

Bloom's Taxonomy in a Digital World

TAXONOMY	DIGITAL APPROACH	ALIGNED RESOURCES
Remember -In the digital realm, students cannot possibly remember all material available. Digital Bloom's would imply that students can use a digital form to find, manage, organize, and retrieve information and knowledge.	Bookmarking/Social Bookmarking	www.delicious.com Enables the user to create and share various bookmarks to websites that are helpful, knowledgeable, informational, etc. This site can be used by a teacher to share her bookmarks regarding resources or among students/teams for gathering/retrieving/sharing valuable resources. Bookmarks may be saved on this site and accessed anywhere an internet connection is available.
	Searching/Googling	www.google.com www.yahoo.com Use advanced searching features such as quotes (" ") or exclusions (-) to help search (for more info go to http://www.google.com/support/websearch/ and click on Tips for Searching.)
	Vocabulary	www.flashcardmachine.com Create online flash cards to print, quiz oneself, or study. Can also download the app for iPad, iPhone, iTouch, and use these forms to study vocabulary. Teachers may use this and make publically available to their students; students may login and study via iPod or iPad. (Will utilize copy and paste features for definitions; relatively quick setup). www.tagxedo.com www.wordle.net/ Both websites turn words -- famous speeches, news articles, slogans and themes, even your love letters -- into a visually stunning word cloud, words individually sized appropriately to highlight the frequencies of occurrence within the body of text. www.armoredpenguin.com/ Puzzle resource to create word searches, word matches, word scrambles, etc.
	Curriculum Enhancement	http://www.digitalvaults.org/ The National Archives Digital Vault contains over 1200 historical documents documenting history and literature. Challenges are available for students to read about the digital archive and map it to a connecting piece of historical data.
	Photo Editor	http://www.picnik.com/ Use to amplify effects of a photo. Add effects, fonts, shapes, and frames to photos to use in classroom projects.

The above digital resources may be used in many contexts and forms. It is **not implicitly implied that each digital resource is only relevant for each cognitive dimension listed.
 Compiled by Angela Dills, Instructional Management Coordinator, Career and Technical Education, Jackson County Schools*

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	Digital Graphic Organizers & Thinking Maps	Recognizing Details
Understand -In the digital realm, students are able to explain connections from digital content, build relationships, and link digital knowledge together. This student can summarize and rephrase to construct meaning. In this dimension, students may be able to take information from digital forms (as gained in the remember dimension above) and convert it to another form (written, verbal, digital).	Discussion Board/ Blogging/Journaling	www.wikispaces.com Wikispaces allow you to upload documents, audio files, video files, links, and images to a “homepage.” Users of the wiki may edit (with permission) documents and also may post in the discussion thread. www.blogger.com Works through a Google account (which can be set up as jcpsmail.org as your domain email). User can blog and post journal entries. Use in classrooms for students to record notes or responses after reading. Can be incorporated into a Before, During, and After Reading form as a literacy strategy. Other students who have a Blogger.com account can go in and post to this website.
	Vocabulary	http://www.wordnik.com/ An online Vocabulary Powerhouse! Contains definitions from many dictionaries, parts of speech, examples of use in sentences, root words, related words (including synonyms, equivalents, same context words, reverse dictionary words), corresponding word lists, visuals, and audio of the word spoken. No login required. In RBT, students are required to compare, contrast, explain, discuss, and clarify (to name a few). This website would be very helpful in writing and stretching the use of vocabulary.
	Assessment	http://jeopardylabs.com/ A utility to type in questions and allow students to play along Jeopardy style for a review. No login required, but one must create a password so that later you can make changes. Also, may play with multiple teams in a room, but to keep score, you must manually check score at the bottom of the screen. http://testmoz.com A utility to type in questions (multiple choice only) so that students can test online. Teacher does not need a login or to “sign up” you must just password protect the test and remember or bookmark the URL given to take the test. Teacher will also put in a passcode for students to take test. From the admin window for that test, you can get reports on student progress. Will not link various tests together, but a great way to get students to practice the art of “taking tests online.” http://www.surveymonkey.com/home/ A great site to use to gather responses via internet to do reports. This site is more aimed at surveys it would help you gather important information from

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		parents and students. You can send the survey via a web link, embed on a website or blog, or email to respondents. Requires setting up a free account with username and password.
	Presentations	<p>http://prezi.com/index/ A fun interactive way to present material. Very useful for classroom presentations, can contain a variety of media including files, pictures, webpages, text, etc.</p> <p>http://animoto.com/ A web tool to turn photos, video clips, and music into video “masterpieces” to share. Can be used as a presentation method.</p> <p>http://edu.glogster.com A web tool to create an online interactive “poster” that allows users to input text, graphics, pictures, videos and more. Easy, fun, and interactive for students.</p>
	Commenting/Annotating Through Document Sharing	<p>http://notaland.com/ Mash your ideas and media together with friends in a dynamic whiteboard wiki. Using photos, videos, and other web content you can instantly create brainstorm, presentations, scrapbooks, and enjoy an interactive chat with more than 50 friends. Have to have a sign-in (create a login name & password). Blocked----</p>
	Audience Input	<p>http://www.polleverywhere.com/ An instant audience feedback site that allows the user to designate questions for the audience to answer via computer or mobile phone. Can be short answer or multiple choice. Presenter may then capture the poll in real-time and discuss answers and responses with the class.</p> <p>ActiveExpressions or ActiveVotes Use these input devices to capture student responses to questions and discuss answers and inputs from audience.</p>
	Digital Graphic Organizers & Thinking Maps	<p>Venn Diagram Describing Events & Sequences Cause & Effect Cause, Result & Effect KWL Chart Vocabulary Journal Identifying Reasons Concept Map Process Cycle</p>

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		Circle Map Bubble Map Tree Map
Apply -Carry out or use a procedure in a given situation.	Write	http://www.piclits.com/ An online “inspired picture writing” enables the user to create literary pieces to share his/her work. Good for writing poetry and studying parts of speech. Sign up for an account is necessary (username and password required to “save” piclits).
	Behavior Modification	http://www.classdojo.com A tool for behavior modification in the classroom. Each student has an avatar. Will keep track of all positive and negative behaviors and provide reports based on performance.
	Problem Solving	http://en.linoit.com/ An online “stickie” tool that can be used as a bulletin board to problem solve, implement solutions, brainstorm ideas, how to execute a task. Can “customize” colors of “stickie” notes to group number.
	Procedure Presentation	http://www.techsmith.com/jing/ A free download that will allow the user to create videos of screen shots and pictures while adding sound and narration. A great resource for students to develop “how-to” videos or “explain a procedure.”
	Digital Graphic Organizers & Thinking Maps	BDA Reading Organizer Roles & Audiences
Analyze -Break material into its constituent parts and determine how the parts relate to one another and to an overall structure or purpose.	Organize Connections	http://www.popplet.com/ Use Popplet as a way to organize ideas and share linkages among information. Information can include weblinks, pictures, video, or text. A great way for students to brainstorm ideas or to “break apart” theories, ideas, or procedures.
	Timelining	http://www.xtimeline.com/index.aspx A useful tool to create timelines of events. Useful for having students create a timeline of events in history to understand how each event shapes a total historical or literary period.
	Digital Graphic Organizers & Thinking Maps	Brace Map Flow Map Bridge Map
Evaluate	Digital Narration/Commentary	Digital Voice Recorder

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<p>-Make judgments based on criteria and standards.</p>		<p>Digital Voice Recorders may be used in many ways to evaluate and Create*. One such use is for students to read and record themselves early in the year or semester and then listen later in the semester and evaluate his/her progress (especially useful in early grades and foreign language courses).</p>
	<p>Podcasting</p>	<p>iTunes.com http://mypodcast.com/ Digital voice recorders or microphones may be used to create podcasts for narration or commentary to evaluate or critique a book, literary work, historical period, science theory, etc. www.screencast-o-matic.com/ One click screen recording with no installation necessary. Max recording time is 14 minutes, and will allow publishing to YouTube, AVI or MP4.</p>
<p>Create -Put elements together to form a coherent or functional whole; reorganize elements into a new pattern or structure.</p>	<p>Digital Storytelling</p>	<p>http://www.zooburst.com/ ZooBurst is a digital storytelling tool that lets anyone easily create his/her own 3D pop-up books online. http://myths.e2bn.org/story_creator/ Create your own story using creatures, sounds, text, characters, and scenery. Aligns with stories of mythology and provides a platform for students to create an online fictional myth or legend. http://www.voki.com Create an avatar...customize look, clothing, and accessories then add your own voice via phone, microphone, text to speech or upload a file, choose a background and publish your site. A great site to use for character analysis, biographies, and digital stories. When published, avatar can be emailed with one click of the mouse.</p>
	<p>Story Creation</p>	<p>http://storybird.com/ Use this website to create art inspired stories to share, read or print. Can be useful for students to apply knowledge of history, science, or literature into their own writing creation. http://scratch.mit.edu/ Scratch is a program download that makes it easy to create your own interactive stories, animations, games, music, and art -- and share your creations on the web.</p>
	<p>Interactive Presentation/ Radial Mapping</p>	<p>www.spicynodes.org A fresh, visual way to guide users or present an audience with information. Uses information and creates an interactive outline that will highlight information in</p>

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		sequencing and explore depths of information. Can upload webpages, Youtube videos, pictures, etc. Uses a radial mapping technique with nodes to place information. Encourages exploration of depth and complex topics.
	Digital Graphic Organizers & Thinking Maps	Project Based Learning Mediums