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

**Suggested resources to support delivery:**

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| --- | --- | --- | --- | --- |
| **Theme/Topic** | **Type** | **Relevance** | **Author/Source** | **Web Link** |
| **History of the Internet** | Website  History Channel Video  YouTube Videos/animations  Interactive Video  Video  Online Article | Detailed resource  The Invention of the Internet  History of the Internet  How Does the Internet Works in 5 Minutes  Tim Berner’s Lee  Tim Berners Lee TED Talk  How Does the Internet Work? | Internet Society, contributions from MIT, Google and more  History Channel  YouTube  The Guardian  TED Talk  How 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 | Video  Video | The Next Web, Tim Berners Lee TED Talk  Internet of Things | TED Talk  How 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** | Video  Article  Online Article  Online Article  Online Article and Video  Online Article  Article (pdf)  Online Article  Video  Online Article  Report  Online Article  Booklet  Online Article | Your Online Life, Permanent as a Tattoo  Digital Signatures  What are Internet Cookies  How Internet Cookies Work  How Computer Viruses Work  What is a Computer Virus  Top Tips for Internet Safety at Home  What is antivirus software?  How to protect your computer from Malware  Creating Strong Passwords  Cybercrime  Encryption Definition  A Parent’s Guide to Filtering Software  What is a Firewall | TED Talk  How Stuff Works  BBC Webwise  How Stuff Works  How Stuff Works  Microsoft  Microsoft  Symantec  Google  Microsoft  Deloitte and Touche  WhatIs 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**  Cost  Functionality  Capacity  Suitability for home or business users | Website  Website | Office for Internet Safety  What 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) | Website  Website  Website | How to connect to the Internet  ISP for Business  Voice 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> |
| **Using the Internet** (voice/written communication, information search, file downloading, file sharing, e-commerce) | Website  Book Chapter  Book Chapter | Uses of the Internet (list)  The Internet and its Uses  E-commerce | [www.teach-ict.com](http://www.teach-ict.com)  Pearson  Pearson | [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) | Video  Video  Website  Website  Video Playlist | Wikis in Plain English  Google Docs in Plain English  Google Docs Help  Google Docs for Business  Google Drive | Common Craft  Common Craft  Google  Google  Google | <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** | Website  Video  Video  Video  Websites | 10 Top tips for Using Email  How to attach a file to an email  How to setup an email signature  How to know if an email is real (Phishing)  Email Etiquette | [www.mediacollege.com](http://www.mediacollege.com)  Google  Google  Google  GCFLearnFree | <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** | Website  Website | Google Advanced Search – examples on how to create better search results  Google Advanced Image Search - examples on how to create better search results | Google  Google | <https://www.google.ie/advanced_search>  <http://www.google.ie/advanced_image_search> |
| **CRM Systems** | Website  Website with Video | Brief introduction to CRM systems for beginners  Salesforce 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 Target  Salesforce  InTouch 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 Chapter  Online Book  Websites | Computer Based Supply Chain Management and Information Systems Integration – Book Chapter – case studies  Full 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 | Wiley  Slideshare/David Frederick  Various | <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 uses  Desktop Publisher  Dreamweaver (WYSIWYG Editor)  Notepad++ (HTML editor)  Joomla  Drupal  Google Web Designer (BETA) | Microsoft  TCD  Microsoft  Dreamweaver  Notepad++  Joomla  Drupal  Google | <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 Academy  W3 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 Design  The Internet and Web Authoring | Jennifer Niederst Robbins, published by O’Reilly Publishing  Ethan Watrall, published by O’Reilly publishing  Fionnula 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/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=sr_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> |
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**Useful Organisations:**

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| **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) |
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| **MOOCs (Massive Online Open Courses)** | |
| Free access to online courses  Search 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> |