



THE COMPUTER SCIENCE & IT DEPARTMENT

Computer Science and IT is a very successful department currently delivering two distinct courses with a third course in Computer Games Development and Cyber Security commencing in September 2018. A-Level Computer Science and BTEC Nationals IT (Level 3) are both popular subjects and the new course has already generated a large amount of interest.

The person appointed will be expected to teach across both Computer Science and I.T. subject areas. They will work with staff in the department to help maintain and build on past achievements by bringing not only enthusiasm and commitment, but also new ideas to a department which welcomes innovation. The sharing of good practice, including lesson resources, is actively encouraged in order to deliver highly effective courses that enable students to achieve excellent value-added results.

The successful candidate will need to have both good programming and IT skills and be keen to keep abreast of new developments. Initially we require someone to teach part-time, but we anticipate growth in the department from the new course running across both Year 1 and Year 2. This should then allow for the successful candidate to work full-time within the department. Both current courses have an excellent track-record which includes strong value-added performance.

The OCR A-Level Computer Science caters for those students who wish to undertake an academic subject that involves programming. The course is assessed through 80% examination and 20% coursework. Students commence coursework at the end of Year 1 and finish Easter-time during Year 2.

The Pearson BTEC level 3 Extended Certificate in IT caters for a wide range of students both in terms of ability and interests. This course caters for those who are more interested in how IT can be used to solve problems rather than how solutions can be programmed. External assessment includes both a written exam and practical-based task (58%). Internal assessment makes up (42%) of the qualification.

The department is introducing a BTEC Level 3 qualification focused on Computer Games Development and Cyber Security in 2018. External assessment includes two written exams (58%). Internal assessment makes up (42%) of the qualification. We are not expecting the successful candidate to teach on this course until 2019.

With regard to teaching facilities, the department is very well equipped with IT resources over three teaching rooms. There are approximately 20 computers in each room with a dedicated teacher computer connected to a projector. One room is equipped with a suite of Raspberry Pi computers in addition to the standard college desktop PC's. The department also has a large office/staff workroom where all members of staff are provided with their own desk and networked computer. A college laptop will also be provided where requested.

The position currently being offered is an excellent opportunity for an enthusiastic teacher wishing to join a well established department at a sixth form college with an excellent reputation.