COMPUTER SCIENCE, ICT AND MEDIA FACULTY

Aims:

The faculty has highly supportive, hard-working staff, committed to helping pupils achieve their full potential. The aims of the faculty fully support those of the school, whilst striving to:

- Develop a sense of passion and commitment to computer science, ICT, and media
- Promoan enjoyment of learning, where pupils are encouraged to become independent, multi-skilled learners that achieve highly.
- Employ a range of teaching techniques providing equal opportunities to all students.
- Ensure all pupils reach their full potential and foster a lifelong interest in computer science, ICT, and media.
- Enable young people to make sense of the modern world, "the global village", helping them to become valuable citizens and provide the context and background for all other human activity.

Facilities:

The faculty has four full-size dedicated IT suites in the main school, all of which are equipped with computers and interactive whiteboards. The Faculty has also invested in robotics, virtual reality headsets, 3D printers and mini-programmable computers in order to enhance the teaching of computing.

Staffing:

The structure of the Faculty from September 2022 is, as follows:

Vacancy	**Teacher of ICT//Media/Computer Science**
Laura Johnson	Head of Faculty
Aaron Cowley	Teacher of ICT/Media/Computer Science
Rebecca Munyao	Teacher of ICT/Media/Computer Science

Curriculum:

Computer Science, Creative iMedia and Media are increasingly popular subjects with our pupils, with options offered at GCSE and A-level as well as vocational options at KS4/5. Media is a recent addition (2021) to the faculty, having previously been part of the Performing Arts faculty. From September 2021, the Media and IT options at KS4 were combined to offer one course (OCR Cambridge National in Creative iMedia) with the potential to deliver different units to our multiple classes, dependent on their interests and strengths.

In Key Stage 3
All pupils are provided 2 hours per fortnight of computer Science, digital literacy, and ICT.

In Key Stage 4:
Rainhill students take their options in Y9 and start GCSE in Year 10.

Current Year 10 Computing: OCR GCSE Computer Science
Current Year 10 iMedia: OCR Cambridge National in Creative iMedia (2022 Specification)

Current Year 11 Computing: OCR GCSE Computer Science
Current Year 11 Media: OCR Cambridge National in Creative iMedia (Legacy Specification)

Sixth Form:
Our faculty is a popular one and this year has seen increasing numbers of students joining the KS5 courses. Media is a popular subject that, as detailed above, has recently been added to the Computing Faculty. It is a successful subject, with healthy cohorts, currently following the OCR Cambridge Technical in Digital Media. Computer Science A-level was offered for the first time from September 2017 and now, also, has a very healthy cohort. In addition, the Faculty currently offers the Cambridge Technical Level 3 in IT qualification (Emerging Practitioners Pathway), providing an alternative pathway for students keen to develop their skills in ICT. Small classes allow us to offer personalized support.

Exam Results 2022

GCSE Computer Science
- 35% grades 9-7
- 78% grades 9-4
- -0.76 SPI
- Average Grade 5+

Cambridge National Creative iMedia Level 2
- 60% grades D*-D
- 90% grades D*-P
- 2.15 SPI
- Average Grade Merit

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A Level Computer Science
- 100% grades A-B
- 100% grades A-E
- ALPS 3
- -0.12 VA

Cambridge Technical Information Technology Level 3
- 100% D*-M
- 100% D*-P
- ALPS 3

BTEC Digital Media Level 3
- 100% D*-M
- 100% D*-P
- ALPS 1
- 0.58 VA

Extra-curricular:
Our students have the opportunity to attend extra-curricular sessions in 3D printing, robotics, virtual reality and coding. The faculty also runs D&D clubs each evening.

Students are a welcome presence in the Faculty, to enhance their ICT skills and develop new computing skills, with an open door policy before school, at lunchtime and after school.

Alan McKeegan
Deputy Headteacher (Line Manager of the faculty)
September 2022

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