

Level 2, Unit 1 – Improving productivity using software development tools (4 credits)

1. Plan, select and use appropriate systems and software to be able to write code	2. Review and adapt the ongoing use of software development tools and systems to make sure that activities are successful	3. Develop and test solutions to improve the ongoing use of software development tools and systems
1.1 I can describe the purpose for using programs to write code.	2.1 I can review the on-going use of software development tools and techniques and change the approach as needed.	3.1 I can review the benefits and drawbacks of tools and systems used in terms of productivity and efficiency.
1.2 I can describe the methods skills and resources required to complete coding tasks successfully.	2.2 I can describe whether the software development tools selected were appropriate for the task and purpose.	3.2 I can describe ways to improve productivity and efficiency.
1.3 I can plan how to carry out tasks using software development tools to achieve the required purpose and outcome.	2.3 I can assess the strengths and weaknesses in my final work.	3.3 I can develop solutions to improve my own productivity in using software development.
1.4 I can describe factors that might affect the task.	2.4 I can describe ways to make further improvements to my work.	3.4 I can test solutions to check that they work as intended.
1.5 I can select and use systems and software applications to complete planned tasks and produce effective results.	2.5 I can review outcomes to make sure they match requirements and are fit for purpose.	
1.6 I can describe how the purpose and outcomes have been met by the chosen systems and software applications.		
1.7 I can describe any legal or local guidelines or constraints that apply to the task or activity.		

Level 2, Unit 2 – Developing websites (4 credits)

1 Create structures and styles for web sites	2. Use web site software tools to prepare content for websites	3. Publish web sites
1.1 I can describe what web site content and layout will be needed for each page.	2.1 I can prepare content for my web pages so that it is ready for editing and formatting.	3.1 I select and use appropriate testing methods to check that all the elements in my web site work as planned.
1.2 I can plan and create web page templates to layout.	2.2 I can organise and combine information needed for web pages including across different platforms.	3.2 I can identify any quality problems with web sites and how to respond to them.
1.3 I can select and use web site features and structures to help the user navigate round web pages with the site.	2.3 I can select and use appropriate editing and formatting techniques to aid both clarity and navigation.	3.3 I can select and use an appropriate programme to upload and publish the web site.
1.4 I can create select and use styles to keep the appearance of web pages consistent and make them easy to understand.	2.4 I can select and use appropriate development techniques to link information across pages.	3.4 I can respond appropriately to problems with multiple page web sites.
1.5 I can describe how copyright and other constraints may affect the web site.	2.5 I can change the file formats of documents appropriately for content.	
1.6 I can describe access issues that might need to be taken into account.	2.6 I can check that my web pages meet needs using software development tools and making corrections as necessary.	
1.7 I can describe what filetypes to use for saving content.		
1.8 I can store and retrieve files effectively, in line with local guidelines and conventions where available.		

Level 2, Unit 3 – Using collaborative technologies in a software development project (4 credits)

1 Stay Safe and secure when using collaborative technology	2. Set up and access software development/project management tools and devices for collaborative work	3. Contribute to tasks using collaborative technologies
1.1 can take appropriate steps to avoid risks when working with collaborative technology, in line with relevant guidelines.	2.1 I can describe the purposes for using collaborative technologies.	3.1 I can describe rules of engagement for using collaborative technologies.
1.2 I can explain what risks there may be in using collaborative technology and how to keep them to a minimum.	2.2 I can describe what outcomes are needed from collaborative working and whether or not archiving is required.	3.2 I can enable others to contribute responsibly to collaborative tasks.
	2.3 I can describe the roles, software development tools and facilities needed for collaborative tasks and communication media.	3.3 I can present relevant and valuable information.
	2.4 I can describe the features, benefits and limitations of different collaborative technology tools and devices.	3.4 I can moderate the use of collaborative technologies.
	2.5 I can describe the compatibility issues in different combinations of collaborative tools and devices.	3.5 I can assess when there is a problem with collaborative technologies and when to get help.
	2.6 I can select an appropriate combination of software development tools and devices to carry out collaborative tasks.	3.6 I respond to problems with collaborative technologies.
	2.7 I can connect and configure the combination of software development tools and devices needed for a collaborative task.	

Level 2, Unit 4 – Using project management methods in software development (4 credits)

1. Understand development tools and environments	2. Apply knowledge and understanding of coding tools and techniques	3. Evaluate development tools and frameworks
1.1 I can investigate a range of development environments	2.1 I can plan how to write code to create a software development project	3.1 I can assess the effectiveness of different project management techniques
1.2 I can assess the suitability of development environments for given projects	2.2 I can apply appropriate software development techniques by writing code.	3.2 I can reflect on the efficiency of project management techniques
1.3 I can understand a range of tools and techniques and relate these to projects	2.3 I can use a range of coding tools and techniques in the recommended way	3.3 I can work with a team using a range of tools and techniques
1.4 I can appreciate (describe) the need for testing and project-based development	2.4 I can use and apply industry standard testing regimes and (describe) project management and software development techniques	3.4 I can explain the effectiveness of tests and reflect on their purpose
1.5 I can follow instructions and act accordingly to requests	2.5 I can complete development tasks in a timely manner	3.5 I can demonstrate a working development project and describe the main features