Communication & Information Sharing

Backchannel	An avenue for synchronous discussion during conference calls, didactics, lectures, or presentations in which participants, face-to-face or virtual, can ask questions, post resources, and provide feedback.[31] Faculty can use the backchannel as a feedback loop to inform content being presented.	Google Hangout Chat: https://hangouts.google.com/ Today's Meet: https://todaysmeet.com/	Notes: Use Bitly: https://bitly.com or TinyURL: http://tinyurl.com to shorten web addresses or URLs when communicating via a chat or backchannel.
File Storage & Repositories	Create a central repository in the cloud to share and access files across multiple devices and edit documents simultaneous.	DropBox: https://www.dropbox.com/home Google Drive/Google Docs: https://www.google.com/drive/ Microsoft 365: https://products.office.com/en-us/business/office-365-file-sharing-online-collaboration-tools	
Scheduling	Online meeting scheduling- stop playing "schedule tag" Find meeting times that work for all attendees Organizer can propose numerous times	Doodle: http://www.doodle.com/ Time Bridge: http://timebridge.com/ Schedule Once: http://www.scheduleonce.com/	
Social Citation Managers	A repository to manage, tag, and annotate scholarly resources.[33] Local and/or web-based applications allow for individual or collaborative sharing of citations.	EndNote: http://www.endnote.com/ Zotero: http://www.zotero.org/ Mendeley: https://www.mendeley.com/	
Discussion & Communities	Tools are available outside of a dedicated learning management system to promote asynchronous discussion and feedback. These technologies incorporate written text, video, audio, and voting features.	IdeaScale: https://ideascale.com/ Google +: https://plus.google.com/	
Social Networking	Share information and problem solve with colleagues, access experts and mentors, and engage in peer-to-peer education.	LinkedIn: https://www.linkedin.com/ Doximity: https://www.doximity.com/	

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Collaborative Inquiry			
Brainstorming & Affinity Diagramming	Virtual "post-its" or chart paper to share, rearrange, and to prioritize ideas synchronously in class or asynchronously as pre-course work.	Google Drive/Google Docs: https://www.google.com/drive/ Memosort: https://memosort.com/ NoteApp: https://noteapp.com/	Notes:
Collaborative Work Spaces	Promotes sharing of resources, accessible on multiple devices, from one central location. Additionally, some workspaces "synch changes from multiple participants" which promotes on-going feedback loops required of competency-based education.[34]	Google Drive/Google Docs: https://www.google.com/drive/	
Concept & Mind Maps	Web-based resources for creation of individual or collaborative graphic representation of content using words and/or images. It "involves integration of knowledge and creation of meaning by relating concepts."[35(p201)]	Cmap: http://cmap.ihmc.us/download/ Comapping: http://comapping.com/ iMindMap: http://www.thinkbuzan.com/us/ LucidChart: https://www.lucidchart.com/ MindMeister: http://www.mindmeister.com/ MindNode Pro (for Mac): http://www.mindnode.com/ Webspiration: http://www.mywebspiration.com/	
Note Taking	Learners and faculty can create shared notebooks to facilitate collaborative note-taking, sharing of resources, and data and task management. These tools have exceptional searching capabilities, are accessible on multiple devices, and integrate multiple modes of content (e.g. text, audio, video, ink).	Google Drive/Google Docs: https://www.google.com/drive/ Evernote: http://www.evernote.com/ OneNote: www.microsoft.com/office/onenote/	

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Virtual Whiteboards	Online whiteboard which include synchronous conferencing (chat or video) while collaboratively annotating content. Technologies can integrate pre-generated content, images, or PDFs as well as facilitate just-in-time teaching and learning.	BaiBoard: http://www.baiboard.com/ Group Board: http://www.groupboard.com/products/ *Many virtual conferencing tools have a virtual whiteboard features	
Virtual Conferencing & Presenting		
Synchronous Conferencing (Bidirectional Audio)	Provide opportunities for synchronous discussion at a distance including opportunities for collaborative medical education scholarship, journal clubs, and dissemination of findings. Also consider options for using these technologies to engage learners at a distance with those in class or facilitate in-class small group presentations using breakout room features.	Google Hangout: https://hangouts.google.com/ Adobe Connect Pro: http://www.adobe.com/products/acrobatconnectpro/elearning/ Cisco WebEx: http://www.webex.com/ Go To Meeting: http://www.gotomeeting.com Join Me: https://www.join.me Skype: http://www.skype.com	Notes:

Adapted from: Hurtubise, L., Hall, E., Sheridan, L., & Han, H. (2015). The flipped classroom in medical education: Engaging students to build competency. *Journal of Medical Education and Curricular Development*, 2, 35-43. and from Dr. Elizabeth Ryan's CGEA Technology in Medical Education Special Interest Group (TIME SIG) technology table.

Links Shared During the Presentation

- Collaborative Exercise Demonstration: https://youtu.be/dDVwkqP9vRw
- Google Hangouts Tutorial: https://youtu.be/2ME3m41lY7g
- Google Hangout Demonstration: https://youtu.be/K9NG4MO6Nuo
- Pre-Session Survey:http://bit.ly/1WA90Z1

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