Computer Science and ICT Options at Ratton School

GCSE Computer Science (9-1) - J277

Creative iMedia OCR Level 1/2 J834

Which one should you pick

You should pick Computer Science if you enjoy...

- Learning about how computers work
- Programming
- Learning how computers impact our world

Or you enjoyed these topics:

- Python
- Data Science
- Networks
- AI and Machine Learning
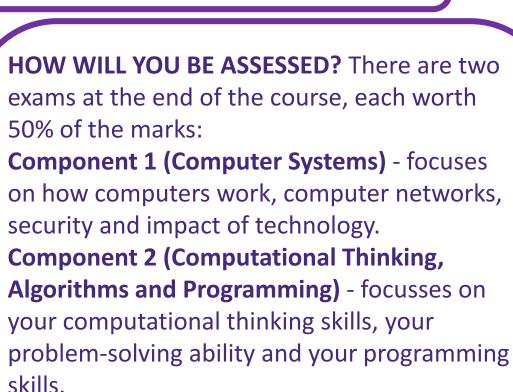
You should pick Creative iMedia if you enjoy...

- Using computers in a creative way
- Making digital art
- Seeing how media products like films are made

Or you enjoyed these topics:

- Blender
- Digital Images

GCSE COMPUTER SCIENCE - This course provides a solid basis of understanding in order to engage and think about real world application of Computer Science.

QUALIFICATION DETAILS OCR GCSE Computer Science (9-1) COURSE OUTLINE You will analyse problems in computational terms through practical experience of solving problems, including designing, writing and debugging programs. Computer Science will allow you to think creatively, innovatively, analytically, logically and critically. The course will allow you to understand the components that make up digital systems, and how they communicate with one another and with other systems. As well as this you will consider the impacts of digital technology to the individual and to wider society.

HOW WILL YOU BE ASSESSED? There are two exams at the end of the course, each worth 50% of the marks:
Component 1 (Computer Systems) - focuses on how computers work, computer networks, security and impact of technology.
Component 2 (Computational Thinking, Algorithms and Programming) - focusses on your computational thinking skills, your problem-solving ability and your programming skills.
There is also a compulsory programming task to complete. This is assessed through Component 2

PROGRESSION ROUTES Computer Science is a very effective foundation for further study at A-level and at university. It teaches problem-solving skills which are extremely useful in many areas of study including Engineering, Medicine, Electronics and any Sciences. C

CAREER PROSPECTS Tech skills, including Computer Science, are in short supply, which means that there are lots of opportunities in careers such as software development, cyber-security, network consultancy and many others. These types of careers tend to be challenging, exciting and often well-paid.

CNAT Creative iMedia

QUALIFICATION DETAILS Throughout the course you will explore the inner workings of the media industry including media sectors and products, job roles, planning techniques and media distribution.

In the course you will learn practical and theoretical skills used to produce creative and innovative media products. With one benefit being many of the skills are transferrable into other careers

HOW WILL YOU BE ASSESSED?

R093 – The Media Industry – Exam
The exam will focus on the following:
- The media Industry
- Factors influencing product design
- Pre-production Planning
- Distribution considerations

R094 – Visual Identity and Design -
 Coursework
This unit focuses on how brands use logos, colour, slogans and more to create an identity

R096/97/99 – Coursework
You will complete your final piece of course on an aspect from the following:
- Animation with Audio
- Interactive digital media
- Digital games

PROGRESSION ROUTES Choosing Creative iMedia will provide you with a great foundation to pursue further learning such as the Creative iMedia Level 3 course, website design or even game design at KS5.

CAREER PROSPECTS Progressing in the Media route can allow you to seek a wide variety of careers in the media industry. From internet content creation to game design to even film and TV production. The avenues are endless

Any questions please email:
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