



## DRAYTON MANOR HIGH SCHOOL

### VOCATIONAL COURSE 2020-2022

#### Applied General in Information Technology

#### Specification OCR

#### Entry Qualifications

Grade 4 in IT or Computing if studied

#### Course Level

Level 3 Cambridge Technical Extended Certificate in IT

#### Brief Description of Course Contents

This course will give learners the opportunity to develop their knowledge and understanding of the principles of IT and global information systems. Achievement of this qualification can support progression to go on and study relevant IT degrees in a Higher Education institution such as, Computing and IT, Computing Science, Software Developments, Software Engineering, ICT and Computer Networks or Business Information Systems.

#### What will I learn on this course?

There are three mandatory units that are externally assessed. These are

- the Fundamentals of IT
- global information
- cyber security

The first two mandatory units provide learners with an insight into the IT sector as you investigate the pace of technological change, IT infrastructure, the flow of information on a global scale and important legal and security considerations. The third mandatory unit reflects an important development in the sector around information security and requires learners to consider how data should be protected and the response of the IT sector to emerging threats such as cyber terrorism.

Students then take two of the four optional units that are centre-assessed and moderated by OCR. The optional units include

- project management
- product development
- systems analysis and design
- the Internet of Everything

#### What kind of student is this course suitable for?

This course will appeal to students who

- have a keen interest in the advances in technology
- enjoy solving problems by constructing and implementing complex algorithms
- are interested in a career in software development or engineering

#### How can I develop my full range of skills by doing this course?

This course will enable you to develop some key transferable skills, including

- communication
- information technology
- numeracy

- working with others
- improving own learning performance

**What could I go on to do at the end of this course?**

Students should take the Extended Certificate if they want to gain the specialist skills, knowledge and understanding of IT which taken alongside other vocational or academic qualifications, can allow them access to Higher Education in IT-related programmes.

The Extended Certificate takes 360 guided learning hours to deliver. This means it is a similar size to an A level and can be taken as part of a one or two-year study programme. This gives learners the flexibility to take other qualifications, whether vocational or academic, in preparation for further study in the sector.