# Subject Curriculum Overview for Academic Year 2022/2023

| Subject: ICT Diploma | Subject Leader: L Kenvyn | Year Group: 13 | AUTUMN TERM |
|---|---|---|---|
| **Topic** | **Key Learning Points** | **Key Vocabulary** | **Assessments** |
| **Project Management** | • Understand the project life cycle<br>• Be able to initiate and plan projects<br>• Be able to execute projects<br>• Be able to carry out project evaluations<br>• Explain the different phases within an identified project life cycle<br>• Describe different project methodologies<br>• Compare the features and benefits of different project methodologies | Project plan<br>Evaluation<br>Feasibility<br>Methodologies<br>Target market | Coursework units are marked on submission of the project as a whole. Informal feedback is given as each section is being completed by the class teachers. The projects are broken down into tasks that each have their own submissions to make the progress of the work easier to track. |
| **Product Development** | • Understand the product development life cycle<br>• Be able to design products that meet identified client requirements<br>• Be able to implement and test products<br>• Be able to carry out acceptance testing with clients<br>• Compare and contrast different product development methodologies | Project plan<br>Evaluation<br>Feasibility<br>Methodologies<br>Target market | |

# Subject Curriculum Overview for Academic Year 2022/2023

| Subject: ICT Diploma | Subject Leader: L Kenvyn | Year Group: 13 | SPRING TERM |
|---|---|---|---|
| **Topic** | **Key Learning Points** | **Key Vocabulary** | **Assessments** |
| **Mobile technology** | <ul><li>Understand mobile technologies</li><li>Be able to investigate how businesses use mobile technologies</li><li>Be able to determine solutions for the use of mobile technologies</li><li>Be able to present solutions for the use of mobile technologies</li><li>Describe different methods of mobile device connectivity</li><li>Compare and contrast different operating systems used in mobile technology</li><li>Evaluate the suitability of mobile technologies for different situations</li><li>Examine the ethical implications of the use of mobile technologies</li></ul> | GPS<br>SAT-NAV<br>WI-FI<br>Blue-Tooth<br>Signal<br>Frequencies Bandwidth<br>IP Address<br>MAC Address<br>Latency<br>Wired<br>Wireless | Coursework units are marked on submission of the project as a whole. Informal feedback is given as each section is being completed by the class teachers. The projects are broken down into tasks that each have their own submissions to make the progress of the work easier to track. |
| **Computer systems - Hardware** | <ul><li>Understand the components of a computer system</li><li>Be able to propose a computer system for identified business requirements</li><li>Be able to build or upgrade computers</li><li>Be able to test and evaluate the functionality of computer systems</li><li>Explain the function of computer hardware components</li><li>Compare and contrast different hardware storage devices</li><li>Outline different types of backup storage available</li><li>Install different hardware components on an identified computer system</li></ul> | Defragmentation<br>Hardware<br>Software<br>CPU<br>RAM<br>Memory<br>Motherboard<br>Maintenance<br>Cost-benefit<br>Cloud<br>Components | |

# Subject Curriculum Overview for Academic Year 2022/2023

| Subject: ICT Diploma | Subject Leader: L Kenvyn | Year Group: 13 | SUMMER TERM |
|---|---|---|---|
| **Topic** | **Key Learning Points** | **Key Vocabulary** | **Assessments** |
| **Mobile technology** | <ul><li>Understand mobile technologies</li><li>Be able to investigate how businesses use mobile technologies</li><li>Be able to determine solutions for the use of mobile technologies</li><li>Be able to present solutions for the use of mobile technologies</li><li>Describe different methods of mobile device connectivity</li><li>Compare and contrast different operating systems used in mobile technology</li><li>Evaluate the suitability of mobile technologies for different situations</li><li>Examine the ethical implications of the use of mobile technologies</li></ul> | GPS<br>SAT-NAV<br>WI-FI<br>Blue-Tooth<br>Signal<br>Frequencies Bandwidth<br>IP Address<br>MAC Address<br>Latency<br>Wired<br>Wireless | Coursework units are marked on submission of the project as a whole. Informal feedback is given as each section is being completed by the class teachers. The projects are broken down into tasks that each have their own submissions to make the progress of the work easier to track. |
| **Computer systems - Hardware** | <ul><li>Understand the components of a computer system</li><li>Be able to propose a computer system for identified business requirements</li><li>Be able to build or upgrade computers</li><li>Be able to test and evaluate the functionality of computer systems</li><li>Explain the function of computer hardware components</li><li>Compare and contrast different hardware storage devices</li><li>Outline different types of backup storage available</li><li>Install different hardware components on an identified computer system</li></ul> | Defragmentation<br>Hardware<br>Software<br>CPU<br>RAM<br>Memory<br>Motherboard<br>Maintenance<br>Cost-benefit<br>Cloud<br>Components | |

| How parents can support learning in the subject this academic year |
|---|
| Encourage students to make use of their free time, making sure they are staying on top of their coursework submissions. For so many students this can be the first subject that they take where coursework is a major element of the course, and they can start to neglect it as they are unfamiliar with having to manage working on large written elements. |

| Recommended Reading |
|---|
| <ul><li>Unit 8 Specification – https://www.ocr.org.uk/Images/267358-project-management.pdf</li><li>Unit 9 Specification – https://www.ocr.org.uk/Images/267360-product-development.pdf</li><li>Unit 12 Specification – https://www.ocr.org.uk/Images/267363-mobile-technology.pdf</li><li>Unit 18 Specification – https://www.ocr.org.uk/Images/267471-computer-systems-hardware.pdf</li></ul> |

| Points to note |
|---|
| The Diploma in IT teaches the same units as the single ICT class, but also contains 6 extra coursework units taught over two year. |