

Bloom's (revised) taxonomy	Digital literacies pyramid	Example learning tasks with a digital literacy component	Relevant digital tools, applications and services (examples only)
Create	identity/ attributes	Develop teaching/revision materials on a topic	Web design/authoring software Animation building apps and tools Presentation tools e.g. powerpoint, keynotes, prezi e-publishing, e-book building sites wiki – including wikipedia (go on, write!) online quiz generator or institutional question & test software (write access) Authoring software e.g. xerte (used by students)
		Design an artefact using dedicated design software	Computer aided design software e.g. google sketchup Graphic design software e.g. Adobe system
		Design a research project and outline how technology can support the different phases	Project management tools/services e.g. basecamp, launchpad, MSproject, Reference management tools/services e.g. Mendeley, zotero, endnote Open and public data sets
		Write an app or develop some code relevant to your topic	App building web sites/services Code and scripting tools e.g. for editing html, perl, PHP, SQL
		Make a film/podcast/presentation about your topic	Digital video camera Presentation tools e.g. powerpoint, keynotes, prezi



		Audio capture device Video and/or audio editing software Screen capture software e.g. camtasia, jing, screencast Online video/slide distribution service e.g. vimeo, slideshare, youtube
	Build or develop an online community and engage others	Community building sites e.g. ning, elgg Social networks and media sharing sites Online conferences and discussion forums/noticeboards
	Explore a new way of using digital technology to support your research or studies, and demonstrate this to others	Any
	Develop an online profile or produce a digital story of your learning journey	Professional networking sites e.g. academia.edu, LinkedIn, GooglePlus Digital video camera or audio recording device and relevant editing software Website and web authoring software Personal blog e.g. wordpress
Evaluate	Share solutions to a problem online: review and comment on other people's contributions	Commenting function in googledocs (private) Review or comment function in social media sites (private) Annotation of pdfs



Explore the implications of using a particular technology, or using digital technology to address a particular research, study or professional issue	Any
Evaluate a range of online resources and produce a summary of the topic with links to validated sources	Google, google scholar and other search engines Scholarly databases and catalogues with search facilities Open repositories and data archives with search facilities Wiki post or other digital medium for reporting findings
Moderate a discussion	Text based conferencing Video conferencing Collaboration environment e.g. collaborate
Draw conclusions linked to evidence	Blog post or wiki page with links (internal or external) Spreadsheet or database application with graphical outputs used as evidence
Edit a presentation/article from a range of contributions	Wikispaces or wiki site Presentation software Collaborative authoring software e.g. googledocs, buzzword Storify, pearltrees or other collation/storification software Social referencing tool e.g. mendeley or shared bookmarking e.g. delicious
Describe and apply a method for reaching a decision, including criteria used	Decision-analysis software Mapping software



Analyse	practices	Identify patterns in data/evidence	Dedicated data analysis software with features such as sort, filter, formula and equations Visualisation apps e.g. wordle
			Geotagging and mapping
			Open and public data sets
		Argue, defend, with links to evidence	Blog post or wiki page with links (internal or external)
			Spreadsheet or database application with graphical outputs used as evidence
			Open and public data
		Collect and analyse questionnaire data	Googleforms, surveymonkey, Bristol Online Surveys (etc)
			Statistical analysis software e.g. SPSS
		Collect and analyse interview data	Video camera
			Audio capture device
			Qualitative data analysis software e.g. nVivo, hyperresearch
		Predict and explain what will happen in a	Simulation
		situation	Game-based environment
			Virtual world/virtual reality environment
		Produce a map of a given topic or problem	Reference management software
	space	Mind mapping software	
			Process analytics
			Geotagging and geomapping



Developing Digital Capability Developing Digital Capabil Bloom's Digital Taxonomy

Apply	Demonstrate a complex method, practice or technique	Any discipline-specific device Audio or screen capture technology e.g. camtasia, screencast, audacity Digital video to capture a performance Illustration software e.g. Adobe suite Presentation software e.g. powerpoint, prezi Virtual world
	Explore a case study or situation through a simulation	Simulation environment, simulation elements Game-based environment Virtual world e.g. secondlife Open simulations/representations e.g. virtual human project, google earth, worldofmolecules etc
	Carry out a procedure or apply a method using specialised hardware or software	Any subject/profession specific hardware/software
	Aggregate, curate or organise materials	Storify Collaborative filing e.g. via dropbox Social bookmarkinge.g. delicious Aggregation services e.g. pearltrees, tumblr, pinterest, evernote Digital writing e.g. word processing, wiki post, blog post
	Re-use, repurpose materials	Access to materials for repurposing/re-use Editing and/or aggregating software as above



			Digital writing e.g. word processing, wiki post, blog post
Understand	skills	Mind map a topic	Mindmapping software e.g. Cmap, mindjet, Mindmeister, xmind Graphical features of presentation and writing software e.g. prezi Aggregation services e.g. pearltrees, tumblr, pinterest
		Reproduce ideas from one medium in another	Any digital production medium e.g. video, audio, photographs, drawing, animation, or multimedia e.g. web, blog pos
		Select search terms to locate relevant materials	Google, google scholar and other search engines Scholarly databases and catalogues with search facilities Open repositories e.g. of learning resources Search by keyword and hashtag e.g. on twitter, blogs, online discussions, file sharing sites
		Organise relevant materials through tagging, filtering or categorising	Keyword tagging in media sharing sites e.g. youtube, slideshare Tagging on blogs and wikis Hash tagging on e.g. twitter, MOOCs, online discussions Online file management sites e.g. evernote, dropbox, scrapbook Collating/file managing apps
		Take a quiz or poll to test understanding	Electronic voting devices (with suitable questions and feedback) Online quiz generated by e.g. institutional question and test software or online quiz generator such as hot potatoes



		Feedback in a range of media e.g. electronic, audio
	Practice writing in an academic style/voice for different media	Any: twitter, blog, web page, briefing, voice-over You may want to give guidance on writing for the web or other specific media as well as criteria for academic writing.
	Gather examples or illustrations of a concept	Wiki page with links Bookmarking site e.g. delicious, reddit, digg, stumbleupon Archive building application e.g. omeka Twitterfeed Subscription sites/aggregators e.g. RSS feeds, bloglines, blogger, firefox extensions
	Explore pathways through a topic	Interactive learning resource or virtual tutorial Open learning resource or repository of resources Mindmap or graphical presentation (read mode)
Remember	Label a diagram	Online whiteboard, collaborative writing/drawing apps Diagrams to be labelled can be created in e.g. Adobe Flash, xerte, hot potatoes, some question and test software
	Make a recording	Digital audio device Digital video or stills camera Media sharing site e.g. flickr, vimeo, instagram Media repository or personal file space



Take a quiz or poll to answer factual questions	Electronic voting devices (with suitable questions and feedback) Online quiz generated by e.g. institutional question and test software or online quiz generator
Identify and download a video, podcast, online tutorial or lecture relevant to a topic – remembering to take notes!	Open learning repository e.g. OCW, OpenSpires, OpenLearn, FutureLearn iTunesU, TED talks, other online educational sites institutional VLE with podcasts/lecturecasts available Note-taking or simple authoring app/software
Locate online resources using given terms/criteria or from a known source	Google, google scholar and other search engines Scholarly databases and catalogues Open repositories e.g. of learning resources
Practice a basic skill or process in a simulated environment, e.g. to prepare using it in the field, lab or workplace	Simulation Virtual world Games-based environment Haptic environment