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| **Year** | **Module Title / Focus** | **Homework Focus** | **Outcome / Big Question / Theme** |
| 7 | Induction (Introduction to the Network) Email / Folders / Printing / E safety  Anatomy of a PC – Gamer’s Buying Guide | 1. E Safety – key terms (Risks) 2. E Safety – Scenarios 3. Explore outlook email – sending / receiving email / insertion of signature 4. Creating strong passwords 5. Types of computing device 6. Identify input devices 7. Identify output devices 8. Role of processor | Complete the E Safety Key Definitions worksheet  What would you do if worksheet? Completion  How do I send and receive email with a signature  What features does a strong password have? <http://www.passwordmeter.com/>  Identify purpose, features and uses of common computing devices e.g. laptop, pc, tablet etc  Identify purpose and features of a range of input devices  Identify purpose and features of a range of output devices  Identify purpose and characteristics of processing devices |
| 8 | Animation: Adobe Flash - A Busy Street | 1. E safety – Social Media Scenarios / dilemmas 2. Investigate the history of 2d/3d animation 3. Plan symbols for busy street 4. Investigate the use of motion paths 5. Investigate the terms shape tween 6. Evaluate busy street 7. Storyboard for Christmas e card | Complete the dilemmas worksheet  Produce a timeline illustrating the History of Animation  Sketches of main symbols for street scene indicating tools to be used  Google / Flash search  Google / Flash search  Colour print of timeline and symbols and annotate to show animation skills used  Detailed storyboard with frame rates |
| 9 | Sequencing: MSW Logo | 1. E Safety – Sexting and Cyber Bullying 2. Managing multimedia files 3. Understanding algorithms 4. Angles 5. Understanding co -ordinates 6. Independent of review of MSW Logo features and commands (optional) 7. Print and annotate code, where necessary to explain ‘outside class’ code used | Risks and how minimise – written notes  Investigate standard flowchart symbols / notation  Create an algorithm for a playground game  Use BBC bitesize to become familiar with types of angle <https://www.mathsisfun.com/angles.html>  Investigate how to plot co ordinates  <http://www.bbc.co.uk/bitesize/ks3/maths/algebra/coordinates/revision/2/>  <http://staff.informatics.buu.ac.th/~krisana/logo/Logo-jFuller/menu.htm> J Fuller Educational  Annotate your code to show knowledge |
| 10 | Cambridge Nationals  R001  Students advised to use [www.teach-ict.com](http://www.teach-ict.com) and ictlounge.com and learnict.it as resource tools | 1. Computer devices 2. Input devices 3. Output devices 4. Software 5. Storage and connectivity 6. Role of peripherals 7. Data Capture 8. Data security | Complete description of computer devices (e.g. laptop / PC / tablet); purpose and features in the form of a table  Complete description of a range of input devices (e.g. keyboard/mouse); purpose and features in the form of a table  Complete description of a range of output devices (e.g. monitor/speaker); purpose and features in the form of a table  Define differences between system and application software. Define the role of an operating system, using examples. Explain the purpose of utility software, support your mini report with examples of utility software.  Define the role of application software – give examples of a wide range of standard generic software packages. Compare their features in table format (e.g. Spreadsheet / Database/ Word Processor etc) (Table format)  In tabular format, identify different methods of storage (optical / magnetic etc) compare capabilities and storage capacity, read write times and costs. Identify what scenario each storage method would lend itself to  Define the term peripheral. Give examples of peripherals and situations where each could be used (brief word processed report).  In table format, identify different data capture methods, (e.g. NFC/RFID). Identify and explain factors which affect choice of data capture method chosen (e.g. cost / ease of use / data security).  Produce a presentation which covers a wide range of logical and physical security methods. Ensure that your presentation considers factors which may affect the choice of security method chosen (e.g. file size / data transfer rate etc) |
| 11 | ECDL – Independent study | Presentation skills   1. Using the application 2. Developing a presentation 3. Texts 4. Charts 5. Graphical objects 6. Prepare outputs   Word Processing skills   1. Using the application 2. Document creation 3. Formatting 4. Objects 5. Mail merge 6. Prepare outputs | Use the following websites in order to develop your presentation skills independently  <http://teach-ict.com/ecdl5/presentation/presentation.htm>  [www.itslearning365.co.uk](http://www.itslearning365.co.uk) (see Staff for login)  Use the following websites in order to develop your word presentation skills independently  http://teach-ict.com/ecdl5/word\_processing/word\_processing.htm  [www.itslearning365.co.uk](http://www.itslearning365.co.uk) (see staff for login) |
| 12 | A level IT (OCR) AS | 1. Data, information, knowledge and processing 2. Software and Hardware components of an information system 3. Characteristics of standard application software and application areas 4. Spreadsheet concepts 5. Relational database concepts   Ongoing Unit G062 | Revision test P38 Hodder  Consolidation notes; <http://www.dolinski.co.uk/pages/ks5/ocr_ict/g061/index.html>  Revision test P38 Hodder  Consolidation notes; <http://www.dolinski.co.uk/pages/ks5/ocr_ict/g061/index.html>  Revision test P60 Hodder  Consolidation notes;  <http://www.dolinski.co.uk/pages/ks5/ocr_ict/g061/index.html>  Revision test P102 Hodder  <http://www.dolinski.co.uk/pages/ks5/ocr_ict/g061/index.html>  Revision test P131 Hodder  <http://www.dolinski.co.uk/pages/ks5/ocr_ict/g061/index.html>  Pre- release skills preparation |
| 13 | A Level IT (OCR) A2 | 1. The systems life cycle 2. Designing computer based information systems 3. Networks and communications 4. Applications of ICT   Ongoing Unit G064 | <http://www.dolinski.co.uk/pages/ks5/ocr_ict/g063/index.html>  Selected past paper question/s for Unit G063  <http://www.dolinski.co.uk/pages/ks5/ocr_ict/g063/index.html>  Selected past paper question/s for Unit G063  <http://www.dolinski.co.uk/pages/ks5/ocr_ict/g063/index.html>  Selected past paper question/s for Unit G063  <http://www.dolinski.co.uk/pages/ks5/ocr_ict/g063/index.html>  Selected past paper question/s for Unit G063  Project documentation, with focus upon the Investigation / Analysis and Design sections of the Mark Scheme |

**Computing – All year groups**

Y13 –     Project work

Y12 –     Skills based upon the pre-release material

Y11 –     Initially research around Javascript to support their A452 project  
                Programming practice of LMC

                Programming Practice of Python to fit in with their A453 project

Y10 –     Programming Practice of Python to raise their skill level

                Regular task sheets as topics are covered