|  |  |
| --- | --- |
| **Minor Award Name** | The Internet |
| **Minor Award Code** | 5N1611 |
| **Level** | 5 |

**Suggested resources to support delivery:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Theme/Topic** | **Type** | **Relevance** | **Author/Source** | **Web Link** |
| **History of the Internet** | WebsiteHistory Channel VideoYouTube Videos/animationsInteractive VideoVideo Online Article | Detailed resourceThe Invention of the InternetHistory of the InternetHow Does the Internet Works in 5 MinutesTim Berner’s LeeTim Berners Lee TED Talk How Does the Internet Work? | Internet Society, contributions from MIT, Google and moreHistory ChannelYouTubeThe GuardianTED TalkHow Stuff Works | <http://www.internetsociety.org/internet/what-internet/history-internet/brief-history-internet> <https://www.youtube.com/watch?v=M9ebkjWU6Z4> <https://www.youtube.com/watch?v=9hIQjrMHTv4> <https://www.youtube.com/watch?v=7_LPdttKXPc> <http://labs.theguardian.com/where-i-went-right/video/berners-lee> <https://www.ted.com/speakers/tim_berners_lee> <http://computer.howstuffworks.com/internet/basics/internet.htm> |
| Future of the Internet | VideoVideo  | The Next Web, Tim Berners Lee TED TalkInternet of Things | TED TalkHow Stuff Works | <http://www.ted.com/talks/tim_berners_lee_on_the_next_web><http://shows.howstuffworks.com/fwthinking-show/fwthinking-ep1-internet-of-things-video.htm> |
| **Connecting to the Internet** | VideoArticleOnline ArticleOnline ArticleOnline Article and VideoOnline ArticleArticle (pdf)Online ArticleVideoOnline ArticleReportOnline ArticleBookletOnline Article | Your Online Life, Permanent as a TattooDigital SignaturesWhat are Internet CookiesHow Internet Cookies WorkHow Computer Viruses WorkWhat is a Computer VirusTop Tips for Internet Safety at HomeWhat is antivirus software?How to protect your computer from MalwareCreating Strong PasswordsCybercrimeEncryption DefinitionA Parent’s Guide to Filtering SoftwareWhat is a Firewall | TED TalkHow Stuff WorksBBC WebwiseHow Stuff WorksHow Stuff WorksMicrosoftMicrosoftSymantecGoogleMicrosoftDeloitte and ToucheWhatIs Technical Definitions [www.webwise.ie](http://www.webwise.ie) Microsoft | <https://www.ted.com/talks/juan_enriquez_how_to_think_about_digital_tattoos> <http://computer.howstuffworks.com/digital-signature.htm><http://www.bbc.co.uk/webwise/guides/about-cookies><http://computer.howstuffworks.com/cookie.html>  <http://computer.howstuffworks.com/virus.htm><http://www.microsoft.com/security/pc-security/virus-whatis.aspx> <https://www.microsoft.com/en-us/search/result.aspx?q=Top+Tips+for+Internet+Safety+at+Home&form=MSHOME><http://www.pctools.com/security-news/what-is-antivirus-software/><https://www.youtube.com/watch?v=uJRqZTNMCMo> <http://windows.microsoft.com/en-ie/windows-vista/tips-for-creating-a-strong-password> <http://www2.deloitte.com/ie/en/pages/risk/articles/cybercrime-survey-2013.html><http://searchsecurity.techtarget.com/definition/encryption><http://www.webwise.ie/parents/a-guide-to-internet-filtering-for-parents-3/><http://windows.microsoft.com/en-ie/windows/what-is-firewall#1TC=windows-7> |
| **Methods of internet connection** | Video and article | How to Connect to the Internet | [www.gcflearnfree.org](http://www.gcflearnfree.org) | <http://www.gcflearnfree.org/computerbasics/13> (7 pages) |
| **ISP Services**CostFunctionalityCapacitySuitability for home or business users | WebsiteWebsite | Office for Internet SafetyWhat is an ISP? | <http://www.internetsafety.ie/> [www.teach-ict.com](http://www.teach-ict.com)  | <http://www.internetsafety.ie/website/ois/oisweb.nsf/page/regulation-en><http://www.teach-ict.com/gcse_new/internet/connecting_internet/miniweb/pg5.htm>  |
| **Methods of internet connection – based on user requirements**(hardware/software, connectivity, usage levels, speed and cost) | WebsiteWebsiteWebsite | How to connect to the InternetISP for BusinessVoice over internet protocol | GCFLearnFree[www.eir.ie](http://www.eir.ie) [www.vodafone.ie](http://www.vodafone.ie) ComReg | <http://www.gcflearnfree.org/computerbasics/13> <https://business.eir.ie> <http://www.vodafone.ie/small-business/fixed/?gclid=CP-rjtLY8cgCFQUewwod9mEK9A&gclsrc=aw.ds> [http://www.askcomreg.ie/business/voice\_over\_internet\_protocol\_(voip).341.LE.asp](http://www.askcomreg.ie/business/voice_over_internet_protocol_%28voip%29.341.LE.asp)  |
| **Using the Internet** (voice/written communication, information search, file downloading, file sharing, e-commerce) | WebsiteBook ChapterBook Chapter | Uses of the Internet (list)The Internet and its UsesE-commerce | [www.teach-ict.com](http://www.teach-ict.com)PearsonPearson | [http://www.teach-ict.com/gcse\_new/internet/internet\_www/miniweb/pg5.htm#](http://www.teach-ict.com/gcse_new/internet/internet_www/miniweb/pg5.htm)<http://ptgmedia.pearsoncmg.com/imprint_downloads/cisco/irc/prepubchaps/2109_ch01.pdf> <http://www.pearsonhighered.com/samplechapter/0131735160.pdf>  |
| **Collaborative Tools** (wikis, shared documents, Google Docs) | VideoVideoWebsite WebsiteVideo Playlist | Wikis in Plain EnglishGoogle Docs in Plain EnglishGoogle Docs HelpGoogle Docs for BusinessGoogle Drive | Common CraftCommon CraftGoogleGoogleGoogle | <https://www.youtube.com/watch?v=-dnL00TdmLY> <https://www.youtube.com/watch?v=eRqUE6IHTEA><https://support.google.com/docs?hl=en&p=#topic=1382883> <https://www.google.ie/intx/en_uk/work/apps/business/> <https://www.youtube.com/playlist?list=PL7s5DxOdh7PRYkJJiB1rddyqY-54Yn_R5>  |
| **Using Email** | WebsiteVideoVideoVideoWebsites | 10 Top tips for Using EmailHow to attach a file to an emailHow to setup an email signatureHow to know if an email is real (Phishing)Email Etiquette  | [www.mediacollege.com](http://www.mediacollege.com)GoogleGoogleGoogleGCFLearnFree | <http://www.mediacollege.com/internet/email/tips.html><https://www.youtube.com/watch?v=MXg6UGRyjKU><https://www.youtube.com/watch?v=WXJuO7fho2A> <https://www.youtube.com/watch?v=3vcLyvoKYZc> <http://www.gcflearnfree.org/email101/4>  |
| **Using the Internet to search for, retrieve, store, send, receive information** | WebsiteWebsite | Google Advanced Search – examples on how to create better search resultsGoogle Advanced Image Search - examples on how to create better search results | GoogleGoogle | <https://www.google.ie/advanced_search> <http://www.google.ie/advanced_image_search>  |
| **CRM Systems** | WebsiteWebsite with Video | Brief introduction to CRM systems for beginnersSalesforce CRM Website – aimed at businesses but provides easy to understand explanations of what customer relationship management is with case studies.InTouchCRM business website – good animated video explaining CRM concepts | Tech TargetSalesforceInTouch CRM | <http://searchcrm.techtarget.com/definition/CRM> <http://www.salesforce.com/eu/crm/what-is-crm.jsp#smb> <http://www.intouchcrm.com/>  |
| **Payments Systems** | Websites | Various online payment service providers | Various | [www.paypal.com](http://www.paypal.com)<http://www.worldpay.com/><http://www.wmtransfer.com/><https://www.paypoint.net/><https://stripe.com/ie><http://www.apple.com/apple-pay/><https://www.realexpayments.com/ie/realpay-business-starter?gclid=CIrR4dWZ7cgCFSGJ2wodKuUD5Q> |
| **Supply Chain Systems** | Book ChapterOnline BookWebsites | Computer Based Supply Chain Management and Information Systems Integration – Book Chapter – case studiesFull online book on slideshare.net Chapter 2 introduces the use of technology in SCM in detail. Rest of book good for reference and obtaining ideas.Various business websites | WileySlideshare/David FrederickVarious | <http://www.wiley.com/college/turban/0471073806/sc/ch10> <http://www.slideshare.net/NikhilVashistha/introduction-to-supply-chain-management-technologies-by-david-fedrick><http://go.sap.com/solution/lob/supply-chain.html><http://www.sage.ie/><https://www.oracle.com/applications/supply-chain-management/index.html>  |
| **Web Authoring** | Website | Converting word documents to webpages (2007)Word Processors and their usesDesktop PublisherDreamweaver (WYSIWYG Editor)Notepad++ (HTML editor)JoomlaDrupalGoogle Web Designer (BETA) | MicrosoftTCDMicrosoftDreamweaverNotepad++JoomlaDrupalGoogle | <https://support.office.com/en-us/article/Convert-a-Word-document-to-a-Web-page-34079d7a-a6e4-43fd-b6a9-b7f4fd5c4585> <http://www.maths.tcd.ie/~nora/FT351-1/Word%20Processing%20programs.pdf><https://support.office.com/en-us/article/Prepare-publish-and-maintain-your-Publisher-Web-site-1310645d-c0a1-4216-941f-bdc3fc778178> <https://notepad-plus-plus.org/download/v6.8.6.html> <https://www.joomla.org/> <https://www.drupal.org/> <https://www.google.com/webdesigner/features/>  |
| **HTML** | Website Tutorials | Code Academy – online learning[www.w3schools.com](http://www.w3schools.com) – good tutorial website for beginners, with interactive online editors.<http://htmldog.com/> - reference material, examples, projects | Code AcademyW3 Schools<http://htmldog.com/>  | <https://www.codecademy.com/learn/web> <http://www.w3schools.com/><http://htmldog.com/>  |
| **Principles of Web Design** | Book | Learning Web Design – good introductory book that brings the reader from how to get started designing a website to creating it. Chapter 1 to Chapter 3 excellent for explaining tools needed, design principles.Head First Web DesignThe Internet and Web Authoring | Jennifer Niederst Robbins, published by O’Reilly PublishingEthan Watrall, published by O’Reilly publishingFionnula Nicholson and Jacqueline Dempsey, GillMacmillan publishing | [http://www.amazon.co.uk/Learning-Web-Design-Beginners-JavaScript/dp/1449319270/ref=sr\_1\_1?ie=UTF8&qid=1446294248&sr=8-1&keywords=learning+web+design](http://www.amazon.co.uk/Learning-Web-Design-Beginners-JavaScript/dp/1449319270/ref%3Dsr_1_1?ie=UTF8&qid=1446294248&sr=8-1&keywords=learning+web+design) [http://www.amazon.co.uk/Head-First-Design-Ethan-Watrall-ebook/dp/B00CBM1WE8/ref=sr\_1\_2?ie=UTF8&qid=1446295786&sr=8-2&keywords=head+first+web+design#](http://www.amazon.co.uk/Head-First-Design-Ethan-Watrall-ebook/dp/B00CBM1WE8/ref%3Dsr_1_2?ie=UTF8&qid=1446295786&sr=8-2&keywords=head+first+web+design) <http://www.gillmacmillan.ie/computer-applications/computer-applications/the-internet--web-authoring>  |
|  |  |  |  |  |

 **Useful Organisations:**

|  |  |
| --- | --- |
| **Name** | **Contact Information** |
| W3Schools | [www.w3schools.com](http://www.w3schools.com)  |
| ComReg | [www.comreg.ie](http://www.comreg.ie) , [www.askcomreg.ie](http://www.askcomreg.ie)  |
| Callcosts | [www.callcosts.ie](http://www.callcosts.ie)  |
| Phone Smart | [www.phonesmart.ie](http://www.phonesmart.ie)  |
|  |  |

|  |
| --- |
| **MOOCs (Massive Online Open Courses)** |
| Free access to online coursesSearch regularly for new courses and new start dates | <https://www.mooc-list.com/><https://www.coursera.org/learn/internet-history>[www.codeacademy.com](http://www.codeacademy.com)  |

Recommended Reading

|  |  |
| --- | --- |
| **Name** | **link** |
| The Internet and Web Authoring | <http://www.gillmacmillan.ie/computer-applications/computer-applications/the-internet--web-authoring> |