

Hil'm Mel!

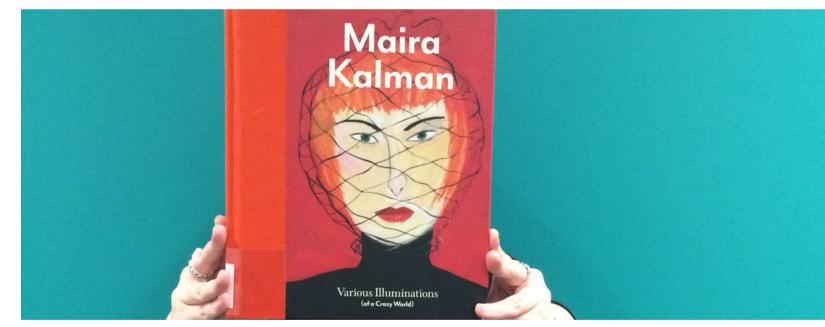


Librarian for Education, Art Education, Psychology, and Creative Arts Therapies.

melissa.rivosecchi@concordia.ca

I can help with:

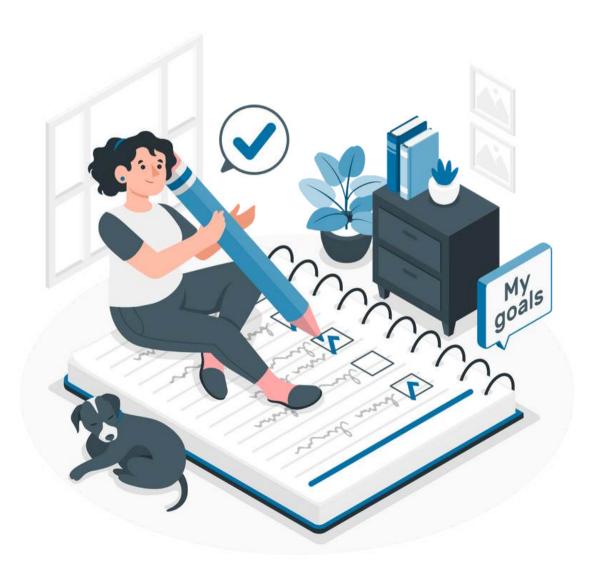
- Accessing library resources
- Developing search strategies
- Finding resources
- APA/Citation management guidance







Objectives



TECHNOLOGY SANDBOX

- Visit the space
- Explore technology available
- Explore Tinkercad platform & teaching resources

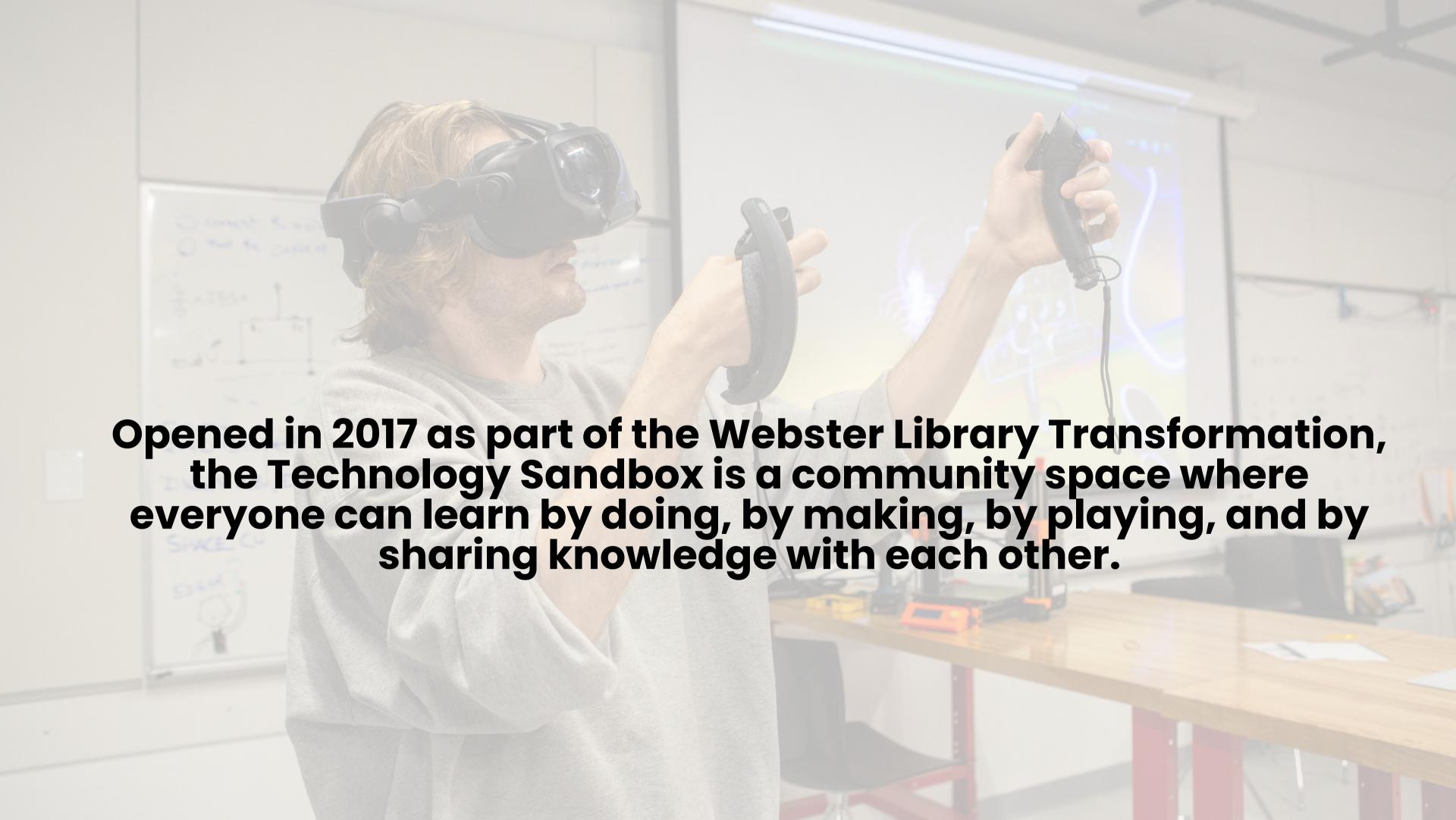
DATABASES

- Create a search strategy; identify key concepts
- Select Education specific and interdisciplinary databases
- Search and find scholarly/peer-reviewed articles

SOFIA DISCOVERY TOOL

- Find books, articles, and other items
- Locate request button to request items through Concordia Library, Quebec university Libraries, and Interlibrary Loans
- Locate the "Request via ILL" button and "Chapter scan".





WORKSHOPS

Visit our <u>library events page</u> to check out our Technology Sandbox workshops!

Intro to Linux

VR Bootcamp

Arduino 101

Sticker Party:
Digital Die Cutting

Zine making

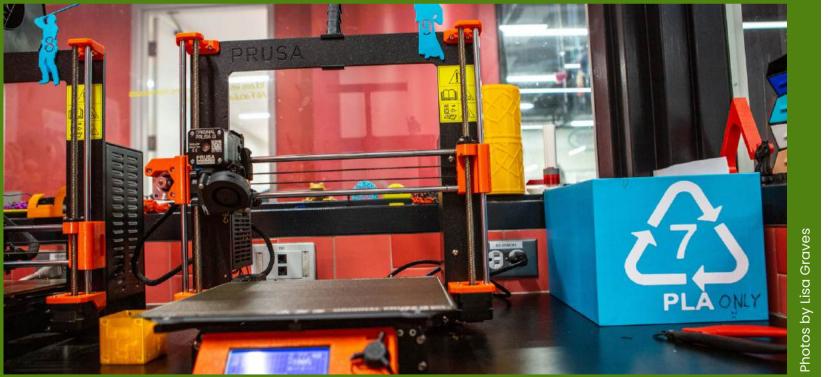
3D Modeling 102: OpenSCAD Design for 3D Printing

Notebook Making Basics



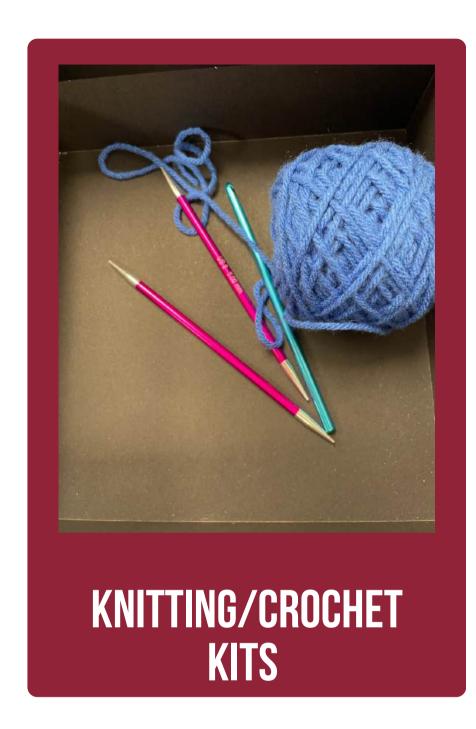
Guide to 3D printing





PRUSA 3D PRINTERS

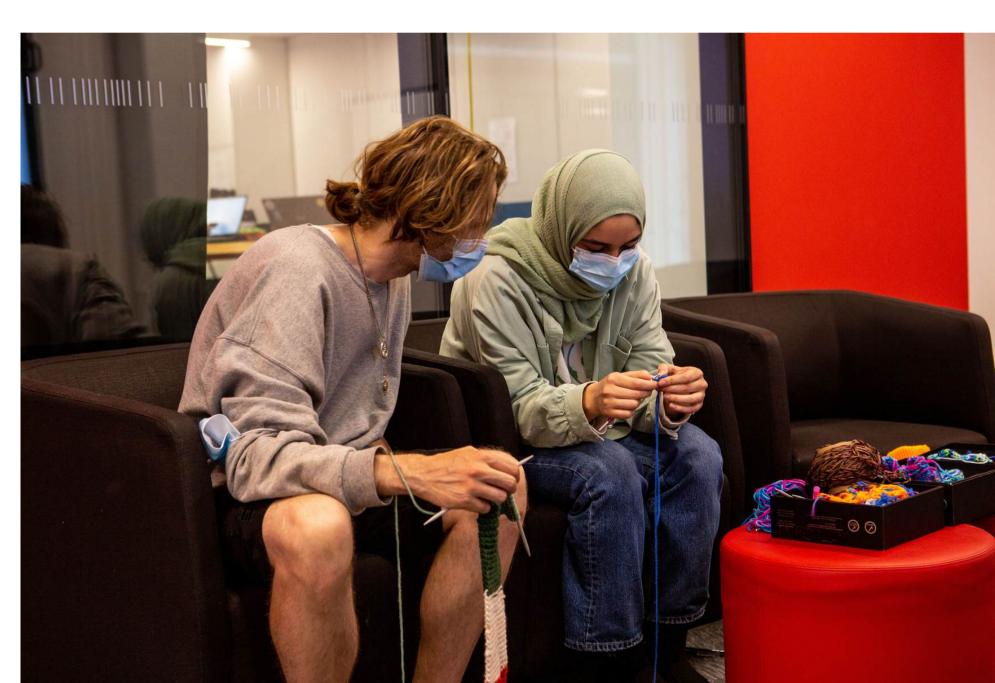
ARS



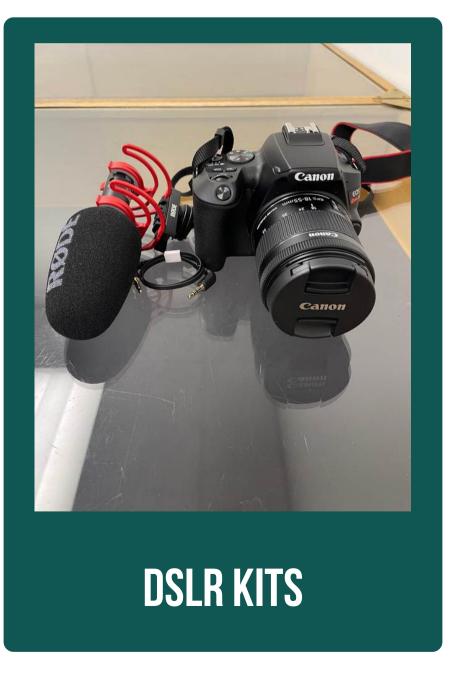


TECHNOLOGY CLUB

- F.A.T. Club meets every Tuesday 3:00-5:45 pm
- Come learn to knit or crochet!
- Open to everyone

















MIDI CONTROLLERS (25 AND 49 KEYS)





- Vuze 3D 360 camera (lendable)
- Audio equipment (lendable)
 - o midi controllers (25, 49 keys)
 - o audio recorder & lavalier mic,
 - o ambisonic audio recorder
 - podcasting/interview recording kits (presonus audiobox iTwo & Shure SM58-LC microphone)
- Microscope
- Mini projectors (lendable)
- Camera equipment (lendable)
 - DSLR kits and accessories
 - Lens kits (50 mm, 10-18 mm lenses)
 - Camcorders



EQUIPMENT

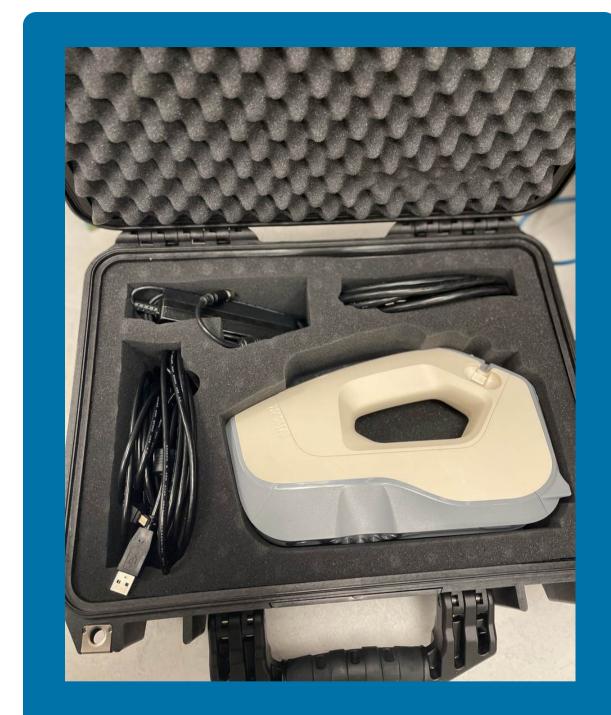
- Small oscilloscope (lendable)
- Precision screwdriver kits (lendable)
- Digital calipers (lendable)





39 scanning and modelling EQUIPMENT

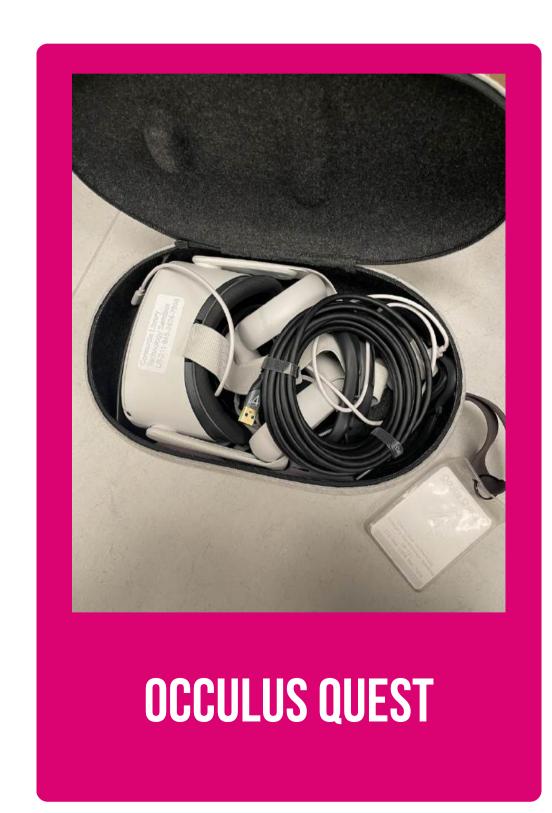
- Arctec Eva 3D scanner
- iPads and Apple pencils (lendable)



ARCTEC EVA 3D SCANNER

EQUIPMENT

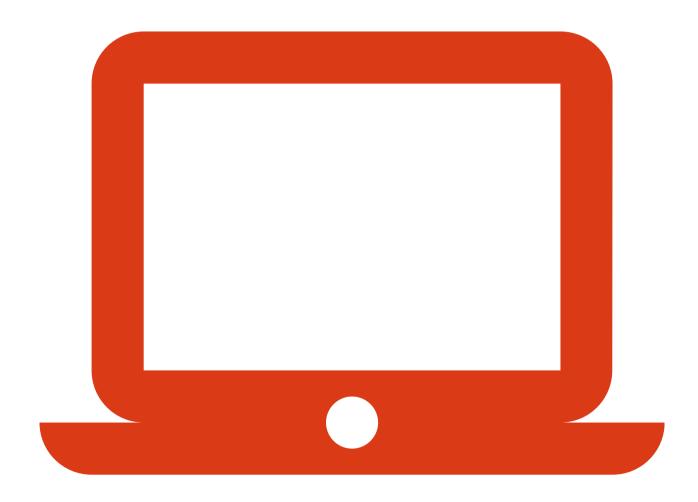
- Vive trackers
- Valve index Steam
- HoloLens 2 (Augmented reality)
- Occulus Quest (x4 lendable)
- HTC Vive Pro Kit (lendable)





Computing Power EQUIPMENT

- Alienware m15 gaming laptops
- Alienware Aurora R13
- eGPUs and graphics cards



TECHNOLOGY SANDBOX VISIT (10-15 MINUTES)



TINKERCAD

- 3D design, circuits, codeblocks
- Explore these Tinkercad sites:
 - https://www.tinkercad.com/classrooms-resources
 - https://www.tinkercad.com/lessonplans
 - https://www.tinkercad.com/learn

*Library laptops: connect to wifi with your netname password. It may take a few tries to connect. If it does not work, right click on the 'ConcordiaUniversity' network and select "forget". Retry connecting.

DISCUSSION

 What is one new thing you learned today by visiting the Technology Sandbox and/or exploring Tinkercad?

DISCUSSION

- What is one new thing you learned today by visiting the Technology Sandbox and/or exploring Tinkercad?
- Has this visit given you new ideas as to how to incorporate technology in the elementary classroom?

WORKSHOPS

Visit our <u>library events page</u> to check out our general workshops and Technology Sandbox workshops!

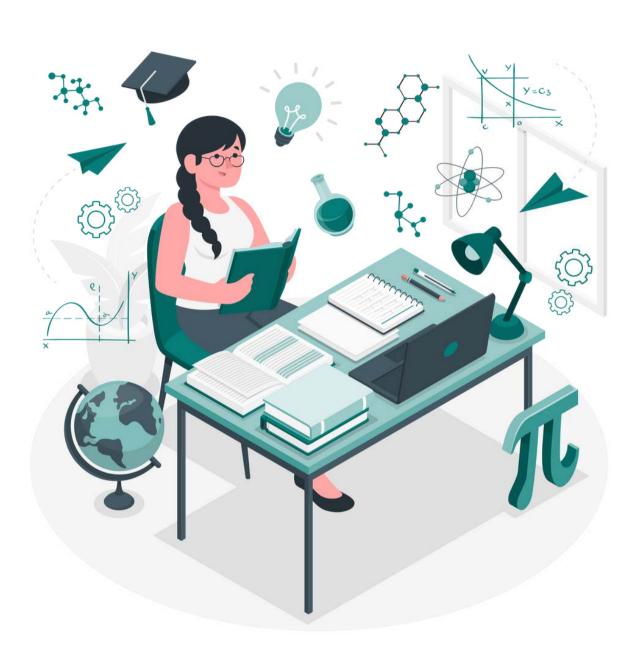
Thinking Critically about Al Tools

Arduino 101

Sticker Party: Digital Die Cutting

Zine making

Researching Indigenous topics Design for 3D Printing



WRITING ASSISTANCE

Every Tuesday 11-2 LB-2 (near Ask Us desk) Webster Library

MAPPING IT OUT

Individually, take two minutes right now to draw a diagram or picture of your process for completing the research assignment in this course.

How will you start?
Where will you stop?
What are your steps?

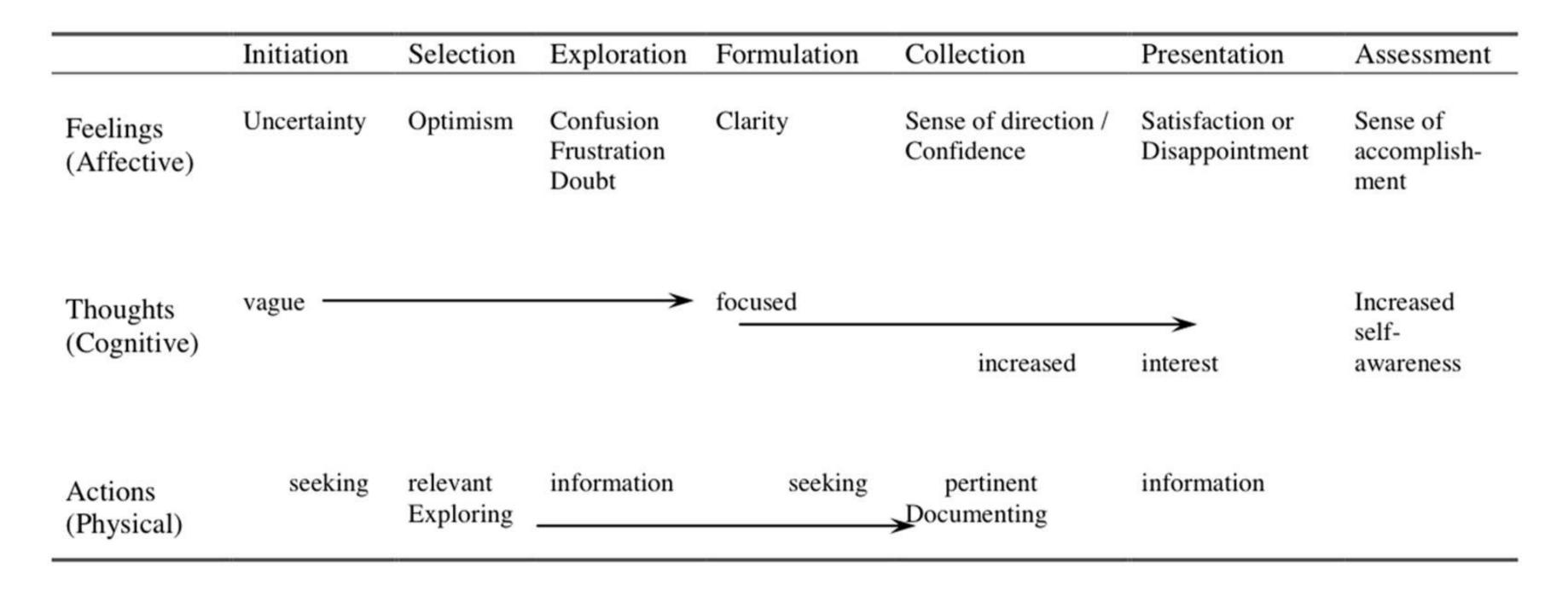


The reality is....

Your process might feel messy or chaotic.

Don't worry: clarity will emerge!

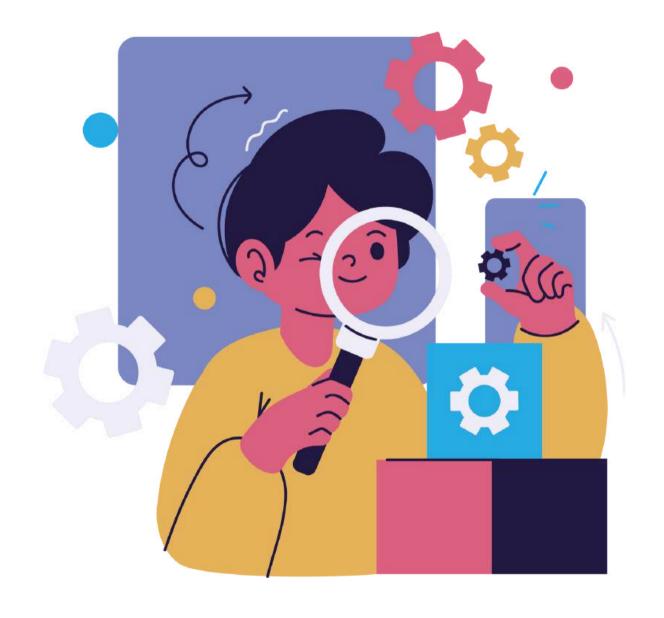
Model of the Information Search Process (Kuhlthau, 2004)



Adapted from "Information search process" by C. C. Kuhlthau, 2010, http://wp.comminfo.rutgers.edu/ckuhlthau2/wp-content/uploads/sites/185/2016/01/ELIS-3E.pdf

THE RESEARCH PROCESS

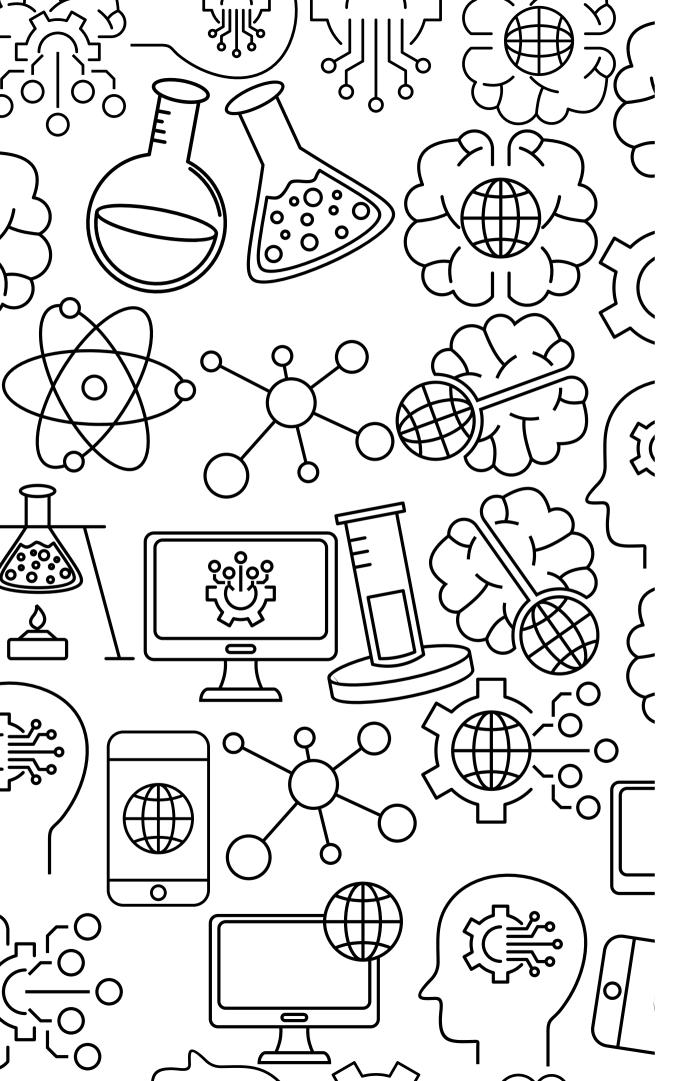




Developing a research question and search strategy

Developing a research question



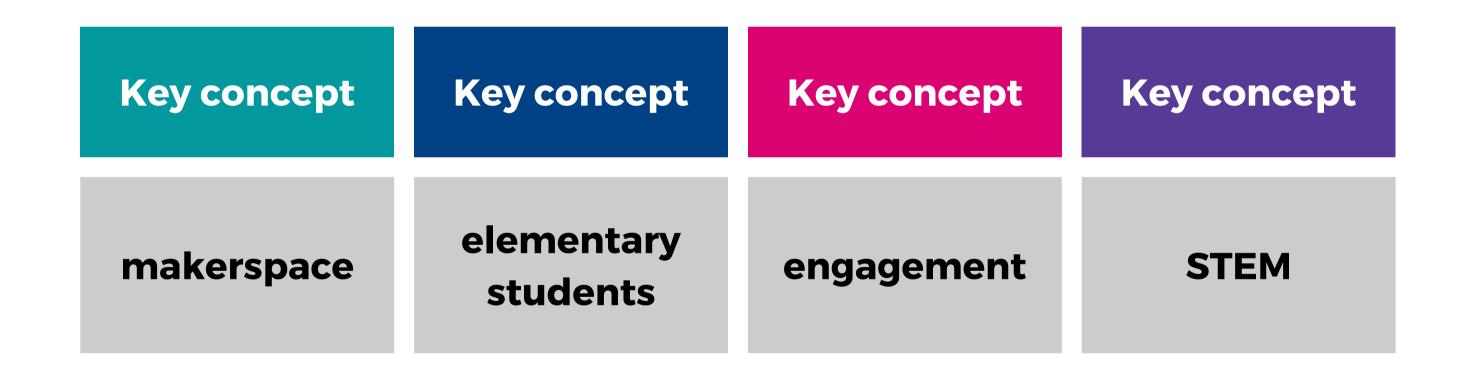


RESEARCH QUESTION

Does the availability of diverse makerspace technologies impact elementary students' engagement in STEM-related activities?

KEY CONCEPTS

Does the availability of diverse makerspace technologies impact elementary students' engagement in STEM-related activities?



Key concept	Key concept	Key concept
elementary students	engagement	STEM
	elementary	elementary

Key concept	Key concept	Key concept	Key concept
makerspace	elementary students	engagement	STEM
Makerspace technology			
Makerspace tools			
Makerspace materials			

Key concept	Key concept	Key concept	Key concept
makerspace	elementary students	engagement	STEM
Makerspace technology	Primary students		
Makerspace tools	K-6 students		
Makerspace materials	Elementary education/ Elementary classrooms		

Key concept	Key concept	Key concept	Key concept
makerspace	elementary students	engagement	STEM
Makerspace technology	Primary students	Motivation	
Makerspace tools	K-6 students	Involvement	
Makerspace materials	Elementary education/ Elementary classrooms	Participation	

SYNONYMS OR RELATED CONCEPTS

Key concept	Key concept	Key concept	Key concept
makerspace	elementary students	engagement	STEM
Makerspace technology	Primary students	Motivation	Science
Makerspace tools	K-6 students	Involvement	Technology
Makerspace materials	Elementary education/ Elementary classrooms	Participation	Computer Science

ANDS & ORS

Key concept Key concept Key concept Key concept AND AND AND elementary makerspace **STEM** engagement students OR OR OR OR Makerspace Primary Motivation Science technology students OR OR OR OR Makerspace Involvement K-6 students Technology tools OR OR OR OR Elementary education/ Makerspace Computer **Participation** materials Science Elementary classrooms

ANDS & ORS

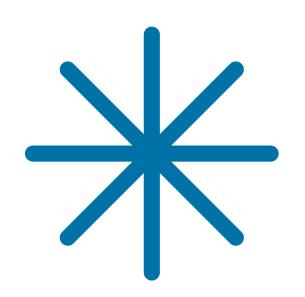
Key concept Key concept Key concept Key concept AND AND AND elementary makerspace **STEM** engagement students OR OR OR OR Makerspace Primary Motivation Science technology students OR OR OR OR Makerspace Involvement K-6 students **Technology** tools OR OR OR OR Elementary education/ Makerspace Computer **Participation** materials Science Elementary classrooms

AND

Combines concepts



"OR" give you "MORE"!



Asterisk

When placed near the end of a word finds variants. Can also be used for spelling variants.

Example: learn* = learning, learner, learners, learned



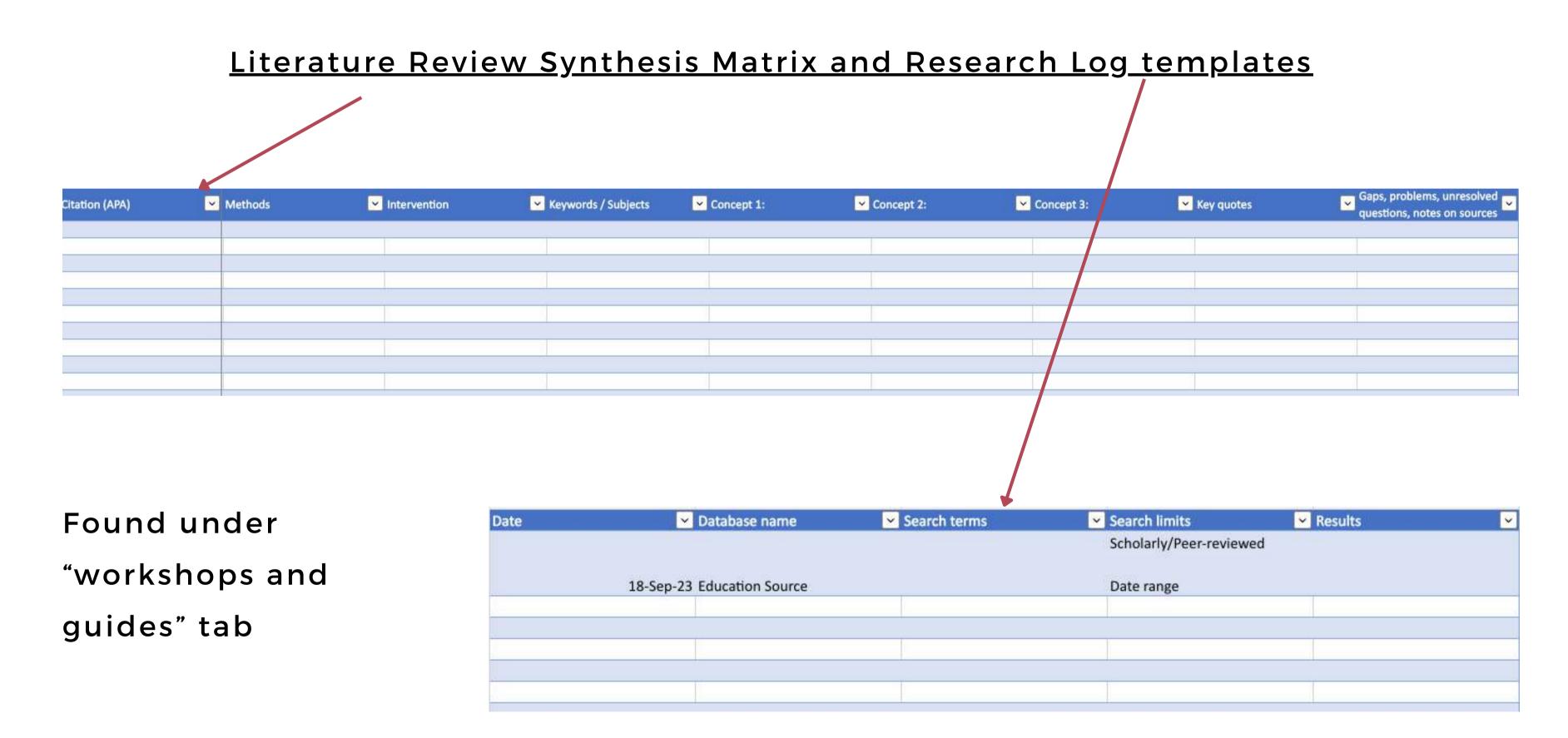


Quotation marks

Using quotation marks ensures that results retrieved contain only the exact phrase.

Example: "language policy", "educational standard*", "elementary student*"

HOW DO I KEEP TRACK OF ALL THIS INFORMATION?





Inclusive Voices

Apply practices for counteracting the effects of bias and exclusion of voices



Algorithmic Effects

Explain how algorithms shape search results and why this matters



Visually Mis(Representing) Data

Making data legible using graphs and diagrams has great potential. This unit helps you differentiate clarifying graphs from manipulating ones.



Different Types of Data

Data surrounds us in many ways, but how do we talk about and use it?



Misinformation and Disinformation

Recognize some of the complexities in how misinformation and disinformation can be propagated in academic information and popular media



Information Source Types

What kinds of information is out there? This is a brief overview of how to recognize and use each kind.



Al Deepfakes

Define deepfakes and some of the ways in which they are created



Tips for Searching

Learn strategies for different types of search tools



Choosing Your Search Tool

Identify types of search tools: web search engines, chatbots, Al search assistants, and databases

CRITICAL TOOLKIT FOR NAVIGATING INFORMATION

Are you an undergraduate student participating in the FutureBound program?

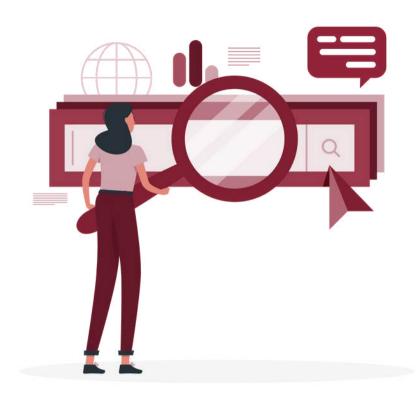
After reviewing the content and completing the activity for one of the units, you can complete a reflection form to have it count as one activity towards your Digital Capabilities & Mindsets certificate!





Subject guides

- Education subject guide
- <u>Applied linguistics/TESL subject guide</u>



Electronic Resources

DATABASES BY SUBJECT

Browse databases by subject or search for a specific database

E-JOURNALS

Search by journal publication title

(E.g., <u>Computers & Education</u>)





ERIC

Covers over 1,100 current journals, most of which are peer reviewed; also includes conference papers, research reports, and other grey literature (ERIC Documents).

EDUCATION SOURCE

Includes thousands of scholarly and professional journals covering all areas of Education.

SEARCH DEMO

Makerspace OR "makerspace technolog*" OR "makerspace tool*" OR "makerspace material*"

AND

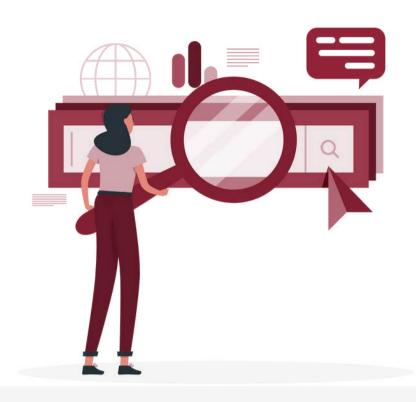
"elementary student*" OR "primary student*" OR "K-6 student*" OR "elementary education"

AND

engagement OR motivation OR involvement OR participation

AND

STEM OR science OR technology OR "computer science"



Other resources

PROQUEST COMBINED CANADA

Search for Education related stories in fulltext Canadian daily newspapers newspapers, news sites, and journal articles

<u>REPÈRE</u>

French language periodicals; useful for coverage of the Quebec education system.

<u>ÉRUDIT</u>

Scholarly coverage of education issues relative to Canada and Quebec

EUREKA

Provides full text access to English and French language Canadian newspapers, magazines, newswires, blogs and broadcast transcripts. A valuable source for regional and local Canadian news coverage.

CANADIAN PUBLIC POLICY COLLECTION

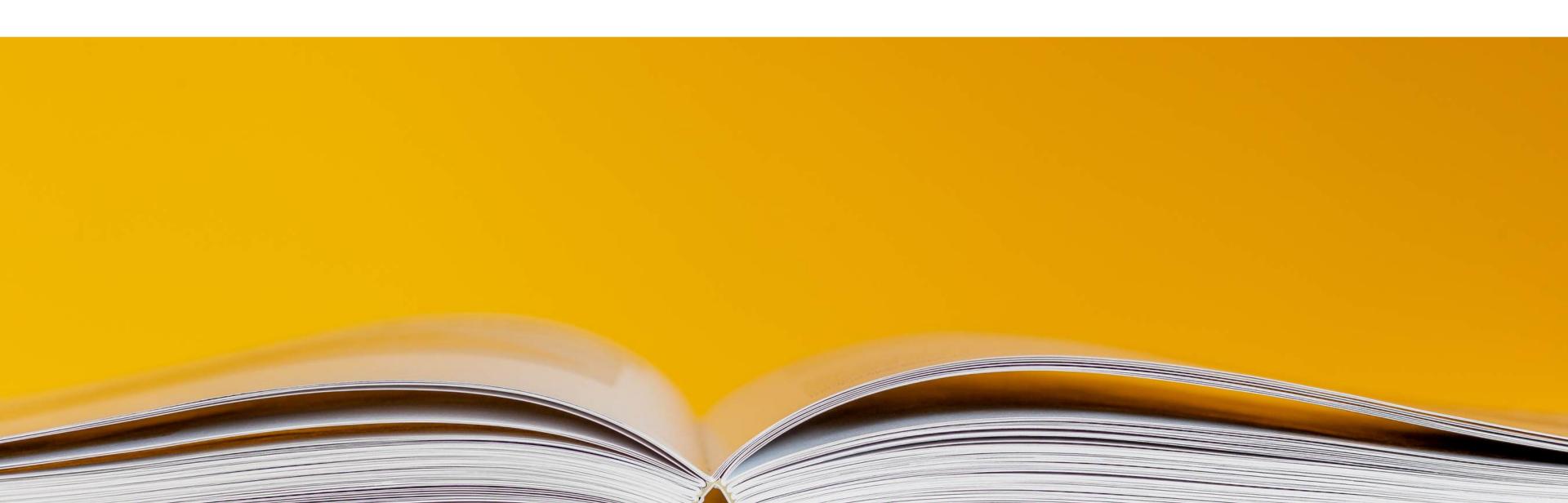
A large collection (over 43,000 documents) of electronic monographs and reports from Canadian public policy institutes, government agencies, advocacy groups, university research centres, thinktanks, and other public interest groups.

APA Citation Guides

APA GUIDE (CONCORDIA LIBRARY)

APA OWL PURDUE

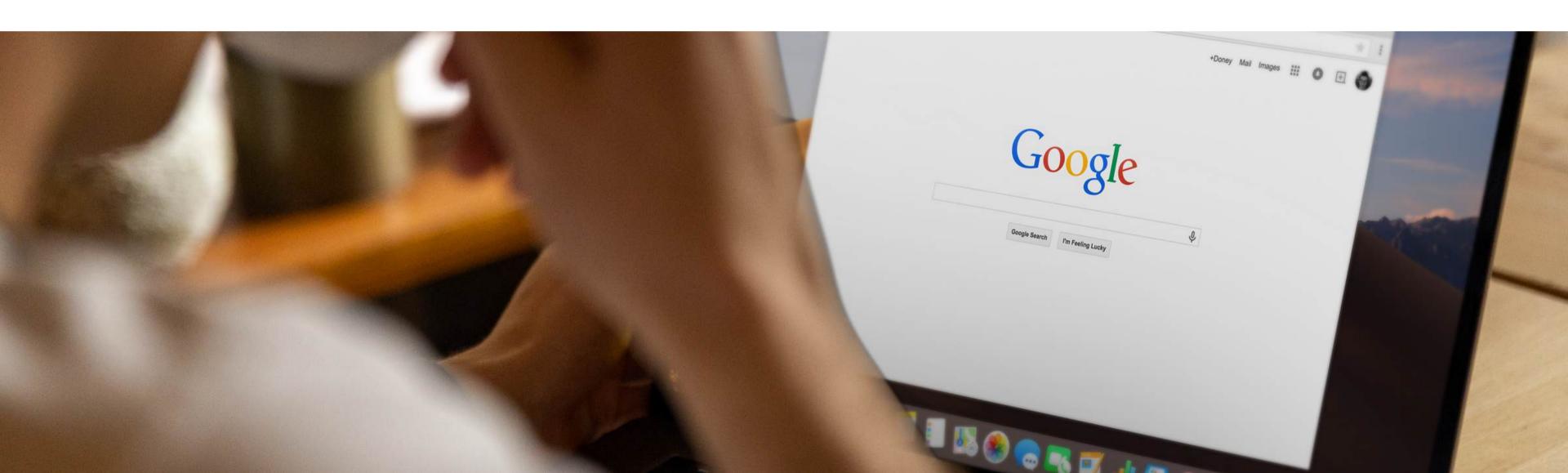
THE OFFICIAL GUIDE TO APA STYLE



Google Scholar

Visit our guide to <u>Set up Google Scholar to find library resources.</u>

Google vs. Google Scholar vs. Library databases (Newcastle University)







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Contact me for research help and/or to set up an appointment (via Zoom or in person)

or visit the Ask Us desk!