

## ICT Curriculum Map

|                | <b>Autumn</b>  | <b>Spring</b>  | <b>Summer</b>   |
|----------------|--|--|---|
| <b>Year 7</b>  | Kodu – visual programming language<br>(Computer Science)<br>Esafety<br>(Digital Literacy)                                    | Introduction to Binary<br>(Computer Science)   | Flowol<br>(Computer Science)  |
| <b>Year 8</b>  | Networks<br>(Computer Science)   | Computer crime and Cyber security<br>(Digital Literacy)  | Database Development<br>(Information Technology, Digital Literacy and<br>Computer Science)  |
| <b>Year 9</b>  | Computational thinking<br>(Information Technology, Digital Literacy and<br>Computer Science)<br>Binary<br>(Computer Science) | Logic Gates<br>(Computer Science)<br>Python<br>(Computer Science)  | Spreadsheets<br>(Information Technology, Digital Literacy)  |
| <b>Year 10</b> | R013<br>Coursework unit and basis for Examination learning   | R013<br>Coursework unit and basis for Examination learning   | R013<br>Coursework unit and basis for Examination learning  |
| <b>Year 11</b> | R004 (Coursework) - Handling Data Using Databases<br>R001 (Exam unit) – Understanding Computer<br>Systems                    | R001 (Exam January)<br>R002 (Coursework) – Using ICT to Create Business<br>Solutions   | R002 (Coursework) – Using ICT to Create Business<br>Solutions   |
| <b>Year 12</b> | Unit 1 (Exam 90 GLH)<br>Fundamentals of IT   | Unit 1 Fundamentals of IT<br>Unit 21 (Coursework)<br>Web Design and Prototyping<br><br>Unit 8 (Coursework)<br>Project Management | Unit 1 exam Fundamentals of IT<br>Unit 21 (Coursework)<br>Web Design and Prototyping<br><br>Unit 8 (Coursework)<br>Project Management |

|                |   |  |   |
|----------------|---|--|---|
| <b>Year 13</b> | Unit 2 (Exam 90 GLH) Global Information | Unit 2 exam<br>Unit 7 (Coursework)<br>Data Analysis and Design | Unit 7 (Coursework)<br>Data Analysis and Design |
|----------------|---|--|---|

#### Useful Links

Website links to subject information and courses

OCR Level 3 Cambridge Technical Introductory Diploma in IT

<http://www.ocr.org.uk/qualifications/vocational-education-and-skills/cambridge-technicals-it-level-3-certificate-extended-certificate-introductory-diploma-foundation-diploma-diploma-05838-05842-2016-suite/>

OCR Level 1/ 2 Cambridge National Certificate in Information Technologies

<http://www.ocr.org.uk/qualifications/vocational-education-and-skills/cambridge-nationals-information-technologies-level-1-2-j808/>

OCR Level 1/ 2 Cambridge National Certificate in ICT

<http://www.ocr.org.uk/qualifications/cambridge-nationals-ict-level-1-2-j800-j810-j820/>

#### KS4 Specification Information

OCR Cambridge National Certificate in Information Technologies and OCR Level 1/ 2 Cambridge National Certificate in ICT

Year 10

OCR Level 1/ 2 Cambridge National Certificate in Information Technologies (120 GLH)

1 Examination unit and 1 Coursework unit . Both units are equally weighted

<http://www.ocr.org.uk/qualifications/vocational-education-and-skills/cambridge-nationals-information-technologies-level-1-2-j808/>

Year 11

OCR Level 1/ 2 Cambridge National Certificate in ICT (120 GLH)

Consists of 3 Pieces of coursework and 1 Exam. All units are equally weighted

<http://www.ocr.org.uk/qualifications/cambridge-nationals-ict-level-1-2-j800-j810-j820/>

## KS5 Specification Information

OCR Level 3 Cambridge Technical Introductory Diploma in IT (360 GLH)

This course consists of 2 X 90 GLH examined units and 3 X 60 GLH Coursework units

<http://www.ocr.org.uk/qualifications/vocational-education-and-skills/cambridge-technicals-it-level-3-certificate-extended-certificate-introductory-diploma-foundation-diploma-diploma-05838-05842-2016-suite/>

## Where will this Subject take me?

Higher Education pathways and Careers

The qualification will enable learners to acquire a range of transferable skills and knowledge which are highly regarded by higher education providers and employers. It has UCAS tariff points and provides a good grounding for progression to university to take one of many relevant degree programmes, for example: Computing and ICT; Computing Science; Software Developments; Software Engineering; ICT and Computer Networks; Business Information Systems.