

**Mapping to OCR GCSE in Information and  
Communication Technology (J461)**  
(Based on OCR specification for exams June 2011 onwards)

| <b>Subject content</b>                     | <b>Boardworks presentations</b>   |
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| <b>2.1 Unit B061: ICT in today's world</b> |   |
| <b>2.1.1 ICT systems</b>                   |   |
| Systems                                    | <b>Introduction to Computer Systems:</b><br>A Basic Computer System; Processing; Introduction to Hardware; Input Devices; Output Devices; Storing Data; Introduction to Software  |
| Hardware                                   | <b>Introduction to Computer Systems:</b><br>A Basic Computer System; Processing; Introduction to Hardware; Input Devices; Output Devices; Storing Data; User Interfaces   |
| Software                                   | <b>Introduction to Computer Systems:</b><br>Introduction to Software; Applications Software<br><b>Working Safely and Efficiently:</b><br>Standard Working practice; File Management   |
| <b>2.1.2 Exchanging information</b>        |   |
| Communications                             | <b>Working Safely and Efficiently:</b><br>Standard Working Practice; Keeping Data Safe; Online Safety<br><b>Current and Emerging Technologies:</b><br>Current and Emerging Uses of ICT; Digital Devices; Mobile Communications; ICT and Modern Living<br><b>ICT in Context:</b><br>Monitoring and Control |
| <b>2.1.3 Presenting information</b>        |   |
| Presenting information                     | <b>Creating Multimedia Products:</b><br>Planning a Creative Product; Presentation Software; Paper Publications; Word Processing; Web Design Software  |

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| <b>2.1.4 Manipulating data</b>  |  |
| Data management   | <p><b>Databases:</b><br/>Data Handling; Database structure; Editing Records; Validation; Sorting and Queries; Creating Forms; Printing Reports; Importing and Exporting Data; Uses of Databases</p> <p><b>Introduction to Computer Systems:</b><br/>Input Devices</p> <p><b>ICT in Context:</b><br/>ICT and Education</p>  |
| Data handling software  | <p><b>Databases:</b><br/>Data Handling; Database structure; Editing Records; Validation; Sorting and Queries; Creating Forms; Printing Reports; Importing and Exporting Data; Uses of Databases</p> <p><b>Spreadsheets and Modelling:</b><br/>Introduction to Spreadsheets; Formatting Spreadsheets; Formulae; Functions; Cell References and Sorting; Advanced Functions and Charts; Solving Problems with Spreadsheet Models</p> |
| <b>2.1.5 Keeping data safe and secure</b>                                   |  |
| Keeping data safe and secure  | <p><b>Working Safely and Efficiently:</b><br/>Standard Working Practice; Keeping Data Safe; File Management</p> <p><b>Introduction to Computer Systems:</b><br/>Storing Data</p>   |
| <b>2.1.6 Legal, social, ethical and environmental issues when using ICT</b> |  |
| Legal, social, ethical and environmental issues when using ICT              | <p><b>ICT in Context:</b><br/>ICT and Disability</p> <p><b>Legal, Social and Environmental Issues:</b><br/>Data Protection Act; Health and Safety Act; Computer Misuse Act; Copyright; Other ICT Legislation; Social and Political impacts; ICT: Good or Bad?; Environmental and Sustainability Issues</p>   |

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| <b>2.1.7 Using ICT systems</b>                              |  |
| How ICT systems are used                                    | <b>Working Safely and Efficiently:</b><br>Standard Working Practice; File Management<br><b>Introduction to Computer Systems:</b><br>A Basic Computer System; User Interfaces<br><b>Networks and Communications:</b><br>Introduction to Networks; Types of Network; Setting up a Network                            |
| Troubleshooting   | <b>Current and Emerging Technologies:</b><br>Digital Devices   |
| <b>2.1.8 Monitoring, measurement and control technology</b> |  |
| Monitoring, measurement and control technology              | <b>ICT in Context:</b><br>Monitoring and Control   |
| <b>2.1.9 ICT and modern living</b>                          |  |
| ICT and modern living                                       | <b>Current and Emerging Technologies:</b><br>Current and Emerging Uses of ICT; Digital Devices; Mobile Communications;<br>ICT and Modern Living<br><b>ICT in Context:</b><br>The Modern Workplace; ICT and Education; Retail and E-commerce; Finance<br><b>Introduction to Computer Systems:</b><br>Output Devices |

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| <b>2.2 Unit B062: Practical applications in ICT</b>                                 |   |
| <b>2.2.1 Investigating a need</b>   | <p><b>Researching and Information Handling:</b><br/>Researching Using ICT; Searching the Web; Evaluating Information</p> <p><b>Creating Multimedia Products:</b><br/>Planning a Creative Product</p> <p><b>The Systems Life Cycle:</b><br/>The Systems Life Cycle</p> |
| <b>2.2.2 Practical use of software tools to produce a working solution</b>          | <p><b>Researching and Information Handling:</b><br/>Researching Using ICT; Searching the Web; Evaluating Information</p> <p><b>Creating Multimedia Products:</b><br/>Planning a Creative Product</p> <p><b>The Systems Life Cycle:</b><br/>The Systems Life Cycle</p> |
| <b>2.2.3 Practical use of file and data structure to produce a working solution</b> | <p><b>Databases:</b><br/>Data Handling; Uses of Databases</p> <p><b>Spreadsheets and Modelling:</b><br/>Introduction to Spreadsheets; Solving Problems with Spreadsheet Models</p>  |
| <b>2.2.4 Present their solution</b>   | <p><b>Creating Multimedia Products:</b><br/>Planning a Creative Product; Graphics; Sound; Video; Animation; Presentation Software; Paper Publications; Word Processing; Web Design Software</p>   |
| <b>2.2.5 Evaluation</b>   | <p><b>Creating Multimedia Products:</b><br/>Evaluating Your Creative Product</p> <p><b>The Systems Life Cycle:</b><br/>The Systems Life Cycle</p>   |

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| <b>2.3 Unit B063: ICT in context</b>                                       |   |
| <b>2.3.1 ICT systems</b>   |   |
| Systems  | <p><b>Introduction to Computer Systems:</b><br/>A Basic Computer System; Processing; Introduction to Hardware; Operating Systems; Introduction to Software; Applications Software</p> <p><b>Current and Emerging Technologies:</b><br/>Digital Devices; Mobile Communications</p> |
| Hardware   | <p><b>Introduction to Computer Systems:</b><br/>A Basic Computer System; Processing; Introduction to Hardware; Input Devices, Output Devices; Storing Data</p> <p><b>Current and Emerging Technologies:</b><br/>Digital Devices; Mobile Communications</p>                        |
| Software   | <p><b>Introduction to Computer Systems:</b><br/>Operating Systems; Introduction to Software; Applications Software</p>  |
| <b>2.3.2 Networks</b>  |   |
| Networks   | <p><b>Networks:</b><br/>Introduction to Networks; Types of Network; Setting up a Network</p>  |
| <b>2.3.3 Information Knowledge Based Systems (IKBS) and Expert Systems</b> |   |
| Information Knowledge Based Systems (IKBS) and Expert Systems              | <p><b>Current and Emerging Technologies:</b><br/>ICT and Modern Living</p>  |
| <b>2.3.4 Project planning</b>  |   |
| Project planning   | <p><b>Creating Multimedia Products:</b><br/>Planning a Creative Product</p> <p><b>The Systems Life Cycle:</b><br/>The Systems Life Cycle</p>  |

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| <b>2.3.5 Exchanging information</b> |   |
| Communications                      | <b>Networks:</b><br>Introduction to Networks; Types of Network; Setting up a Network<br><b>ICT in Context:</b><br>The Modern Workplace; Retail and E-commerce; Finance              |
| Communication software              | <b>ICT in Context:</b><br>The Modern Workplace;   |
| <b>2.3.6 Presenting information</b> |   |
| Presenting information              | <b>Creating Multimedia Products:</b><br>Presentation Software   |
| <b>2.3.7 Manipulating data</b>      |   |
| Data management                     | <b>Creating Multimedia Products:</b><br>Planning a Creative Product<br><b>Databases:</b><br>Uses of Databases<br><b>Spreadsheets and Modelling:</b><br>Introduction to Spreadsheets |
| Data handling software              | <b>Databases:</b><br>Data Handling; Uses of Databases<br><b>Spreadsheets and Modelling:</b><br>Introduction to Spreadsheets; Solving Problems with Spreadsheet Models               |

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| <b>2.3.8 Legal, social, ethical and environmental issues when using ICT within context</b>      |  |
| Legal, social, ethical and environmental issues when using ICT within context                   | <b>Legal, Social and Environmental Issues:</b><br>Data Protection Act; Health and Safety Act; Computer Misuse Act; Copyright;<br>Other ICT Legislation; Social and Political impacts; ICT: Good or Bad?;<br>Environmental and Sustainability Issues  |
| <b>2.3.9 Managing data / keeping data safe and secure when using ICT within a given context</b> |  |
| Managing data / keeping data safe and secure when using ICT within a given context              | <b>Working Safely and Efficiently:</b><br>Standard Working Practice; Keeping Data Safe; File Management; Online Safety<br><b>Introduction to Computer Systems:</b><br>Storing Data   |
| <b>2.3.10 Current and emerging technologies</b>   |  |
| Current and emerging technologies   | <b>Current and Emerging Technologies:</b><br>Current and Emerging Uses of ICT; Digital Devices; Mobile Communications;<br>ICT and Modern Living<br><b>ICT in Context:</b><br>The Modern Workplace; ICT and Education; Retail and E-commerce; Finance |
| <b>2.4 Unit B064: Creative use of ICT</b>   |  |
| <b>2.4.1 Analysis</b>   | <b>Creating Multimedia Products:</b><br>Planning a Creative Product<br><b>The Systems Life Cycle:</b><br>The Systems Life Cycle  |
| <b>2.4.2 Design</b>   | <b>Creating Multimedia Products:</b><br>Planning a Creative Product<br><b>The Systems Life Cycle:</b><br>The Systems Life Cycle  |

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| <p><b>2.4.3 Development</b></p>                | <p><b>Creating Multimedia Products:</b><br/>Planning a Creative Product<br/><b>The Systems Life Cycle:</b><br/>The Systems Life Cycle</p>                                   |
| <p><b>2.4.4 Testing</b></p>                    | <p><b>Creating Multimedia Products:</b><br/>Planning a Creative Product<br/><b>The Systems Life Cycle:</b><br/>The Systems Life Cycle</p>                                   |
| <p><b>2.4.5 Evaluation</b></p>                 | <p><b>Creating Multimedia Products:</b><br/>Planning a Creative Product; Evaluating Your Creative Product<br/><b>The Systems Life Cycle:</b><br/>The Systems Life Cycle</p> |
| <p><b>2.4.6 Working with others</b></p>        | <p><b>Creating Multimedia Products:</b><br/>Planning a Creative Product; Evaluating Your Creative Product<br/><b>The Systems Life Cycle:</b><br/>The Systems Life Cycle</p> |
| <p><b>2.5 Unit B065: Coding a solution</b></p> |   |
| <p><b>2.5.1 Programming techniques</b></p>     |   |
| <p><b>2.5.2 Analysis</b></p>                   |   |
| <p><b>2.5.3 Design</b></p>                     |   |
| <p><b>2.5.4 Development</b></p>                |   |
| <p><b>2.5.5 Testing</b></p>                    |   |
| <p><b>2.5.6 Evaluation</b></p>                 |   |