrounds for video games, deciding how the game will look and work. You could work for EA Games!

Average Pay = £40,000

WEB/APP DESIGNER



Web and App Designers create visual designs for websites and mobile applications, deciding how they will look and work. You could work for Google!

Average Pay = £40,000

DIGITAL ILLUSTRATOR



Digital Illustrators create illustrations (drawings) for fashion magazines, books, advertisements and packaging. You could work for Marvel!

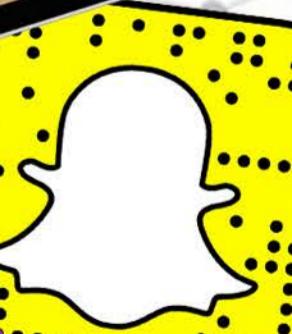
Average Pay = £35,000

TRAVEL PHOTOGRAPHER



Travel Photographers get paid to travel the world, taking and selling photographs of people, places and nature. You could work for National Geographic!

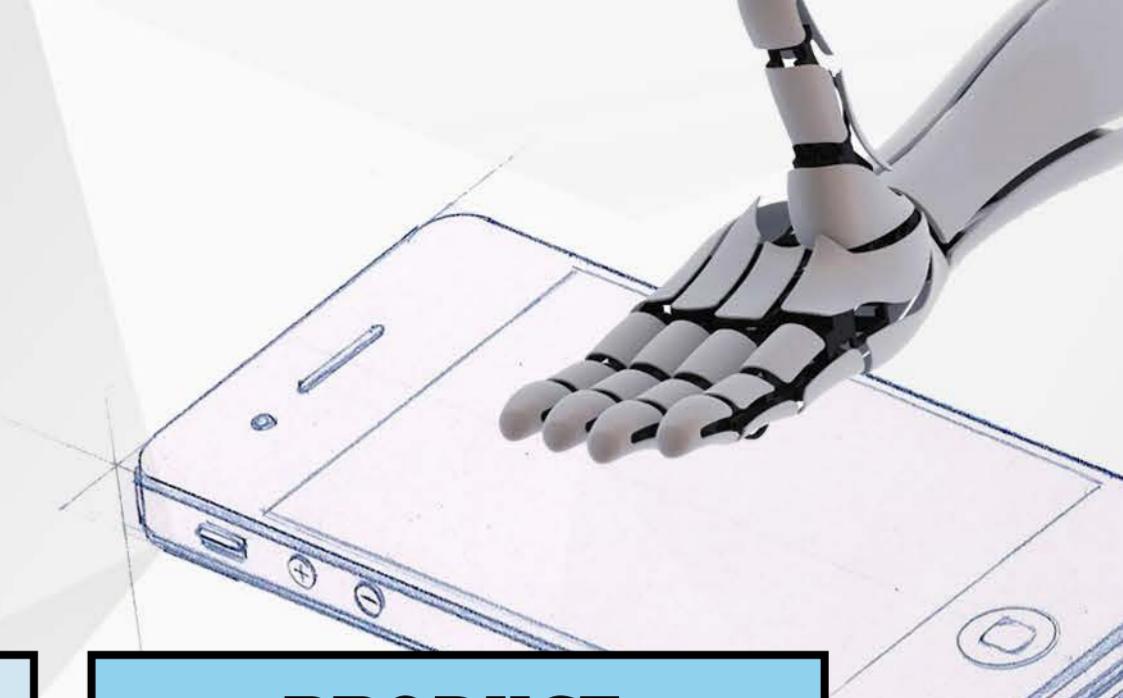
Average Pay = £30,000



2D DESIGN



Technology careers in **DESIGN & TECHNOLOGY**



WHAT IT'S ALL ABOUT:

Design & Technology is about designing, developing and making creative new solutions that solve a problem. You will study core technical and designing and making principles, including a broad range of design processes, materials, techniques and equipment. You will also be able to build up your creativity, problem solving, planning and evaluation skills. You will also gain communication and teamwork skills.

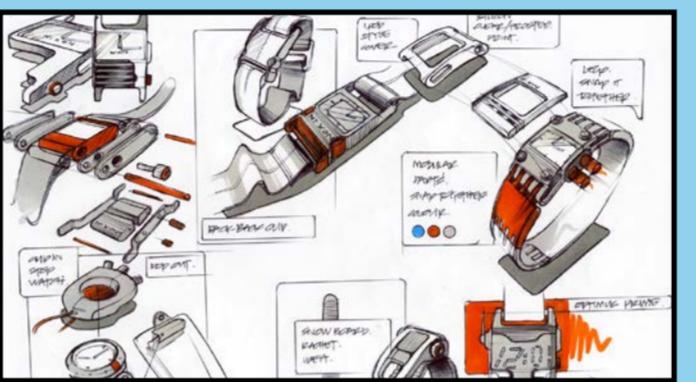
In Year 10, you will work through a number of focused practical tasks which aim to cover the core & specialist technical principles assessed within the written exam in Year 11. You will look at Resistant Materials, Product Design, Systems and Control and Textiles. In Year 11, you will complete a 35 hour controlled assessment piece in response to a design brief.

This GCSE will allow you to continue your education onto a college course such as Product Design or Engineering.

WHY YOU SHOULD STUDY IT:

- 1** The UK's creative industries contributed £91.8 billion to the economy in 2016 because the future of Design & Technology is growing every day!
- 2** Both the Royal Academy of Engineers and the Design Council consider Design & Technology to be a vital subject for growth in their industries.
- 3** The UK has the largest design industry in Europe, and the second in the world, after the US - meaning that you will be very employable!
- 4** The creative industries are outperforming the UK economy as a whole. Design is a key engine within this; its contribution is growing faster than any other sector.
- 5** The creative sectors account for 2.8 million jobs in the UK and the demand for designers is at an all-time high! There will not be a shortage of jobs in this area!

PRODUCT DESIGNER



Product Designers use their design skills and technical knowledge to improve the way that existing or new products work/look. You could work for Apple!

Average Pay = £26,000

GRAPHIC DESIGNER



Graphic Designers create digital designs such as logos, advertisements, magazines, packaging and websites. You could work for Pentagram!

Average Pay = £33,000

PRODUCT ENGINEER



Product Engineers design and develop devices or systems such as electronic products that solve user problems. You could work for NASA!

Average Pay = £65,000

INTERIOR DESIGNER



Interior Designers make indoor spaces functional, safe & beautiful by selecting decorative items, such as colours, lighting & materials. You could work for Laura Ashley!

Average Pay = £25,000

ARCHITECT



Architects design and plan buildings' layouts. They have to consider mathematics and physics to ensure that the buildings will work, be accurate & safe.

Average Pay = £50,000

FASHION DESIGNER



Fashion Designers study trends & sketch the initial clothing or accessory design. They attend shows or visit manufacturers to select fabrics and trims. You could work for Gucci!

Average Pay = £47,000



SketchUp



Technology careers in COMPUTER SCIENCE

WHAT IT'S ALL ABOUT:

This exciting GCSE gives you an excellent opportunity to investigate how computers work and how they're used, and to develop computer programming and problem-solving skills. You'll also do some fascinating in-depth research and practical work. Computing also counts towards the EBacc.

Students will gain practical experience of designing, writing and testing computer programs, develop the ability to reason, explain and evaluate computing solutions and develop awareness of current and emerging computing trends.

Some of the key features of GCSE Computer Science are: Algorithms, binary & data representation, data storage, compression, encryption & databases, components of computer systems, truth tables and logic statements, reading & interpreting assembly code, computer networks, emerging technology trends & the World Wide Web.

WHY YOU SHOULD STUDY IT:

- 1** High Paid Jobs! Excellent starting salaries and high wage opportunities – you just have to look at the examples mentioned here.
- 2** There is a huge range of career pathways: Computer technology is part of nearly everything nowadays! Ever thought of a career in biotechnology, nanotechnology or robotics?
- 3** Computer Science is very creative. Every single day, people all over the world will use things that you help create, and you'll understand exactly how it all works.
- 4** So much of computer science is practical. You don't have to just learn and understand theories, you often get to make things, change things and actually apply what you've learned everywhere!
- 5** Your family & friends will admire your knowledge & count on you to fix all of their computing problems. Help Mum with the Google, please, she can't figure it out. Computing is cool!

WEB DEVELOPER



Web Developers create website layout & integrate graphics & applications. They also write web-design programs & computer languages, such as HTML or JavaScript.

Average Pay = £30,000

COMPUTER PROGRAMMER



A Computer Programmer figures out the process of designing, writing, testing, debugging/troubleshooting and maintaining the source code of computer programs.

Average Pay = £45,000

GAMES DEVELOPER



Games Developers design characters and backgrounds for video games, deciding how the game will look and work. You could work for EA Games or Nintendo!

Average Pay = £40,000

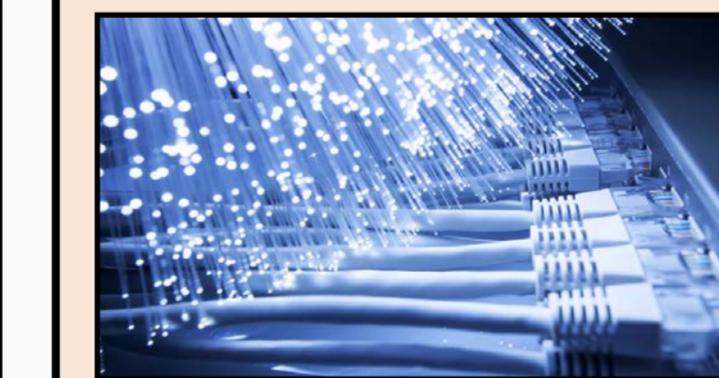
COMPUTER SYSTEMS ANALYST



Computer Systems Analysts study a company's current computer systems & design information systems solutions to help the company operate more efficiently & effectively.

Average Pay = £56,000

NETWORK SYSTEMS ADMINISTRATOR



Computer Systems Administrators are responsible for the day-to-day operation of company networks. They organise, install, and support a company's computer systems.

Average Pay = £26,000

IT CONSULTANT



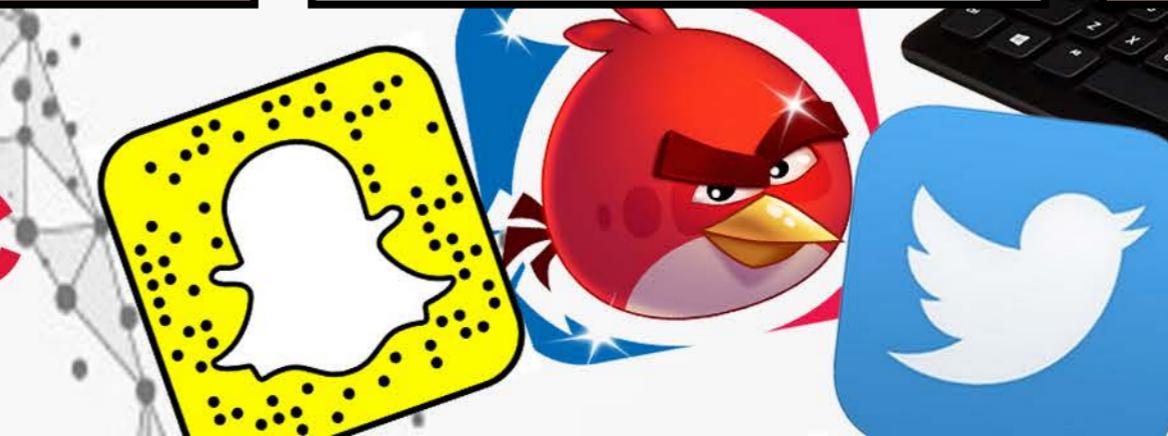
An IT Consultant works in partnership with clients, advising them how to use information technology in order to meet their business objectives or overcome problems.

Average Pay = £45,000

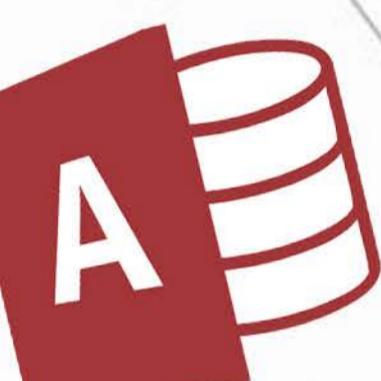


Microsoft

Google



python



Technology careers in FOOD & NUTRITION

WHAT IT'S ALL ABOUT:

This is a two year course that is split between focused practical activities, theory work and mini projects before completing the controlled assessment and a written examination.

Food Preparation & Nutrition is a GCSE subject. It allows pupils to extend their food skills and gain a greater understanding of the working properties of a wide range of ingredients. Pupils will spend a large amount of their time learning through practical sessions with theory being taught alongside.

Pupils will gain knowledge of the following food areas:

- Food Nutrition and Health
 - Food Science
 - Food Safety
 - Food Choice
 - Food Provenance
 - Food Commodities

WHY YOU SHOULD STUDY IT:

- 1 If you would like to enter a career associated with the health and well being of individuals, then this is the GCSE for you!
- 2 If you have an interest in food science and technology: understanding the composition of food and, in a way, 'reinventing' it, then this is also the GCSE for you!
- 3 If you love science and are interested in food production and preparation, this could be an ideal subject for you.
- 4 The food and drink sector is the UK's largest manufacturing sector – 16% of the UK's total manufacturing sector – employing 400,000 people directly in the UK – and as many as 1.2 million in related food services.
- 5 The sector requires 137,000 new recruits, 45,000 will be for managerial roles and professional occupations (33%).

CLINICAL DIETITIAN



Clinical Dietitians provide medical nutrition therapy for patients in places such as hospitals & nursing homes by implementing personal nutrition plans.

Average Pay = £36,000

FOOD TECHNOLOGIST



Food Technologists research & develop new food & drink products and/or improve the quality of existing products, making them suitable for different consumers.

Average Pay = £26,000

NUTRITIONAL THERAPIST



Nutritional Therapists work with individuals to alleviate & prevent illness & disease, as well as to promote good health, by making dietary recommendations.

Average Pay = £30,000

EXECUTIVE CHEF



Executive Chefs are responsible for maximizing the productivity of kitchen staff, including chefs, cooks, culinary assistants, apprentices, sous chefs, & even dishwashers.

Average Pay = £56,000

QUALITY MANAGER



Quality Managers aim to ensure that the product or service an organisation provides is fit for purpose, is consistent & meets both external & internal requirements.

Average Pay = £72,000

PUBLIC HEALTH NUTRITIONIST



A Public Health Nutritionist is an expert in diet & nutrition who works to improve public nutritional habits instead of working one on one with individual clients.

Average Pay = £38,000

Nutrition Facts	
2/3 cup (55g) Container About 8	
Calories from Fat	
% Daily Value	
12g	12%
5g	5%
0g	0%
7g	7%
12g	12%
16g	16%
Vitamin A	10%
Vitamin C	8%
Calcium	20%
Iron	45%
*Percent Daily Values are based on a 2,000 calorie diet. Your daily value may be higher or lower depending on	
Calories:	2,000
Less than	65g
Less than	20g
Less than	25g
300mg	300mg
Less than	2,400mg
Carbohydrate	2,400mg
Dietary Fiber	2,400mg