Computer Science & Information Technology Department

Introduction

The Computer Science & Information Technology department consists of a strong and highly motivated team. Staff have high expectations and work well together to create an atmosphere in which all students can fulfil their potential. The department has launched a number of new courses in recent years which encompass areas such as app and website development, advanced spreadsheet and database skills, project management, programming and computer science.

Curriculum

All students follow the Computing National Curriculum at KS3 (Year 7 and 8) which includes programming in three different languages, Computer Science elements and a range of Information Technology.

Computer Science & Information Technology are hugely popular in KS4. At the end of Year 8 students can opt to take a Cambridge National Level 1/2 in Information Technology (OCR) or a GCSE in Computer Science (AQA).

Retention of students from KS4 to KS5 is very good, with a large number of students opting for either an A Level in Computer Science (AQA) or a Cambridge Technical in Information Technology Level 3 (OCR).

Our current delivery is as follows:

Key Stage 3:   Computing National Curriculum

Key Stage 4:   Cambridge National in Information Technology (Level 1/2 OCR)
                   GCSE in Computer Science (AQA)

Key Stage 5:   Cambridge Technicals in IT (Level 3) (OCR – 2016 Specification)
                   A Level in Computer Science (AQA)

Extra-curricular

The ICT department operates a drop-in facility for students at break and lunch times daily, and after school on Tuesdays and Thursdays. We also offer a coding club available to all year groups on a Thursday after school, as well as a range of trips including the National Museum of Computing.

Staffing and Accommodation

The department currently comprises three full time teachers, along with an additional four teachers who contribute to the teaching of Computer Science & Information Technology.

Computer Science & Information Technology have access to purpose built suites, in addition to subject specific suites across the school. Each suite is equipped with up to 31 networked PCs and an interactive whiteboard. There are five computer technicians to maintain and provide service across the network.

Examination Results

Computer Science & Information Technology Results:

GCSE Computer Science

Subject progress score: +0.48 (2018)

Grade	9-1%	9-4%
2018	100	85

A Level Computer Science

Grade	A-E%	A-C%
2018	100	40
2017	100	60

Cambridge Technicals Level 3

Grade	Distinction* - Pass
2018	100%
2017	100%

Teacher of Information Technology

We are seeking to appoint a well-qualified Teacher of Information Technology, from 1 September 2019 on a full time, permanent basis. The successful candidate will be able to teach across the age and ability range at Key Stage 3, 4 and 5.

Person Specification

We are seeking to appoint an enthusiastic and hard-working teacher who meets the criteria below:

- A well-qualified (with Qualified Teacher Status) and enthusiastic teacher of Information Technology.
- Ability to teach Information Technology to KS5.
- Ability to teach Computer Science desirable but not essential.
- Ability to motivate staff and students, with a proven track record of excellent results and impact within their current department.
- Excellent organisational and IT skills.
- Capacity to work collaboratively as part of a team.
- Passion and enthusiasm for the subjects and the ability to share this with young people.
- Share good practice in order to contribute to The Weald's continued drive to improve.
- Willingness to be a form tutor, including the delivery of PSHE.
- Demonstrate commitment to CPD and proactive in keeping up to date with current technology.

We are committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment. The successful candidate will be subject to pre-employment checks including an enhanced Disclosure and Barring Service (DBS) check.