Remote Teaching Toolkit

McGill School of Biomedical Sciences

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The following is a list of resources to help teachers make the transition to remote teaching.

Items highlighted in yellow *are new links since the distribution of the previous version.*

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Remote Teaching

- [Teaching: How to Give Students a Break From Their Screens — in an Online Course](#) – blog post (B. Supiano, The Chronicle of Higher Education, October 2020)
- [Visual Classrooms: Collaboration and Community While Students Are Physically Apart](#) – blog post (Acherestes, Teaching and Learning @ McGill, October 2020)
- [Engagement: The Secret to Teaching Online This Fall](#) – article (Sebastien, Online Education, Sept. 2020)
- [Managing the Chat in Online Teaching: What We Can Learn From Live Streamers](#) – article (Gonzales & Heck, Online Education, October 2020)
- Three crowd-sourced massive list of resources for teaching remotely

- By Institution: https://docs.google.com/spreadsheets/d/1VT9oiNYPyiEsGHBoDKlwLlWAsWP58sGV7A3oIuEUG3k/htmlview?usp=sharing&sle=true#
- A variety of resources, including using talking about Covid-19 and using Covid-19 as a lesson: https://docs.google.com/document/d/1yBE1cCqJ_4MJZ62K4CefmYsZugqAWkGmZmdwESt0IM/preview
- Specific to life sciences: https://docs.google.com/spreadsheets/d/1YKUzaaKx30HzuxbsyF3I_jMAcAR9F6lsIeSZ9oPE-xQ/edit#gid=0

- Edpuzzle.com – Edpuzzle is a free tool integrated with YouTube that allows instructors to embed analytical questions within the video content. Students can't advance the video w/o answering the question. The videos can be incorporated into Canvas.
- Which tools should I use? - Describes how tools for teaching and assessing remotely, such as myCourses and Zoom, can support student learning at McGill. (TLS, 2020)
- Frequently Asked Questions about myCourses (TLS, 2020)
- 5 Low-Tech, Time-Saving Ways to Teach Online During Covid-19 – article (Darby, The Chronicle of Higher Education, 2020)
- How to Be a Better Online Teacher – article (Darby, The Chronicle of Higher Education, 2020)
- Science Sketches - Create your own video describing some cool science. This step-by-step guide walks you through the process.
- Many exams in the upcoming examination session will require you to be: here are some
- Suggestions on how to construct your script with exam answers as a document for upload: https://www.mcgill.ca/science/covid-19/undergrads/submitting-your-exam-script

Zoom specific resources

- Zoom specific – Instructions from Zoom.us site :
  - How to share your screen
  - How do us the polling feature during class
  - How to use breakout rooms
    - Managing breakout rooms
    - Pre-assigning participants to breakout rooms
  - How to share a whiteboard
  - How to Keep Uninvited Guests Out of Your Zoom Event – About preventing "zoom-bombing" (Zoom Blog, 2020)
  - How to record a lesson to your computer using Zoom
- Zoom for Remote Teaching (TLS, 2020)
- Example of how to use zoom for one hour of live teaching: https://it.umn.edu/services-technologies/how-tos/zoom-teach-online-class-sessions#agenda
- Demonstration of how students can record a presentation on Zoom - This is a quick guide on how to use the free version of zoom to record a presentation with picture in picture of both your slides and your webcam (The Technology Learning and Cognition lab, housed at McGill University's Faculty of Education, Mar. 18, 2020

Moving Your Course Online

- A Yale site for general assistance of faculty seeking rapid transition to online learning.
- [Principles and Examples for Shifting Your Teaching and Assessments to a Remote Teaching Environment](#) – (TLS, June 2020)
- [Teaching & Learning Remotely](#) – a brief Guide (TLS, April 2020)
- [Five tips for moving teaching online as COVID-19 takes hold](#) - expert advice on how to embrace the digital classroom. (Nature, March 2020)
- [Remote Teaching Checklist](#) – checklist to assist instructors in continuing to teach (TLS, April 2020)
- POD (the society for Centers for Teaching and Learning) has practices and resources for moving courses online: [Moving STEM courses online](#) (March 2020)
- [Teaching Effectively During Times of Disruption](#) - For Stanford Program in Writing and Rhetoric & Stanford Introductory Studies (Cohn & Seltzer, March 2020)
- [The Chronicle for Higher Education – Moving Online Now (Special Edition)](#) *Includes the following articles: The Decision to Move Classes Online as Coronavirus Spreads, How to Be a Better Online Teacher, Lessons From Moving a Face-to-Face Course Online & How to Use Technology to Give Your Students Better Feedback*
- [Digital security expert shares tips on how to protect your data while working remotely](#) (CBC article, April 2020)
- [Keep Calm and Go Online](#) (Anne Fensie, 2020)
- [Pivoting to Online Teaching: Research and Practitioner Perspectives](#) – This course explores research-informed effective practices for online teaching and learning in postsecondary institutions, providing faculty and staff with guidance on how to pivot existing courses online while enhancing student success and engagement (EdX course (MOOC))
- [Teaching Online](#) – short video clips for getting a course started online

Assessment

- National Institute on Scientific Teaching Webinar - [Designing Effective Assessments That Go Beyond the Grade](#) (by Benjamin Wiggins, Sep 18, 2020)
- [Principles and Examples for Shifting Your Teaching and Assessments to a Remote Teaching Environment](#) (TLS, 2020)
- [Online Assessment in Higher Education](#) – list of resource for instructors to help plan, design, and implement student assessments in fully online courses (Weleschuk, Dyjur & Kelly, Taylor Institute for Teaching and Learning, University of Calgary, 2019)
- [Authentic Assessment Strategies for Online Learning](#) – (Sumney, 2020)

Labs & Activities

- A Harvard-led collection of online labs, instructional units, and simulators. Content crosses all STEM disciplines: https://www.labxchange.org/

- [Labster](#)
- [How to Quickly (and Safely) Move a Lab Course Online](#) – Article (Taft, The Chronicle of Higher Education, 2020)
- [Run (online) lab activities](#) - Considerations as you plan to address lab activities (Indiana University, 2020)
- [Journal of Visualized Experiments](#) (McGill subscribes) – 500 videos demonstrating experiments, mapped to key concepts and student protocols
- [MERLOT](#) - a repository housing 90+ virtual labs
- [Dartmouth Remote Lab Activities and Experiences](#) – links to resources and ideas that your lab teaching team can use if new virtual lab experiences are needed
- [Simulations and Virtual Labs](#) – Open Educational Resources (Arthur Lakes Library)
- [40 American Society for Microbiology teaching-related resources](#), including 34 peer-reviewed Journal of Microbiology and Biology Education articles related to online activities, online tools, or activities you could do with remote teaching.

Library

- Coronavirus (COVID-19): VPN temporarily unavailable as an access method for McGill Library E-Resources during the campus closure. (Updated: Sat, 03/14/2020 - 14:00)
- Off-campus access to e-resources : EZproxy
    - Shibboleth login dialogue - EZproxy is a quick, easy, and convenient method to gain off-campus access to McGill Library subscription databases and other online resources. If you are off campus and try to access an electronic resource through the Library web site, WorldCat Discovery, or through the "McGill Library Full Text" links in Google Scholar, you will be asked to log in before you can access the resource.
    - EZproxy requires no prior computer or browser set-up. All you need to do is to log in using your McGill username and password when prompted.
- [Contact a librarian for help](#) – Chat, email, text or call

Academic Affairs

Academic Affairs coordinated an online series called, 'Faculty Helping Faculty'. The following are the take home messages from each meeting:

- Take home summary #1 – [Keeping Students Engaged Remotely](#)
- Take home summary #2 – [Psychological First Aid](#)
- Take home summary #3 – [Research Without Data](#)
- Take home summary #4 – [A Public Health Perspective on 'Ramping Up' at McGill](#)
- Take home summary #5 – [Finding a sustainable pace for the 'new normal](#)
- Take home summary #6 – [Creating new routines in ever-changing time](#)
- Take home summary #7 – [Engaging learners and teachers in remote learning](#)
- Take home summary #8 – [The joy of engaging with students and colleagues on #socialmedia](#)

For more information please refer to: https://www.mcgill.ca/medicine-academic/about/special-notices-covid-19-updates

Training/Events

- TLS Webinars – Participate in TLS' upcoming webinars to get practical pedagogical strategies for engaging students in your courses, even at a distance.
- Faculty Development Office – Programs and activities

Academic Twitter

- #AcademicTwitter has been full of recommendations and resources for transitioning to online teaching this week. Here are a few:
- @curenet1
- #covidclassroom
- #covidcampus
- #remotelearning
- #remoteteaching

General Information

- Tips for Fostering Students' Self-Regulated Learning in Asynchronous Online Learning Environments – Article (Ebner, Online Education, Sept. 2020)
- Five Essential Strategies to Embrace Culturally Responsive Teaching – Article (Singhal & Gulati, Online Education, Aug. 2020)
- 10 Tips for Effective Online Discussions – Blog post (Edwige Simon, Transforming Higher Ed, Nov. 2018)
- Remote delivery experiences and advice: Lessons learned from Winter 2020 – Blog post (Nicole C George, TLS, July 2020)
- Covid-19 inspires renewed empathy for our students – Blog post (Carolyn Samuel, Teaching for Learning @ McGill University, June 2020)
- Collecting student insights on remote learning: Preparing for a smooth transition to Fall 2020 – Blog post (kenzaghib1, Teaching for Learning @ McGill University, June 2020)
- What We're Learning About Online Learning - As virtual classrooms and online learning proliferate, researchers are working to quantify what works and what doesn't. – Article (Benedict Carey, New York Times, June 2020).
- 2 Principles Guiding My Reluctant Online Conversion – Blog post (ChronicleVitae, May 2020)
- Videoconferencing Alternatives: How Low-Bandwidth Teaching Will Save Us All – Blog post (iddBlog, May 2020)

- [Move to Online Learning: 12 Key Ideas](#) – Blog post (Dave Cormier - Learning Specialist, Digital Learning Strategy and Special Projects, University of Windsor, Office of Open Learning – May 2020)
- [If You Feel Like You're Regressing, You're Not Alone](#) – Article (Merete Wedell-Wedellsbourg, Harvard Business Review, May, 2020)
- [Getting started with trauma-informed teaching](#) – Blog Post (Alex Shevrin Venet, Community College of Vermont, April 2016)
- [Four Core Priorities for Trauma-Informed Distance Learning](#) – Article (Kara Newhouse, KQED, April 2020)
- [Tips for getting into the habit of working from home](#) – Blog post (TLS, March 2020)