INSTRUCTIONALLY APPROPRIATE TECHNOLOGY INTEGRATION FRAMEWORK (IATI)

CATEGORY	REVISED BLOOM'S TAXONOMY LEVELS (Learning Objectives)	ESSENTIAL CHARACTERISTICS (Instructional Purpose)	DIGITAL TECHNOLOGY TOOL EXAMPLES (Tools are interchangeable and can be used for more than one category.)
Acquisition & Investigation Tools	**REMEMBERING** *recognizing, listing, describing, identifying, retrieving, locating, finding*	Capture information	• devices (e.g. camera, scanner, smartphone) • screen capturing (e.g. Screenshot, Jing, Screenr, QR Code generators and QR readers)
		Collect information	• online bookmarking (e.g. Diigo, Zotero, Pinterest, Juxtapost) • online image databases (e.g. Flickr, Google Art Project) • online video databases (e.g. YouTube, Vimeo, Teacher Tube) • online notebook creators (e.g. EverNote, DropBox, GoogleDrive) • crowdsourcing data (e.g. iNaturalist, iDigBio)
Presentation & Remixing Tools	**UNDERSTANDING** *interpreting, summarizing, inferring, paraphrasing, classifying, comparing, explaining, exemplifying*	Alter existing content	• multimedia generators (e.g. Animoto, Magisto) • video slicing (e.g. TED-Ed, TubeChop) • word cloud generators (e.g. Wordle, Tagxedo, Jason Davie's Word Tree)
	APPLYING *implementing, carrying out, using, outlining, executing*	Present information	• presentation applications (e.g. PowerPoint, Prezi, GoogleSlides, HaikuDeck) • poster/graphic design creators (e.g. Canva, Piktochart) • webpage creators (e.g. Glogster, Padlet, TACKK) • wiki applications (e.g. PBworks, Wikispaces) • blogging applications (e.g. WordPress, Blogger, Weebly)
Discussion & Reflection Tools	**ANALYZING** *comparing, organizing, deconstructing, attributing, integrating*	Dissecting information	• mind map generators (e.g. Coggle, Bubbl.us, Popplet) • analytical tools (e.g. Many Eyes) • mobile interactive "whiteboards" (e.g. Educreations, Explain Everything, ArtPad)
	EVALUATING *checking, hypothesizing, critiquing, judging, testing, detecting, monitoring*	Communicate reactions	• online polling applications (e.g. PollEverywhere, Socrative) • feedback forms (e.g. GoogleForms, Survey Monkey) • multimedia discussion (e.g. VoiceThread, LittleBird Tales) • social media (e.g. Edmodo, Twitter, GroupMe) • backchannels (e.g. Todays Meet, GoogleModerator) • real time discussion (e.g. Skype, GoogleHangout)
Creation & Editing Tools	**CREATING** *designing, constructing, producing, inventing, devising, making*	Generate original artifacts	• book creators (e.g. Snapfish, Smashwords, Storybird, Pixton Comics, Comic Creator) • audio editing (e.g. Audacity, Podomatic, Podcastomatic) • video editing (e.g. iMovie, Movie Maker, FileLab's Video Editor) • animation applications (e.g. GoAnimate, PowToon) • computer programming (e.g. Scratch, Scratch Jr., Hopscotch) • 3D modeling (e.g. Autodesk 123d, TinkerCAD) • screencasting applications (e.g. Jing, Screencast-o-matic) • drawing applications (e.g. Pixlr, SumoPaint, Inkscape, Gimp) • video game creators (e.g. Gamestar Mechanic, Sploder) • app makers (e.g. AppMakr, Infinite Monkeys) • music creators (e.g. MusicMakerJam, Ujam)

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