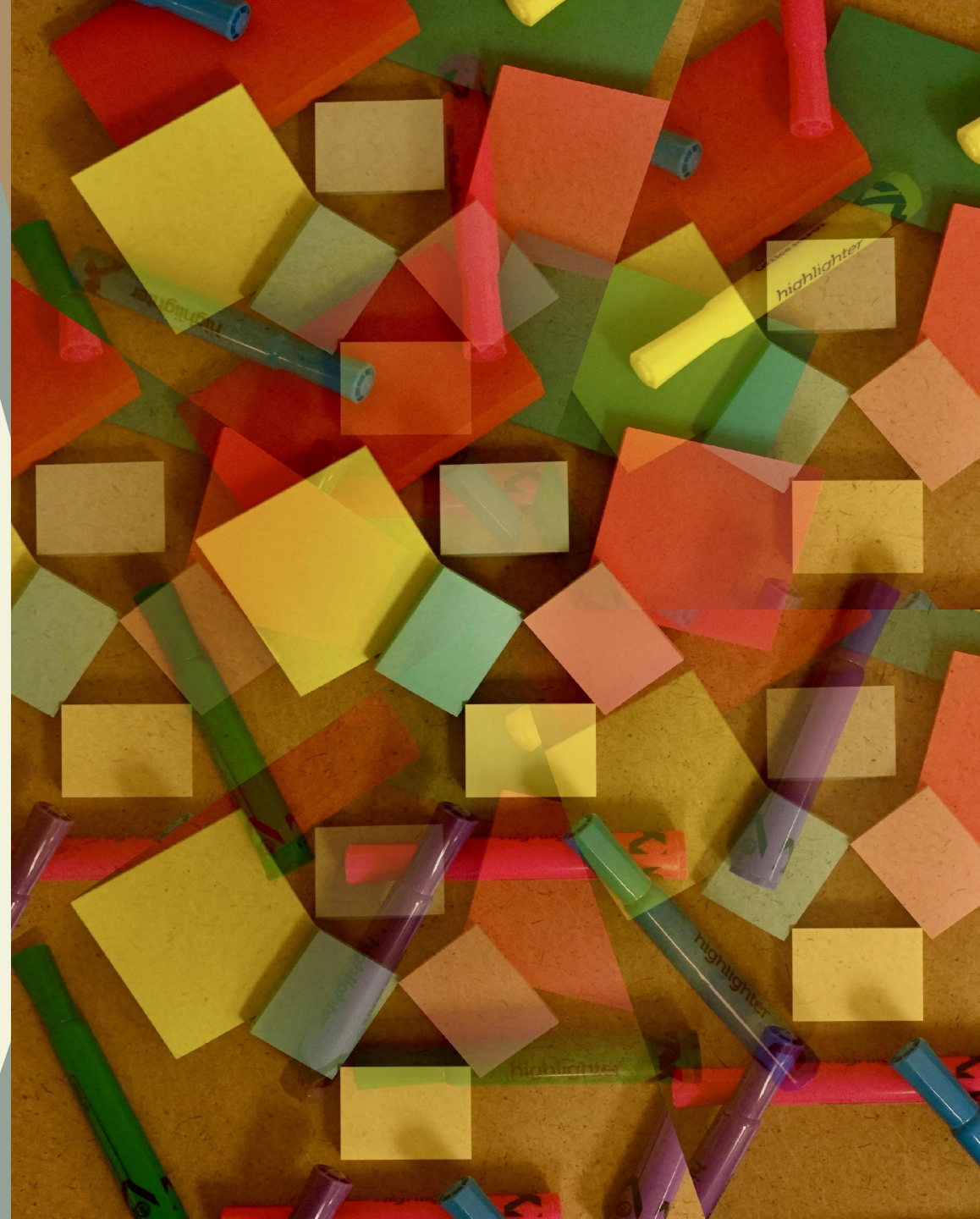


Radical Research: Good-Bye Highlighters and Post-Its!

Hello Digital Tools for the 21st Century

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May 3, 2019

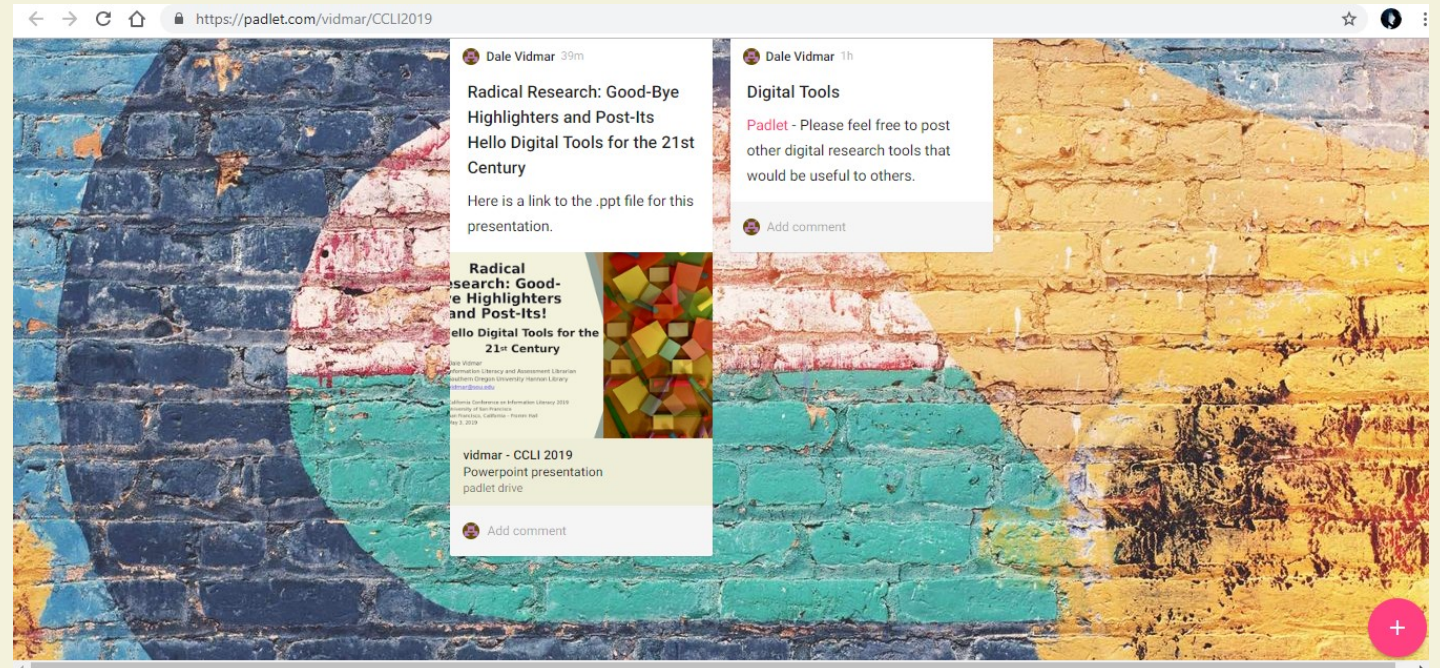


Digital Discourse

Padlet

Go to: padlet.com/vidmar/CCLI2019

password: radical



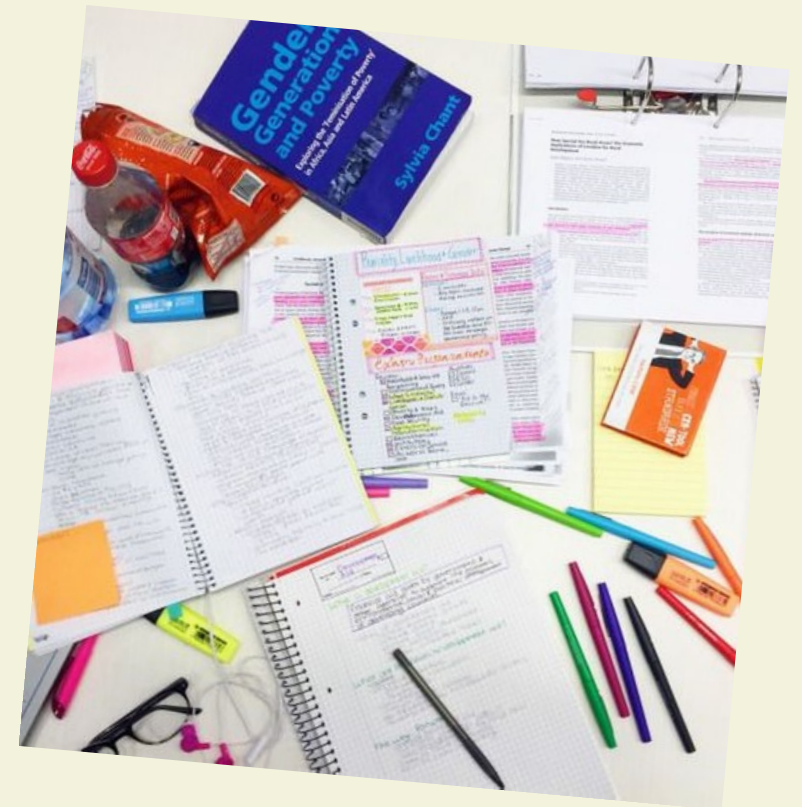
What are We Doing and How?

What? The Takeaways or What We Can Do on Monday!

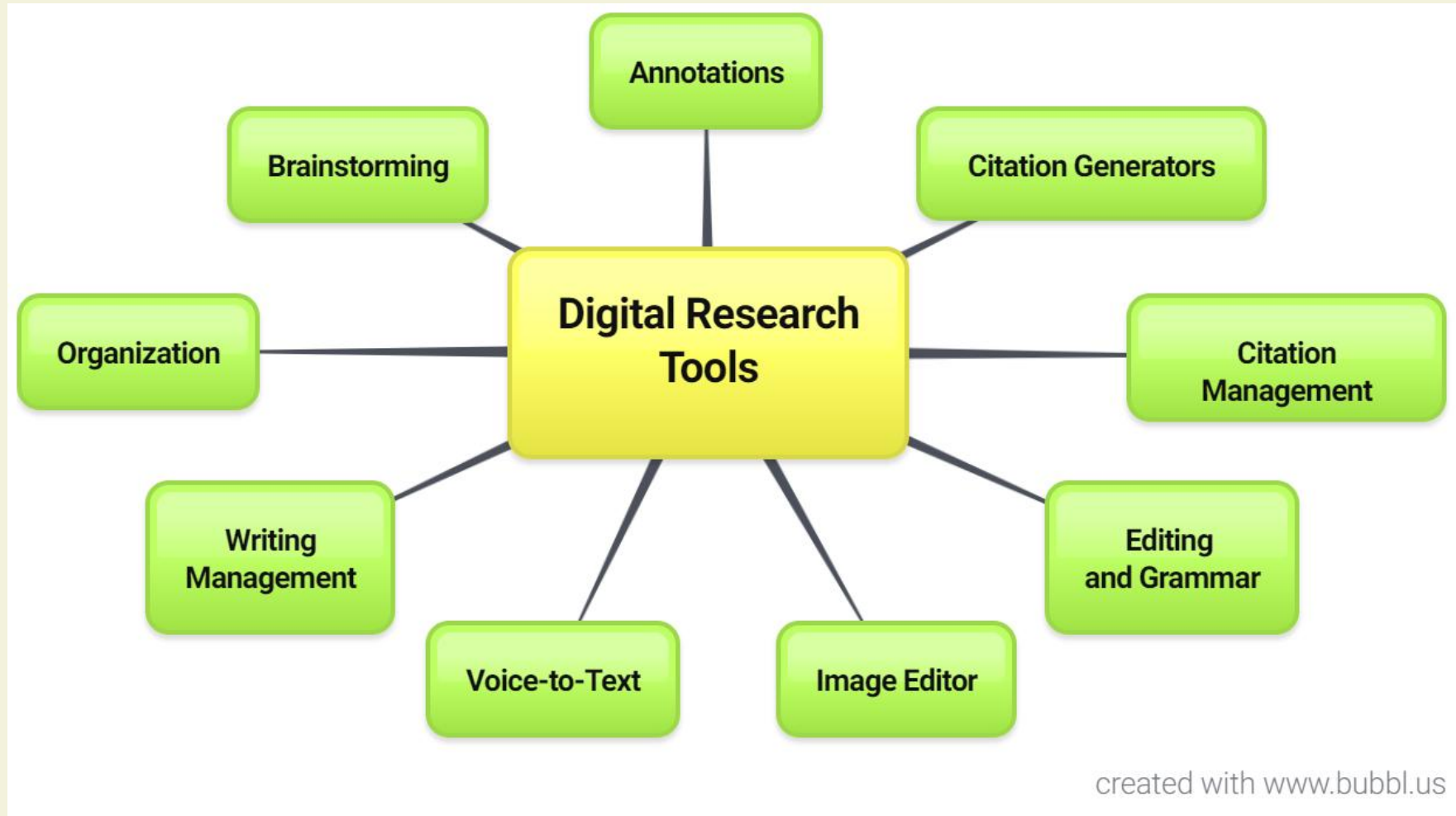
- Adapt and incorporate emerging digital tools into information literacy instruction to assist students with research, writing, and information management.
- Demonstrate various digital tools and transform the way students interact with information.
- Illustrate alternative emerging methods to read, highlight, annotate, tag, and organize research in order to improve student learning.

How? What You will be Subjected To!

- Presentation of a variety of digital tools organized in categories.
- Demonstration of select tools.
- Small group breakout discussion.
- Large group discussion.



Digital Research Tools



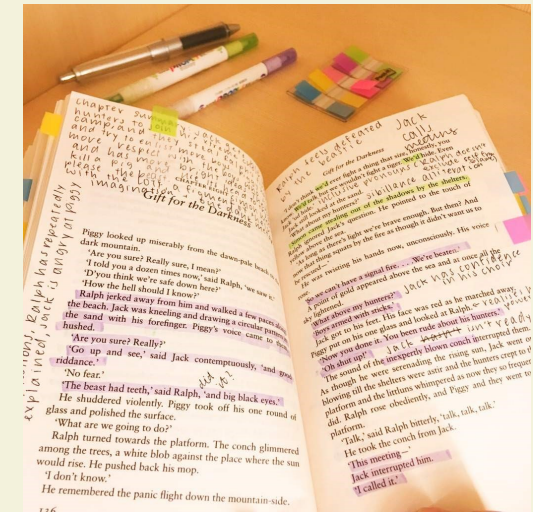
Marginalia/Digital Annotation

Marginalia (Jackson, 2001)

- Writing in the margins or another area of other people's text.
- Thought of as discourse or reader response.
- Spontaneous notes or comments (McClelland, 2016).
- Measure of intellectual engagement of reader.

Digital Annotation

- Also called “digital social reading” and “digital discourse” (Skains, 2019).
- Using a digital method of annotation to share comments and notes.
- Online means of interacting with text.
- Includes but is not limited to citation generators, annotations, notetaking, tagging, voice-to-text, grammar and spell checkers, brainstorming, information management and organization, image editors, etc.

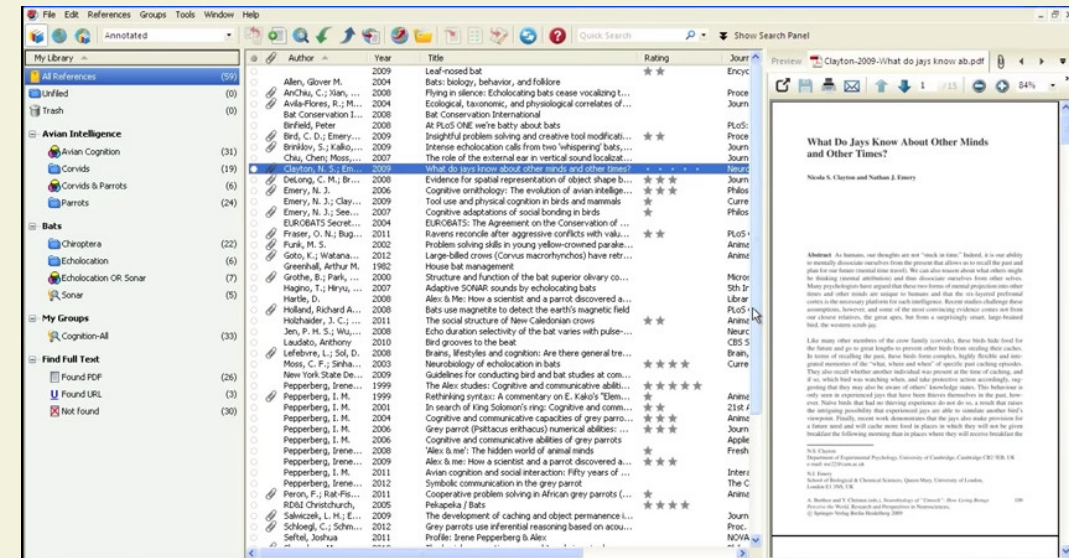


Most paper annotations are relatively simple "anchor only" type annotations consisting of underlining, circling, margin notes, etc. (Mehta, Bradley, Hanncock, & Collins, 2017).



Top of the Class

- Endnote - endnote.com/ - commercial online research and reference management tool that stores, searches, and constructs bibliographies a myriad of style beyond APA, MLA, etc. Endnote also annotates, tags, and searches documents and notes. Also, works with word processing software such as Word to insert citations and create bibliographies and in text citations.
- RefWorks - www.refworks.com/refworks2 - powerful commercial online research and reference management tool that stores information, generates citations, and creates bibliographies in a myriad of formats beyond APA and MLA. Similar to Endnote, Refworks annotates, tags, and searches documents. The Write-n-Cite feature works with word processing software such as Word to insert citations and create bibliographies and in text citations.



Citation Generators

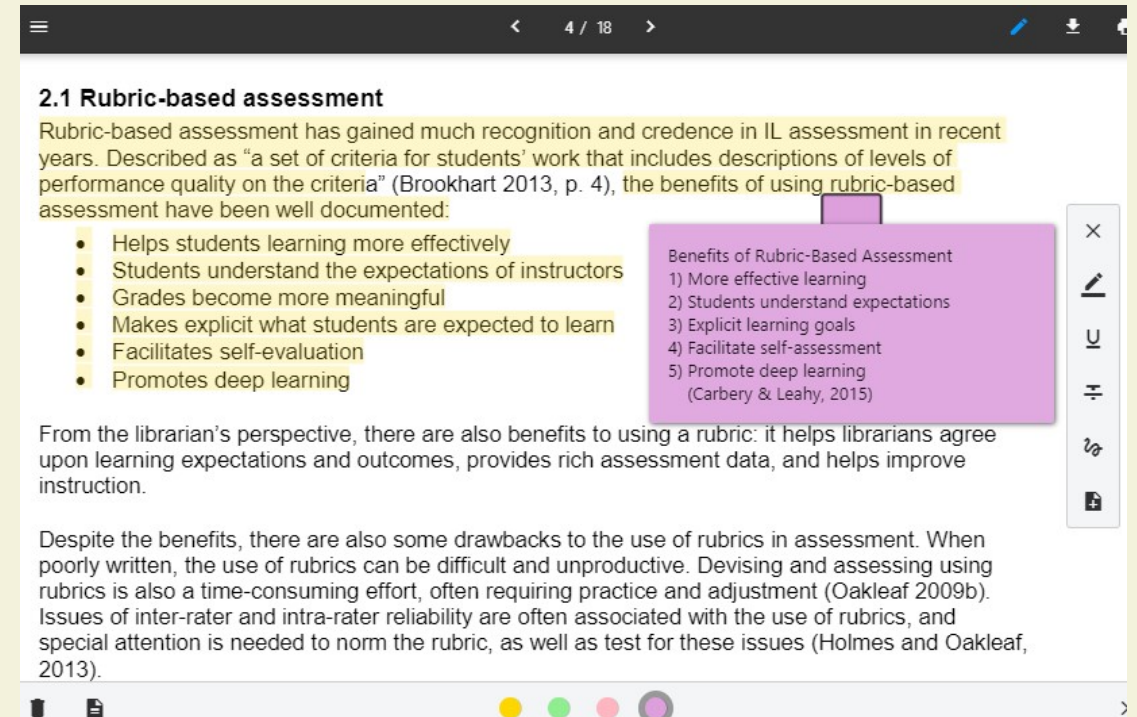
- Citefast - <http://www.citefast.com/> - generates bibliography, in-text citations, and a title page in MLA, APA, and Chicago. Citations kept indefinitely with free account. Provides in-text examples.
- BibMe - www.bibme.org/ - creates citation lists in MLA, APA, Chicago, and Turabian. \$9.95 monthly fee.
- Citation Machine - <http://www.citationmachine.net/> - generates citations in MLA, APA, Chicago, Turabian, and more.
- Easy Bib - <http://www.easybib.com/> - generates citations and works cited pages in MLA, APA, and Chicago formats. Includes citation guides for the various formats. \$9.99 monthly subscription.

The screenshot displays the Citation Machine website interface. It is divided into four main sections:

- 1 Select source:** A dropdown menu with options for Webpage, Book, Journals, Web Image, Newspaper, and Online Video. The 'Journals' option is selected.
- 2 Enter Journal information:** A form for manual entry. The article title is 'Using rubrics to assess information literacy - an examination'. The author is 'Oakleaf'. The journal is 'Journal of the American Society for Information Science and Technology'. The year published is 2009, volume 60, issue 5, pages 969-983. The DOI is 10.1002/asi.21030.
- 3 View citations:** A section showing the generated citation in APA format: 'Oakleaf, M. (2009). Using rubrics to assess information literacy: An examination of methodology and interrater reliability. *Journal of the American Society for Information Science and Technology*, 60(5), 969-983. doi:10.1002/asi.21030'. It also shows a list of references with in-text citations.
- 4 Export:** A section with buttons for 'Copy/Paste', 'Export to', and 'INSTANT GRAMMAR CHECK'.

Basic Digital Tools

1. Underlining/Highlighting
2. Notetaking/Writing in the Margin
3. Organizing Ideas and Concepts
4. Tagging
5. Searching
6. Citation Management
7. Voice-to-Text



The screenshot shows a digital document viewer interface. At the top, there is a navigation bar with a hamburger menu icon on the left, a page indicator '4 / 18' in the center, and a search icon and a download icon on the right. The main content area displays a document page with the following text:

2.1 Rubric-based assessment

Rubric-based assessment has gained much recognition and credence in IL assessment in recent years. Described as "a set of criteria for students' work that includes descriptions of levels of performance quality on the criteria" (Brookhart 2013, p. 4), the benefits of using rubric-based assessment have been well documented:

- Helps students learning more effectively
- Students understand the expectations of instructors
- Grades become more meaningful
- Makes explicit what students are expected to learn
- Facilitates self-evaluation
- Promotes deep learning

From the librarian's perspective, there are also benefits to using a rubric: it helps librarians agree upon learning expectations and outcomes, provides rich assessment data, and helps improve instruction.

Despite the benefits, there are also some drawbacks to the use of rubrics in assessment. When poorly written, the use of rubrics can be difficult and unproductive. Devising and assessing using rubrics is also a time-consuming effort, often requiring practice and adjustment (Oakleaf 2009b). Issues of inter-rater and intra-rater reliability are often associated with the use of rubrics, and special attention is needed to norm the rubric, as well as test for these issues (Holmes and Oakleaf, 2013).

A callout box on the right side of the page, titled "Benefits of Rubric-Based Assessment", lists the following points:

- 1) More effective learning
- 2) Students understand expectations
- 3) Explicit learning goals
- 4) Facilitate self-assessment
- 5) Promote deep learning (Carbery & Leahy, 2015)

The document viewer interface includes a vertical toolbar on the right side with icons for close, edit, undo, redo, zoom in, zoom out, and print. At the bottom, there are window control buttons (minimize, maximize, close) and a system tray area with colored dots.

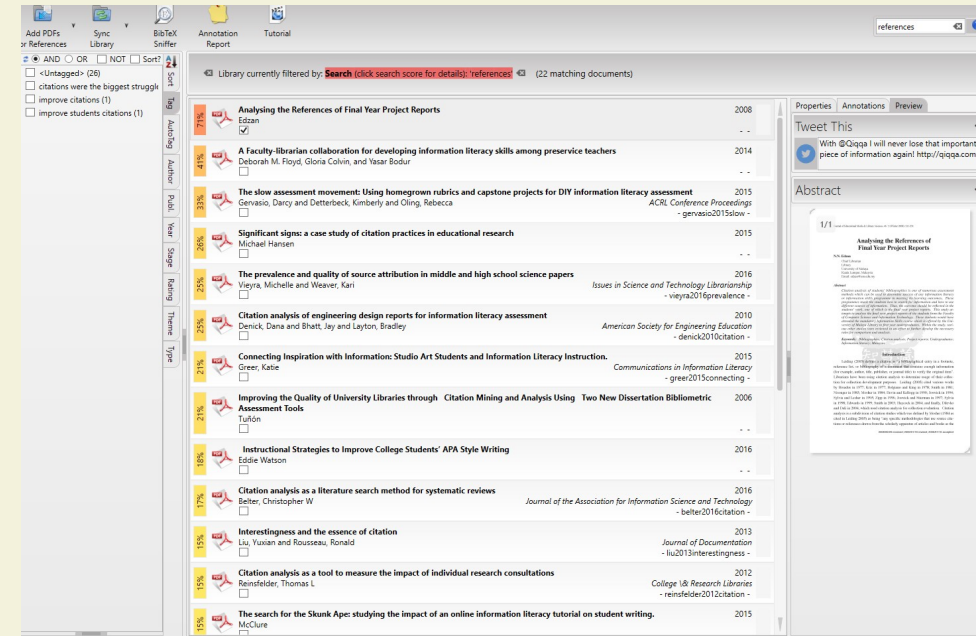
Annotation

- ReadCube - www.readcube.com – tool that imports .pdf files, manages searchable references, makes inline notes, compiles notes, and highlights while reading. Cost - \$55/year.
- A.nnotate - a.nnotate.com/ - store and share comments on .pdf files, Microsoft Office documents, images, and Internet sites. Includes the ability to create notes anywhere on an item and share them with others. Works on common browsers without having to install software or plugins. Limited documents space with free subscription.
- Scribe - <http://chnm.gmu.edu/tools/scribe/> - program for note-taking program that can manage research notes, comments, and ideas, so they can be indexed, searched, and cross reference like an online index card that is searchable.



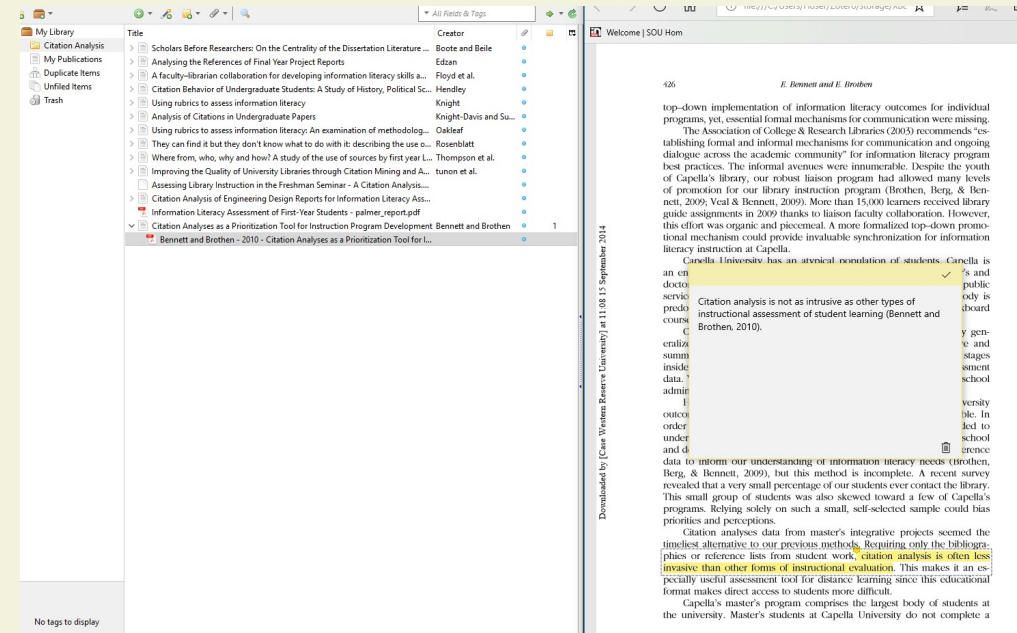
Citation Management

- Qiqqa - www.qiqqa.com/ - manage references, read, annotate, tag, search, and cite .pdfs and other documents.
- Mendeley - www.mendeley.com/ - create a personal library of research. Search, sort, annotate, create sticky notes, and cite using appropriate style.
- Citavi - <https://www.citavi.com/en> - manage references, integrate .pdfs and other documents, evaluate content, organize content, and cite sources. Limited use free version.
- JabRef - <http://www.jabref.org/> - manage references and store fulltext documents online. Export files from databases such as PubMed, Google Scholar, Web of Science, Medline, or with the Digital Object Identifier (DOI).



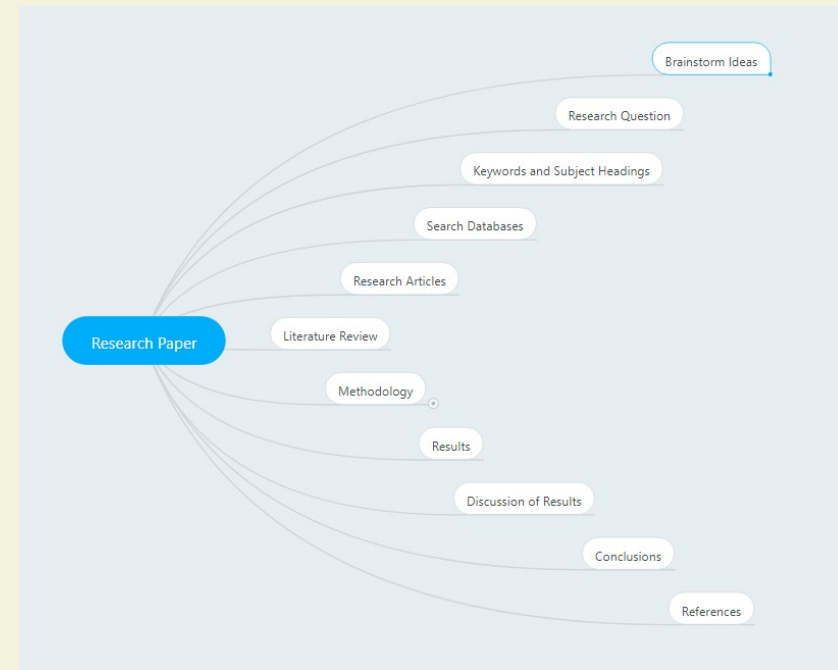
Citation Management

- Zotero - www.zotero.org — tools that creates a searchable personal library of sources, indexes the full-text, annotates, tags, and cites references. Limited 30 MB free storage.
- Colwiz - www.colwiz.com — stores files, maintains reference library, annotate documents, and cite references. 2 gig free document limit.
- ReadCube - www.readcube.com — tool that imports .pdf files, manages searchable references, makes inline notes, compiles notes, and highlights while reading. Cost - \$55/year.



Brainstorming

- Mindmeister - www.mindmeister.com – collaborative mind mapping and brainstorming tool to help organize your thoughts. Up to 3 free mind maps or \$4.99/month for unlimited mind maps.
- Bubbl.us - bubbl.us – visual thinking tool that creates a graphical mind map of ideas and concepts to structure information. Up to 3 free mind maps or \$59 annually--\$4.91/month for unlimited mind maps.
- MindMup - www.mindmup.com/ - brainstorm and create mind maps, presentations, and outlines to help focus ideas and collaborate with others. Converts mind maps to .pdf, PowerPoint, and other programs. Unlimited free mind maps.
- VUE - vue.tufts.edu/ - visual understanding environment (VUE) provides a concept and content map to visually organize digital files. Download app for free Windows or Mac versions.



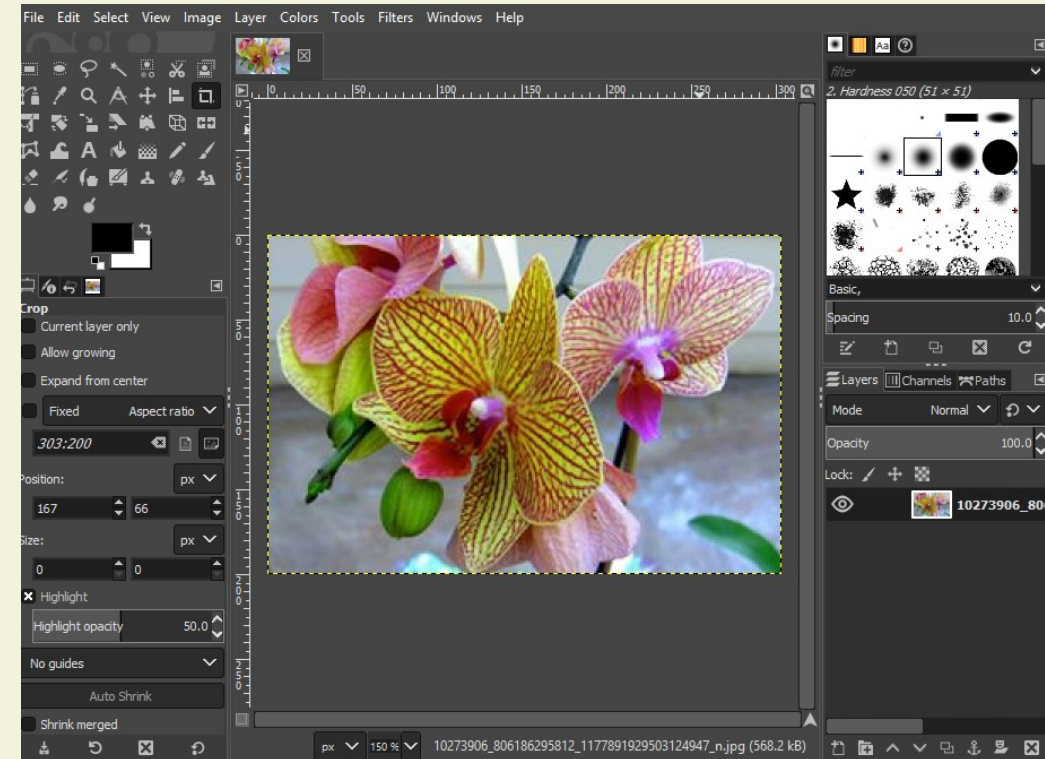
Editing and Grammar

- Grammarly - www.grammarly.com – check grammar, writing style, spelling and other aspects of writing including plagiarism.
- Ginger - firstsiteguide.com/ginger/ - proofreads and checks punctuation and Grammar inside Word, so you do not have to upload or copy and paste text.
- Hemingway App - <http://www.hemingwayapp.com/> – highlights lengthy, complex sentences and common errors to help write more concise and clear sentences. Paste text into the app or write something directly.

The screenshot displays the Grammarly interface. On the left, a snippet of text is shown with the word "asseses" highlighted in red. A tooltip box appears over the word, showing the correction "asseses" in a green box. The tooltip text reads: "The plural verb **asseses** may not correctly agree with the collective noun **faculty**. Consider changing it to the singular form." Below the tooltip, a list of suggestions is visible, including "A first step to", "and learning were not insightful", "Also, each strata (program) had", "citations was the central to the", "...hetical references were assessed as", "samples that reflects the range", "texts students produce in response", "relevant to subject matter", "unrelated to research topic", "related to research topic", and "related to research topic". On the right side of the interface, a sidebar shows the "Grammar" section with a count of 18 errors. Below this, there are sections for "SPELLING", "GRAMMAR", "PUNCTUATION", "CONVENTIONS", and "ADVANCED ISSUES". At the bottom right, there are icons for "PLAGIARISM" and "HUMAN PROOFREADER".

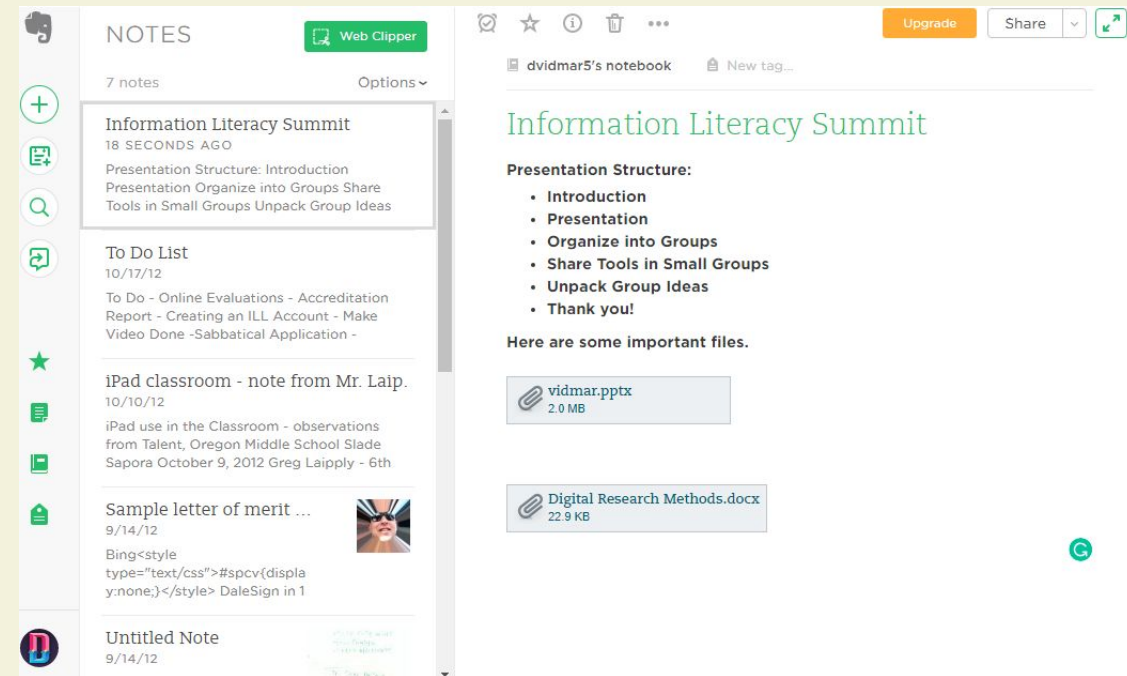
Image Editor

- GIMP - www.gimp.org – open source image editor that enable retouching, resizing, rendering, and converting format.
- Photo Pos Pro - <https://www.photopos.com/> - offers separate alternative interfaces for novice or advanced users. Enables image editing and correction tools. Limited size of saved files.
- Pixlr Editor - <https://pixlr.com/editor/> - open source free Photoshop style photo/image editor.
- SumoPaint - www.sumopaint.com – photo/image editor that works directly from the browser without installing software.



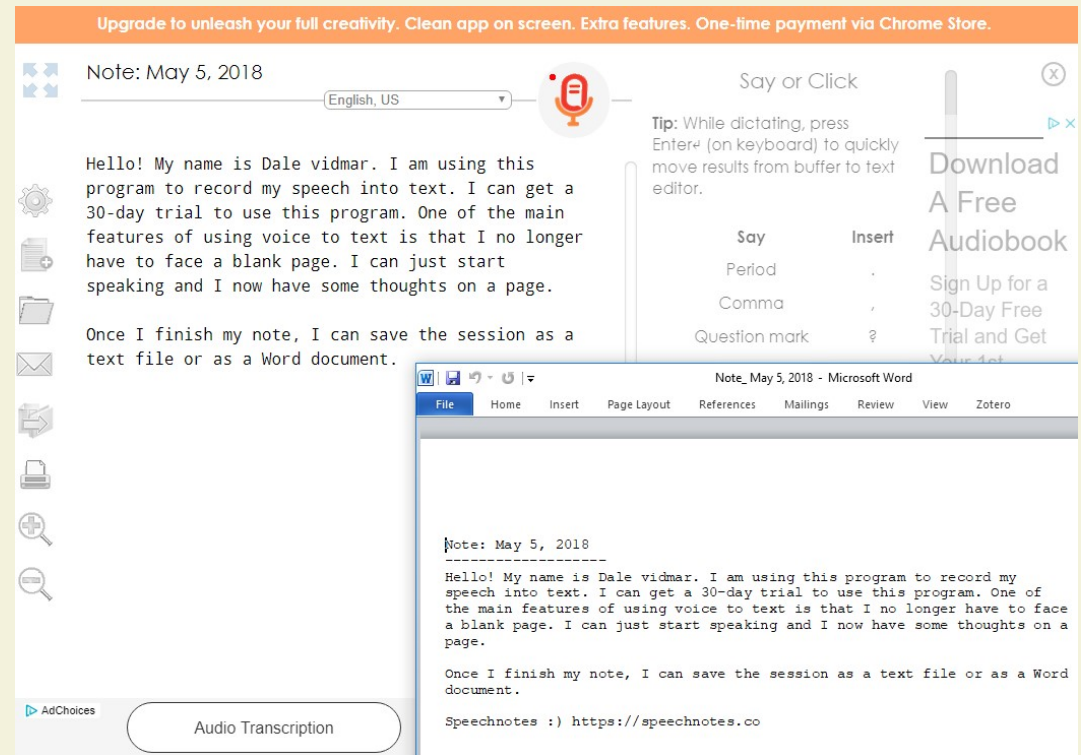
Organization and Collaboration

- Padlet - padlet.com – create a “virtual whiteboard” a “virtual wall” which allows immediate and collaborative responses individually or in groups of any size.
- Evernote - evernote.com - create texts, photos, and audio notes. Free subscription synchronizes notes on two different devices.
- WorkFlowy - workflowy.com – organizational tool to create lists, take notes, and write collaboratively.
- Wunderlust - www.wunderlist.com – create and organize lists, tasks, reminders, or ideas and collaborate with others.



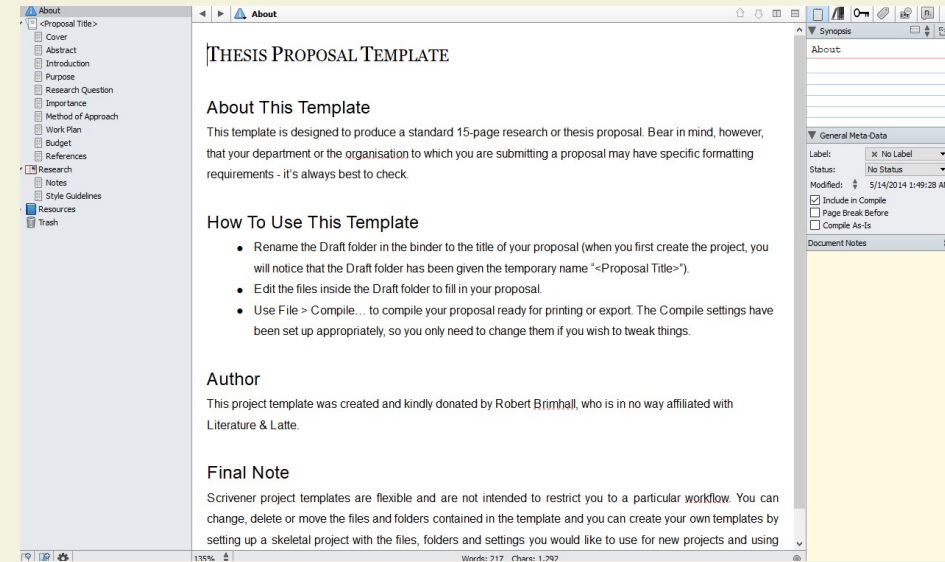
Voice-to-Text

- Speechnotes - <https://speechnotes.co/> - free, easy to use voice-to-text enabled online notepad that works entirely in Google Chrome. Save notes in Word.
- Dragon Naturally Speaking - www.nuance.com/dragon - speech recognition software that formats voice into text.
- TalkTyper – <https://talktyper.com> – basic voice-to-text dictation tool that captures speech and creates plain text that can be copied and pasted elsewhere.
- VoiceNote - <https://voicenote.in/live/> - downloadable voice recognition extension that converts speech to text.



Writing Management

- Scrivener - www.literatureandlatte.com/scrivener/overview – compose and structure long documents. Easily write, structure, and revise.
- Write! - <https://writeapp.co/> – distraction free text editor that automatically cloud saves and has a variety of features such as set daily goals, auto-complete, unlimited undo, spell checker, and productivity counters, and a dark/light mode that focus the light on the current paragraph. Cost is \$24 or \$9.95 for students.



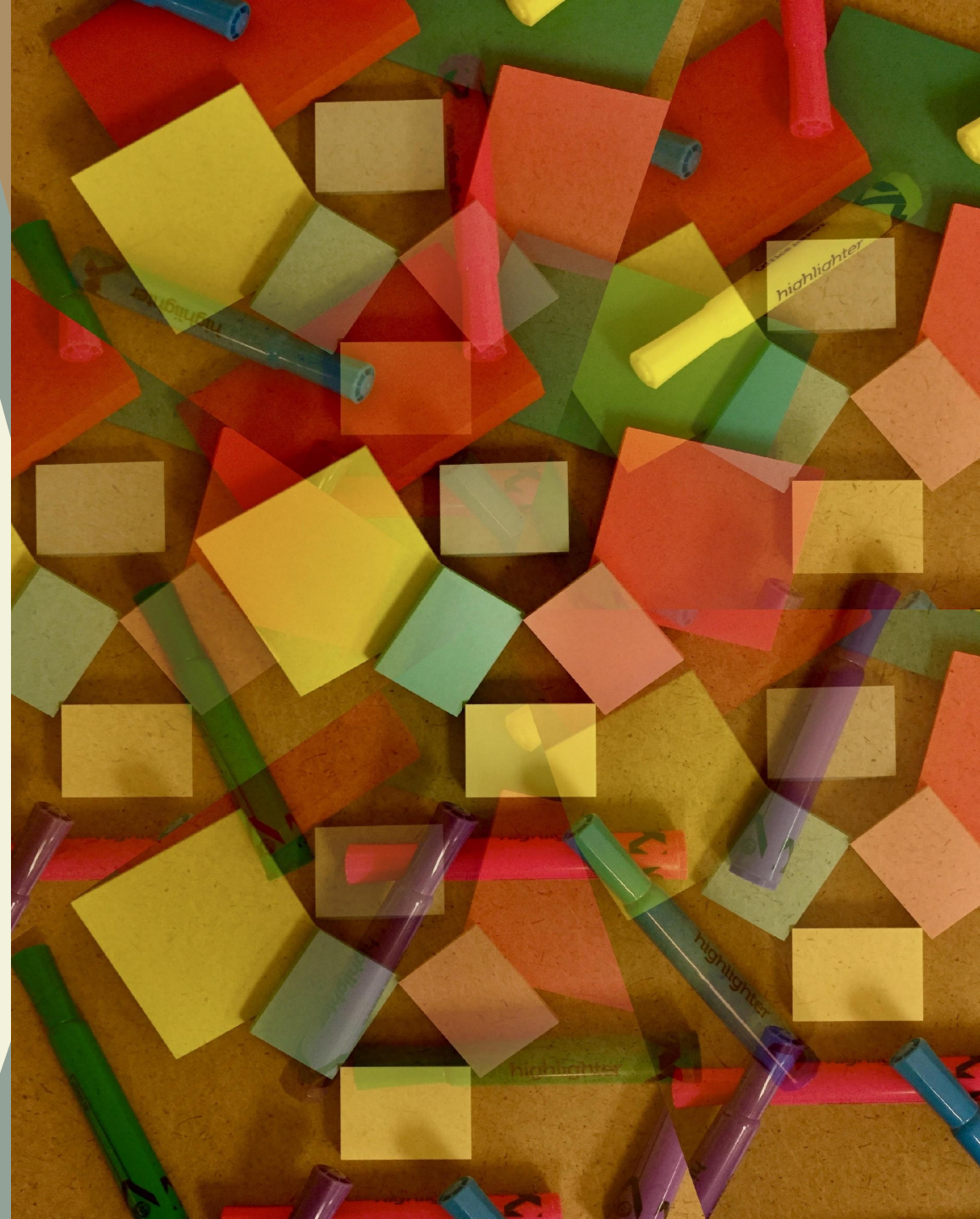
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**What are you doing?
and
What tools are you
using?**

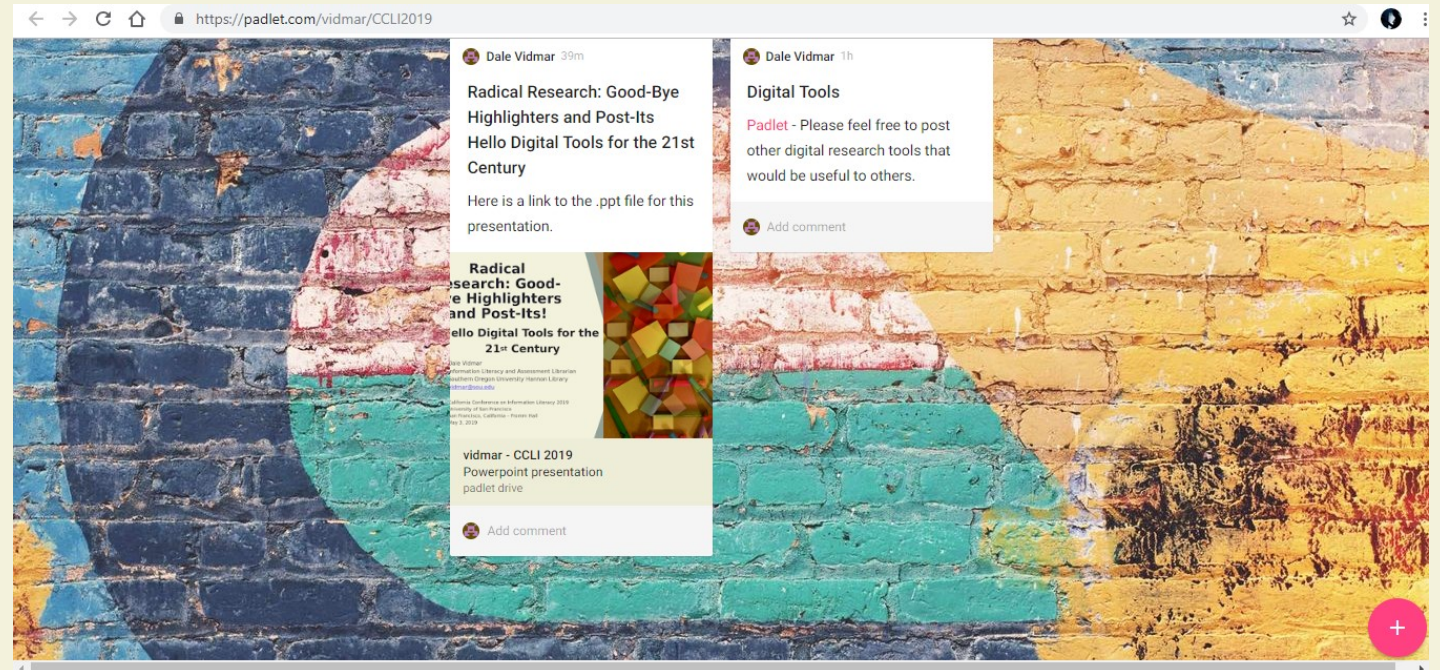


Questions, Thoughts, Comments

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