



# **EDUC 6002**

## **RESEARCH SKILLS & RESOURCES**



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**Teaching & Research Librarian, Social Sciences**

**January 21, 2025**





# Hi I'm Mel!

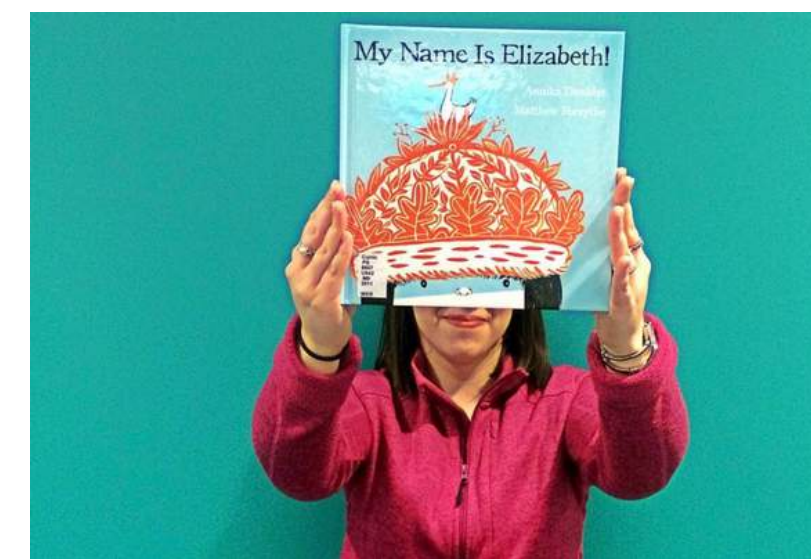
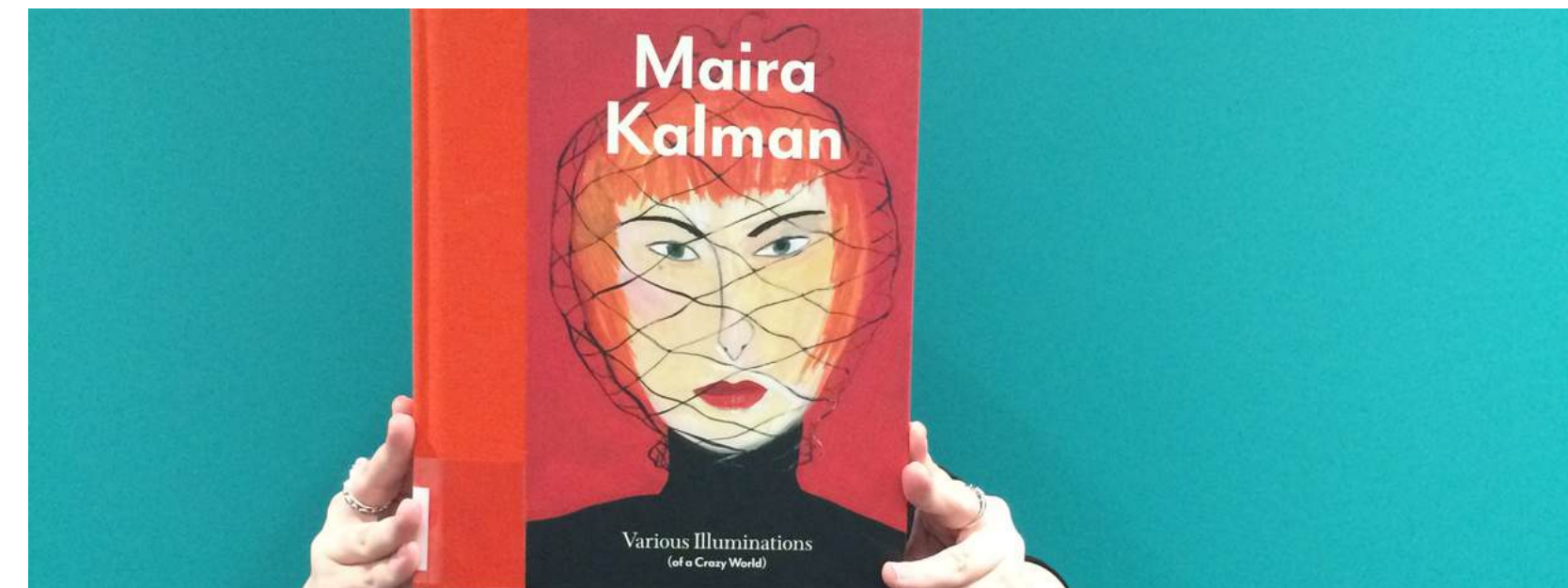


Librarian for Education, Art Education,  
Creative Arts Therapies and Psychology.

[melissa.rivosecchi@concordia.ca](mailto:melissa.rivosecchi@concordia.ca)

I can help with:

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



# IN TODAY'S SESSION, YOU WILL...

**UNDERSTAND THE RESEARCH PROCESS**

**DEVELOP A RESEARCH QUESTION**

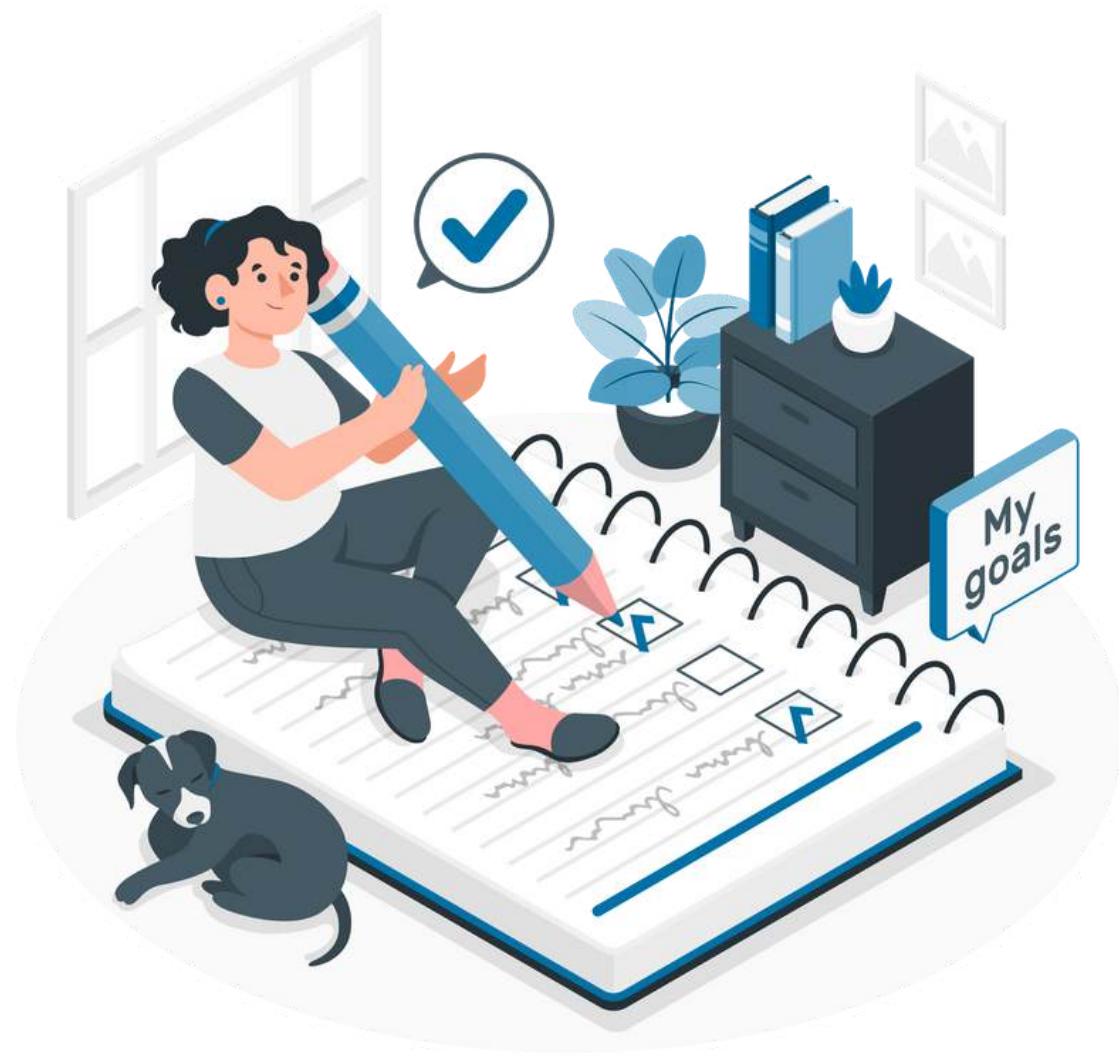
**IDENTIFY KEY CONCEPTS**

**DEVELOP A SEARCH STRATEGY**

**APPLY SEARCH STRATEGY IN A DATABASE**

**FIND APA CITATION GUIDES**

**MANAGE CITATIONS WITH ZOTERO**





# ACADEMIC SUPPORT

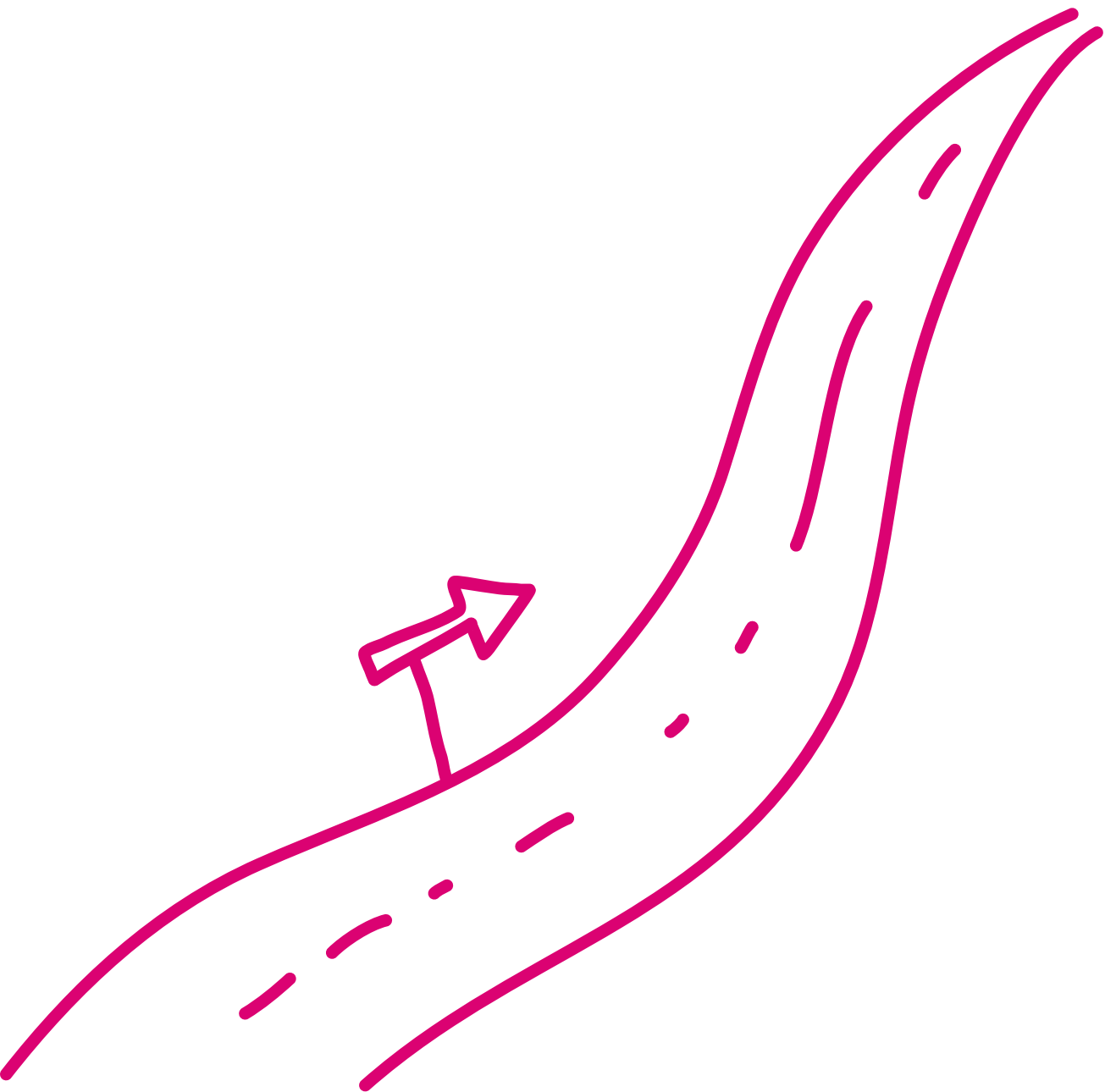
We are just one of many places on campus that want to help you on your path to academic success.



# 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?



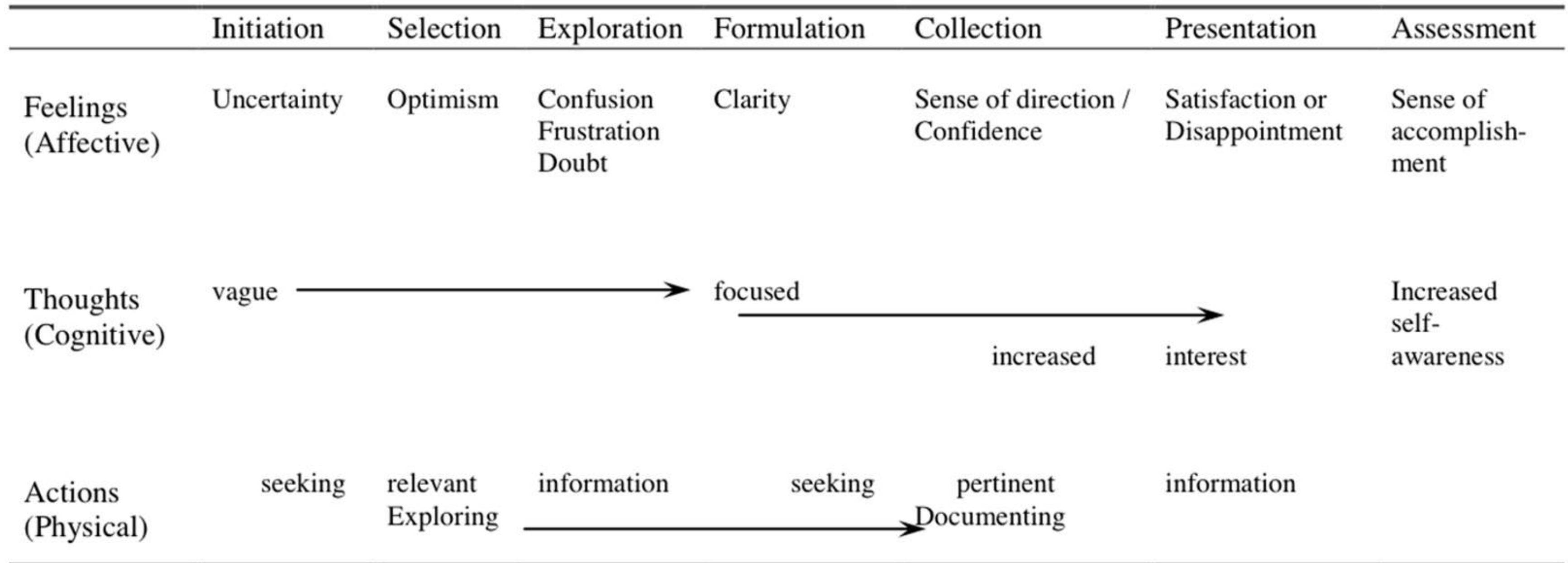


**The reality is...**

**Your process might feel  
messy or chaotic.**

**Don't worry: clarity will  
emerge!**

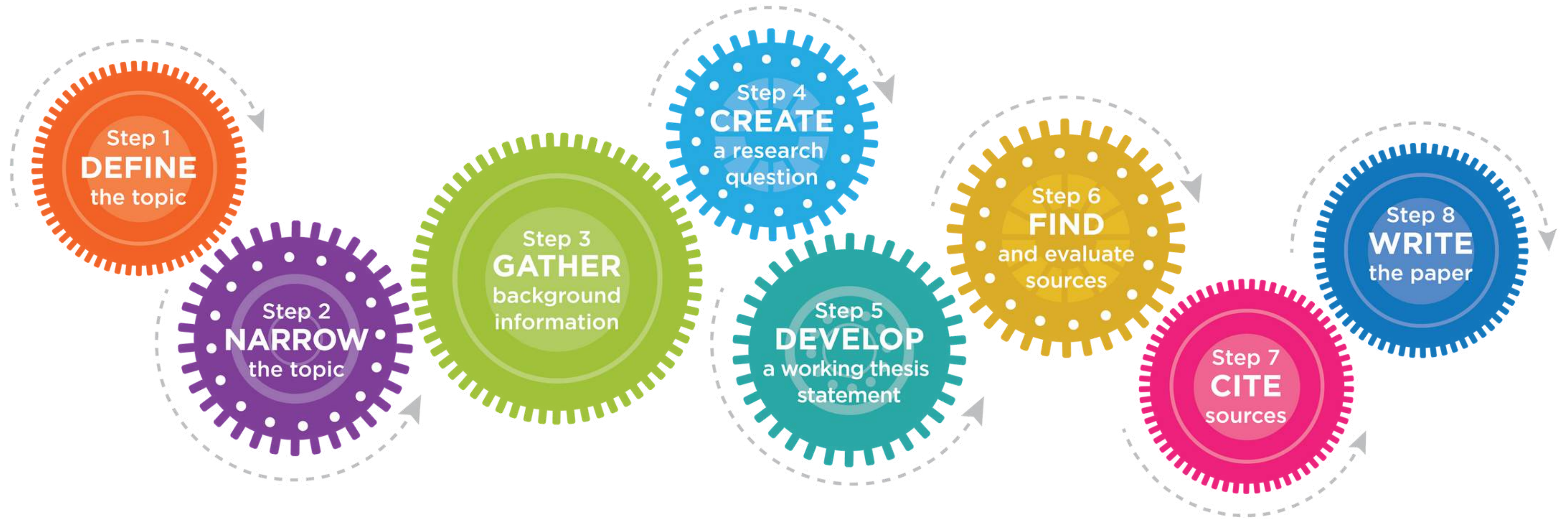
# Model of the Information Search Process (Kuhlthau, 2004)



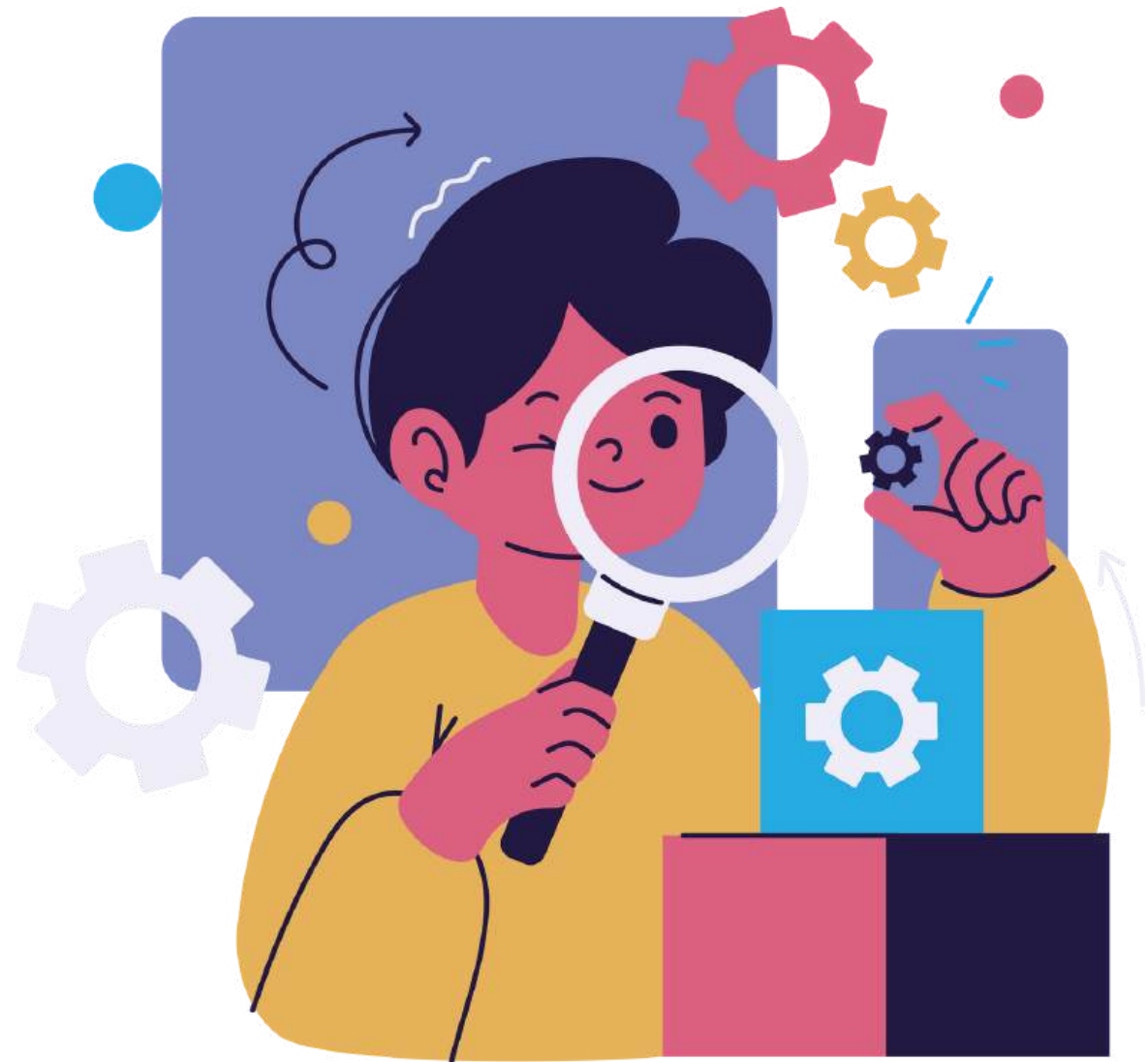
Adapted from "Information search process" by C. C. Kuhlthau, 2010,  
<http://wp.comminfo.rutgers.edu/ckuhlthau2/wp-content/uploads/sites/185/2016/01/ELIS-3E.pdf>



# THE RESEARCH PROCESS







# Developing a research question and search strategy

# Developing a research question

WHO

- Who are being affected?
- Who are we interested in?

WHAT

- What are we interested in?
- What is happening?

WHEN

- Time frame?
- Certain moment in time?

WHERE

- Where did it happen?
- Geographic scope?



# QUESTION FRAMEWORK

A framework can help you structure your research question and identify the focus of your review, for example:

- **PICO:** Population, Intervention, Comparison, Outcome
- **PEO:** Patient/Population/Problem, Exposure, Outcomes
- **SPIDER:** Sample, Phenomenon of interest, Design, Evaluation, Research type

# SYSTEMATIC REVIEWS GUIDE

This guide is designed to provide you with the information and tools you need to plan and carry out a systematic review or other knowledge synthesis project.



## Getting started

Review types and definitions, planning your project, methodology resources



## Searching

Databases, advanced search techniques, testing searches, filters/HEDGES, grey literature, search logs and reporting



## Managing & reporting

Exporting and managing: software, quality assessment and meta-analysis, writing your Methods section & PRISMA



# **EXPLAINING YOUR RESEARCH IDEAS**

1. Form groups of two people.
2. Person A will have 2 minutes to explain their research topic or idea.
3. On a piece of paper (or Word/Google doc), Person B will jot down 5 main words they hear.
4. After 2 minutes, switch roles.
5. Trade papers (or docs)!

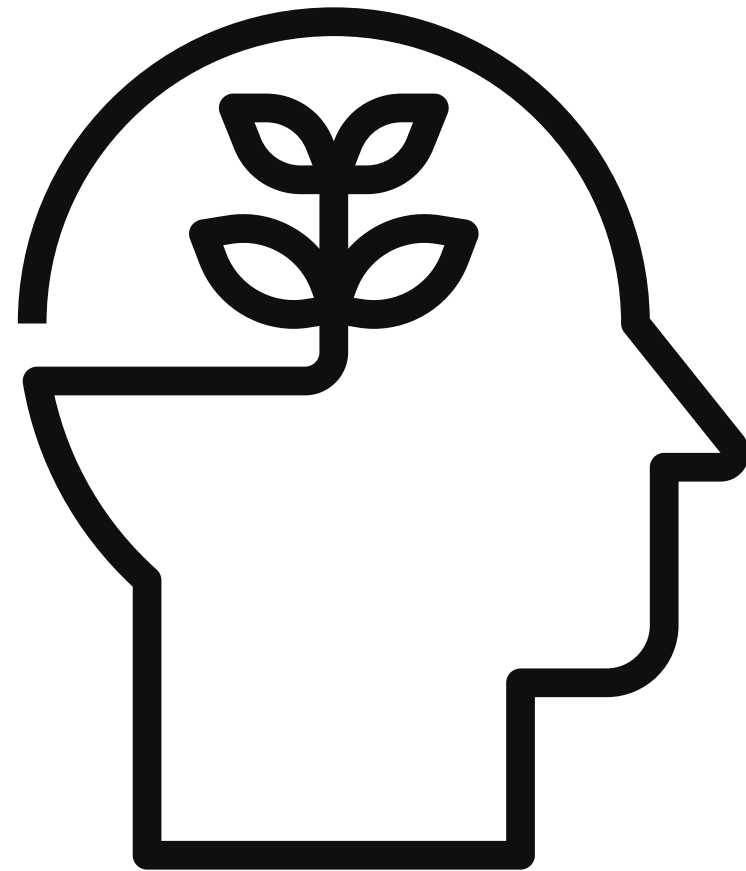
**How did that go?**

**Was your classmate able to  
understand the main ideas of your  
topic? Was there anything missing?**



# RESEARCH QUESTION

How effective is experiential learning in promoting skill development and problem-solving abilities in adult learners ?



# KEY CONCEPTS

How effective is **experiential learning** in promoting **skill development** and **problem-solving** abilities in **adult learners**?

Key concept	Key concept	Key concept
experiential learning	skill development, problem solving	adult learners



# SYNONYMS OR RELATED CONCEPTS

<b>Key concept</b>	<b>Key concept</b>	<b>Key concept</b>
<b>experiential learning</b>	<b>skill development, problem solving</b>	<b>adult learners</b>

# SYNONYMS OR RELATED CONCEPTS

Key concept	Key concept	Key concept
<b>experiential learning</b>	<b>skill development, problem solving</b>	<b>adult learners</b>
Experiential education		
problem-based learning		
Hands-on learning		

# SYNONYMS OR RELATED CONCEPTS

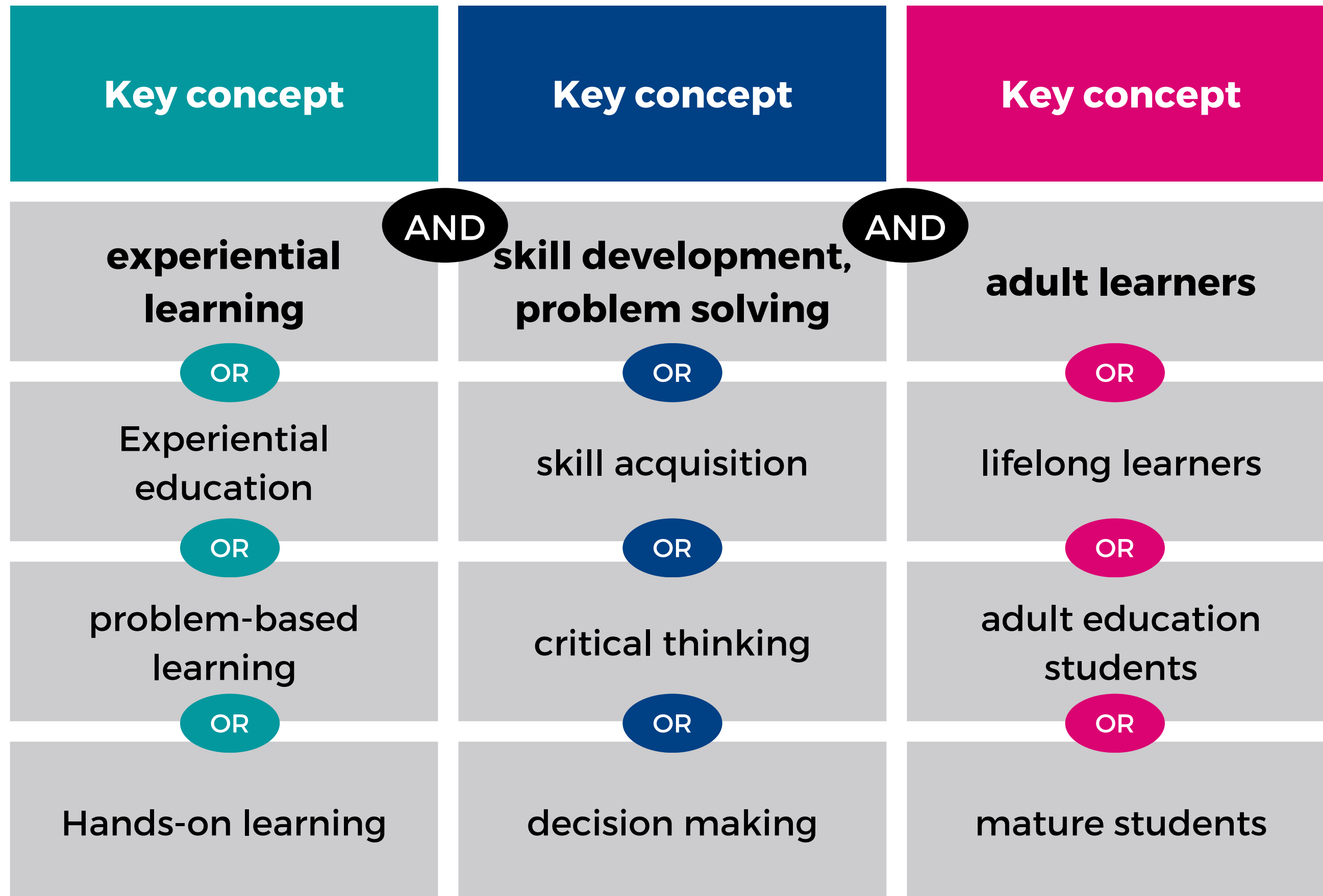
Key concept	Key concept	Key concept
<b>experiential learning</b>	<b>skill development, problem solving</b>	<b>adult learners</b>
Experiential education	skill acquisition	
problem-based learning	critical thinking	
Hands-on learning	decision making	



# SYNONYMS OR RELATED CONCEPTS

Key concept	Key concept	Key concept
<b>experiential learning</b>	<b>skill development, problem solving</b>	<b>adult learners</b>
Experiential education	skill acquisition	lifelong learners
problem-based learning	critical thinking	adult education students
Hands-on learning	decision making	mature students

# ANDs & ORs



# ANDs & ORs

**Key concept**

**Key concept**

**Key concept**

**experiential  
learning**

**AND**

**skill development,  
problem solving**

**AND**

**adult learners**

**OR**

Experiential  
education

**OR**

skill acquisition

**OR**

lifelong learners

**OR**

problem-based  
learning

**OR**

critical thinking

**OR**

adult education  
students

**OR**

Hands-on learning

**OR**

decision making

**OR**

mature students

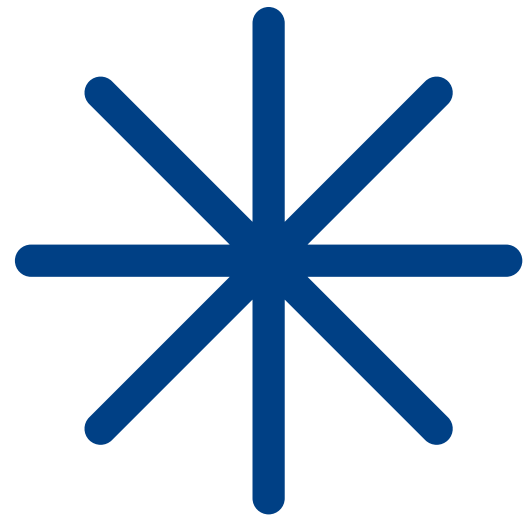
**AND**

Combines concepts

**OR**

"OR" give you  
"MORE"!





# Asterisk

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

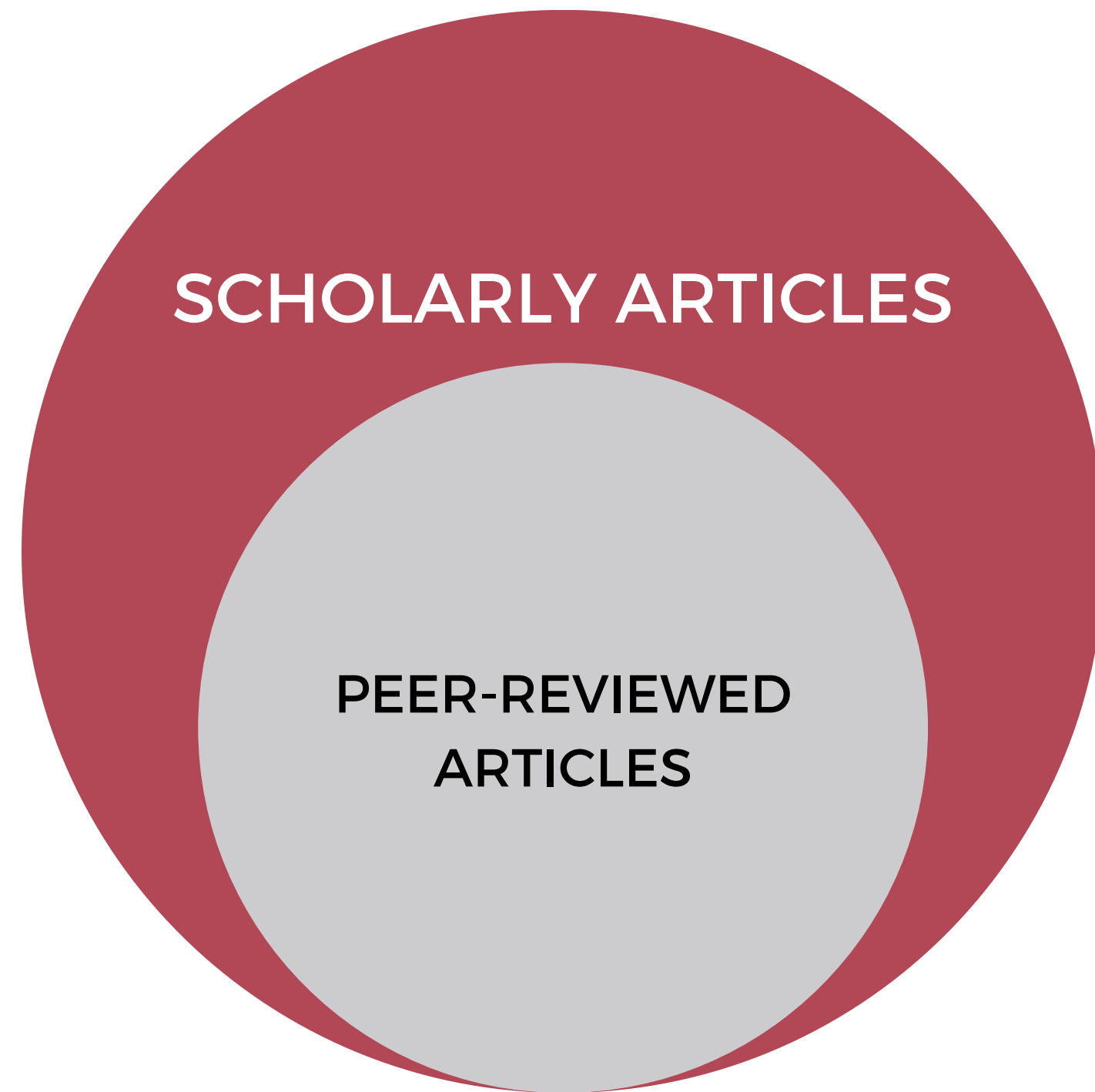
Example: learn\* = learning, learner, learners, learned



# Quotation marks

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

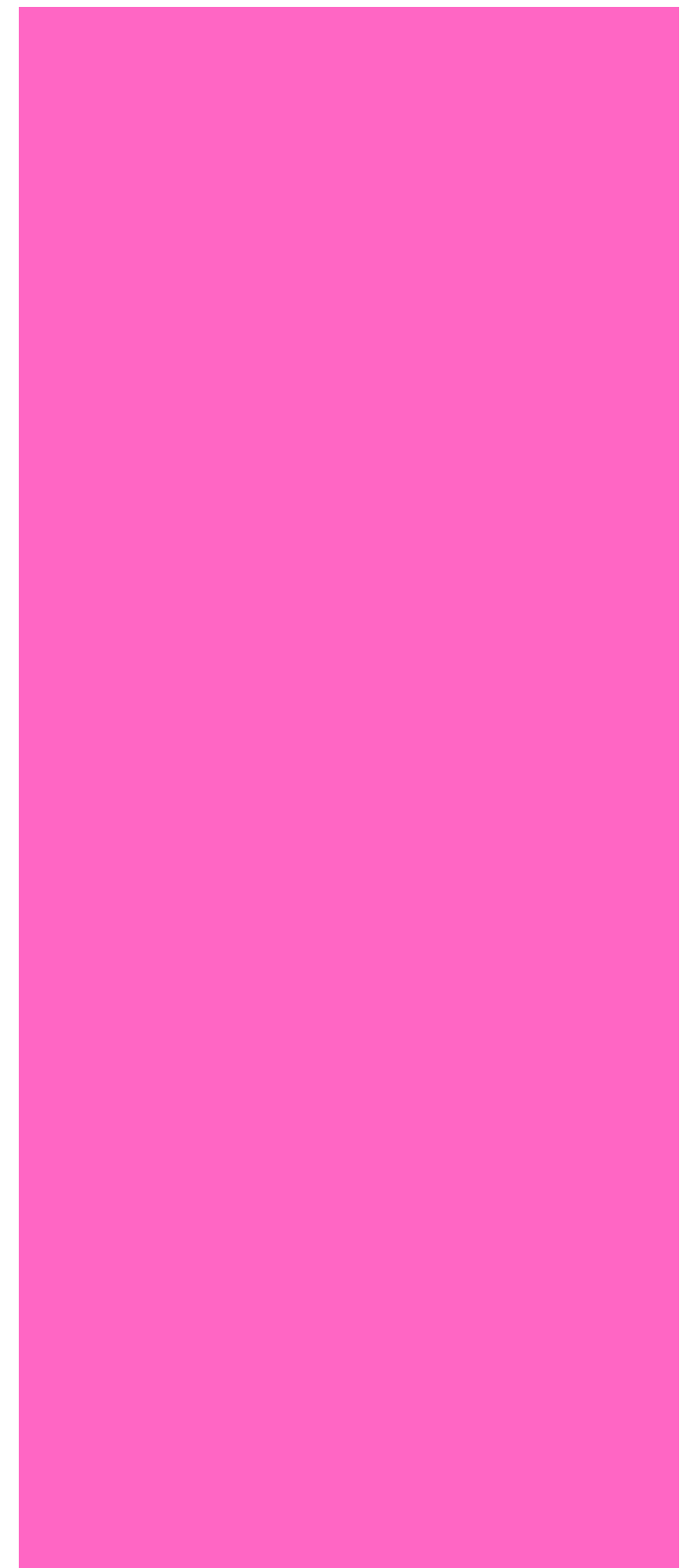
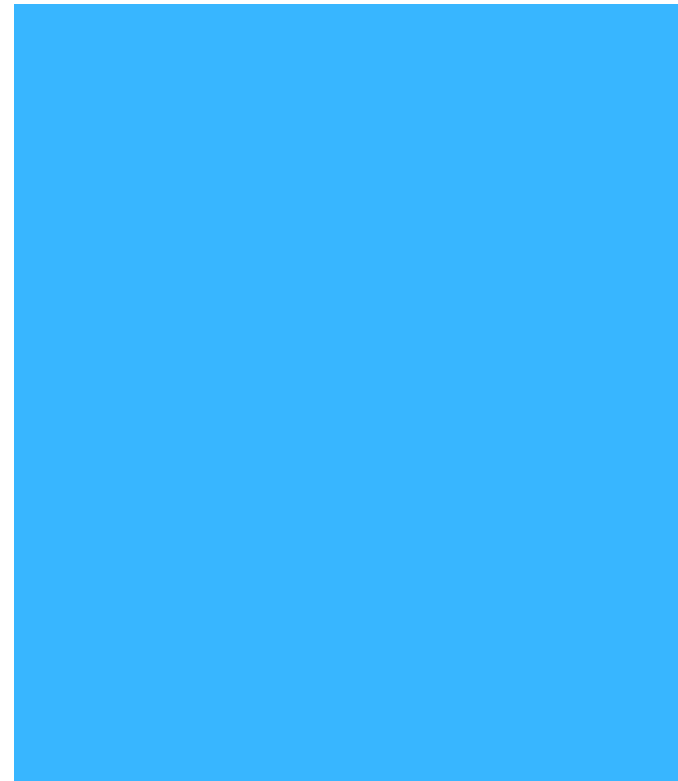
Example: "college students", "mental health"



# Scholarly vs. Peer-reviewed articles

- Scholarly articles refer to academic articles
- Peer-review (aka "Refereed") articles are a subset of scholarly articles

# Scholarly Articles

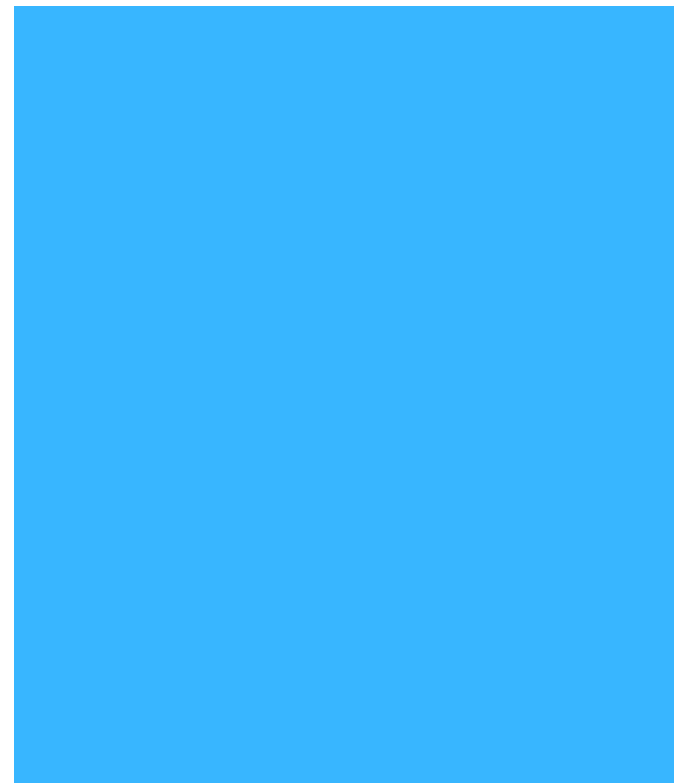




# Scholarly Articles

ARTICLE TITLE

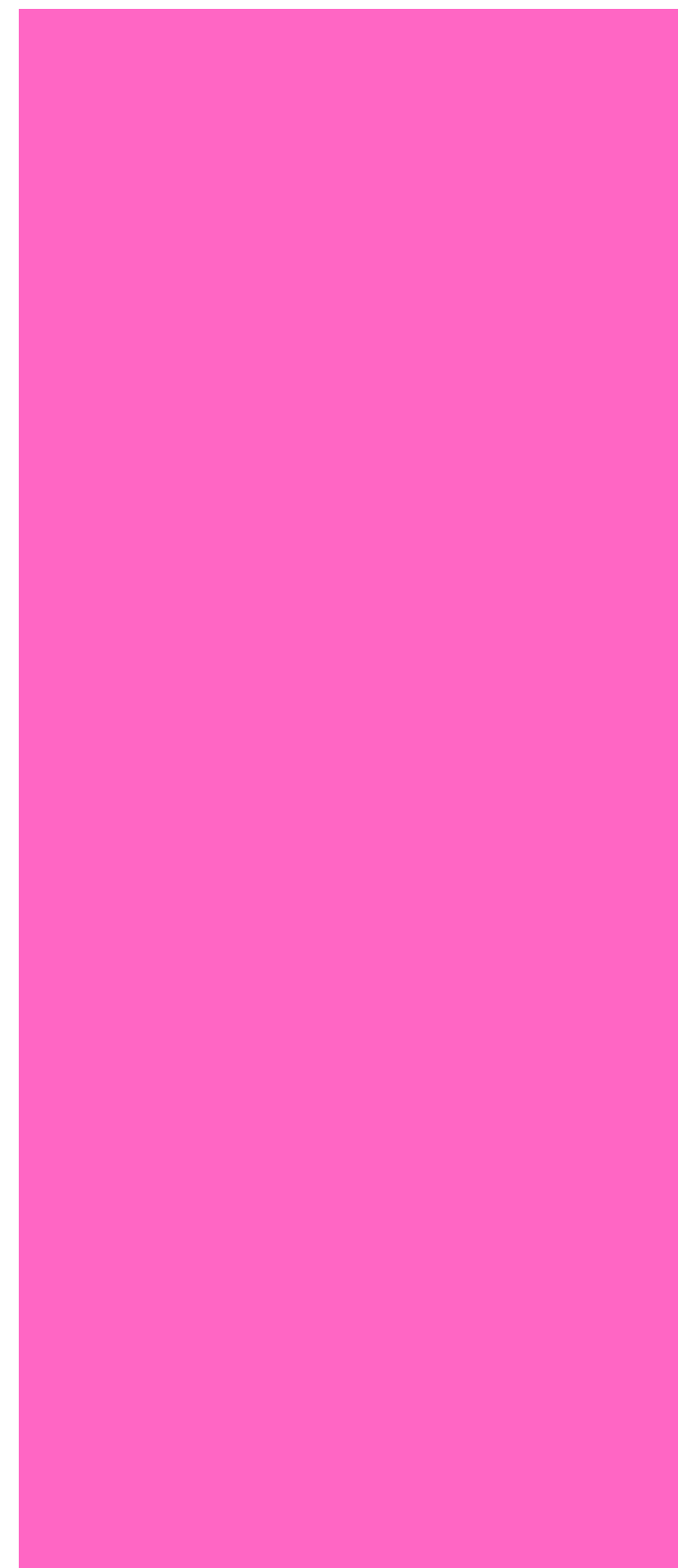
AUTHOR(S)



journal/publication info



journal/publication info



# Scholarly Articles

ARTICLE TITLE

AUTHOR(S)

ABSTRACT

INTRODUCTION

journal/publication info

journal/publication info

# Scholarly Articles

ARTICLE TITLE

AUTHOR(S)

ABSTRACT

LITERATURE  
REVIEW

INTRODUCTION

journal/publication info

journal/publication info

# Scholarly Articles

ARTICLE TITLE

AUTHOR(S)

ABSTRACT

LITERATURE  
REVIEW

INTRODUCTION

METHODOLOGY

journal/publication info

RESULTS

DISCUSSION

journal/publication info



# Scholarly Articles

ARTICLE TITLE

AUTHOR(S)

ABSTRACT

LITERATURE  
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METHODOLOGY

journal/publication info

RESULTS

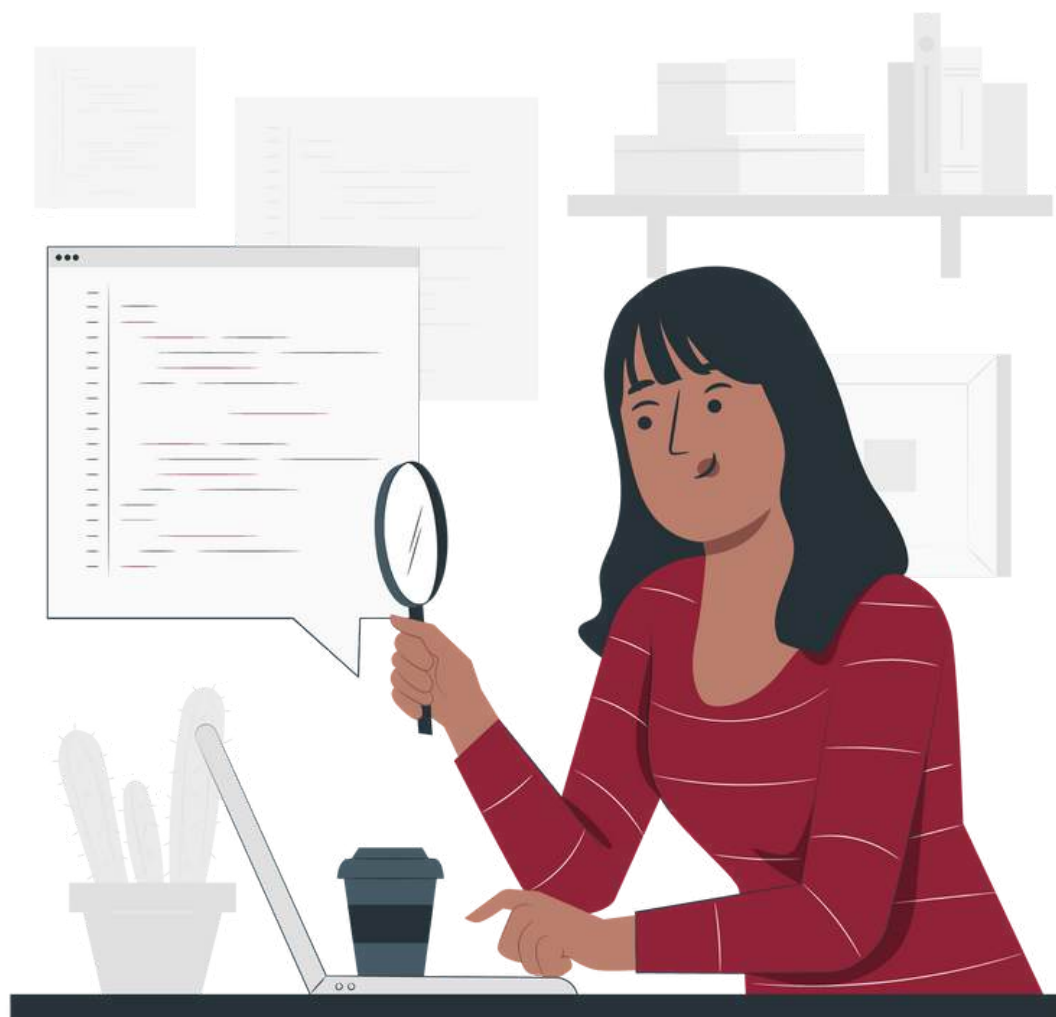
DISCUSSION

CONCLUSION

journal/publication info

BIBLIOGRAPHY

# EVALUATING ARTICLES



AUTHORITY/AUTHORSHIP

CURRENCY/TIMELINESS

COVERAGE/RELEVANCE

PURPOSE/AUDIENCE

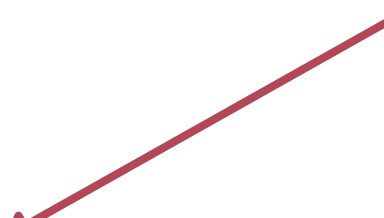
OBJECTIVITY/THOROUGHNESS

ACCURACY/DOCUMENTATION

Concordia Library guide on "[How to evaluate articles](#)"

# HOW DO I KEEP TRACK OF ALL THIS INFORMATION?

## Literature Review Synthesis Matrix and Research Log templates



Citation (APA)	Methods	Intervention	Keywords / Subjects	Concept 1:	Concept 2:	Concept 3:	Key quotes	Gaps, problems, unresolved questions, notes on sources



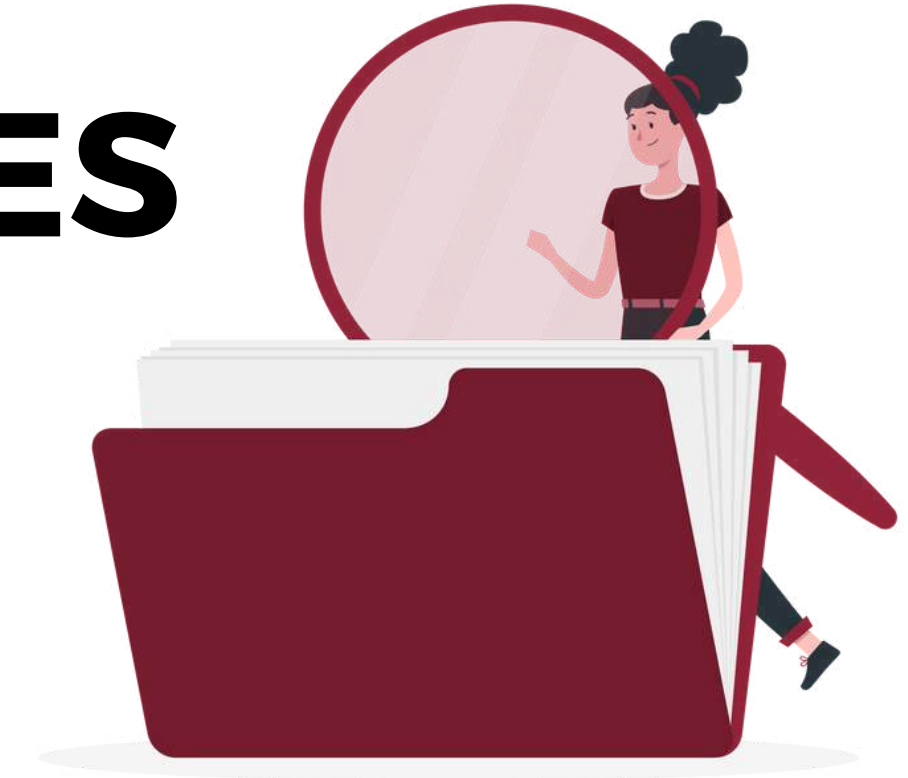
Date	Database name	Search terms	Search limits	Results
			Scholarly/Peer-reviewed	
18-Sep-23	Education Source		Date range	



# SUBJECT GUIDES

- [Education subject guide](#)
- [Applied linguistics/TESL subject guide](#)

# EDUCATION DATABASES



## 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.

**SAGE Research Methods Online** contains encyclopedias, dictionaries, books, journal articles and videos dealing with research methods in both theoretical and practical terms.



# SAGE RESEARCH METHODS ONLINE

## The Literature Review: Six Steps to Success

## Reviewing the Literature (Project planner)

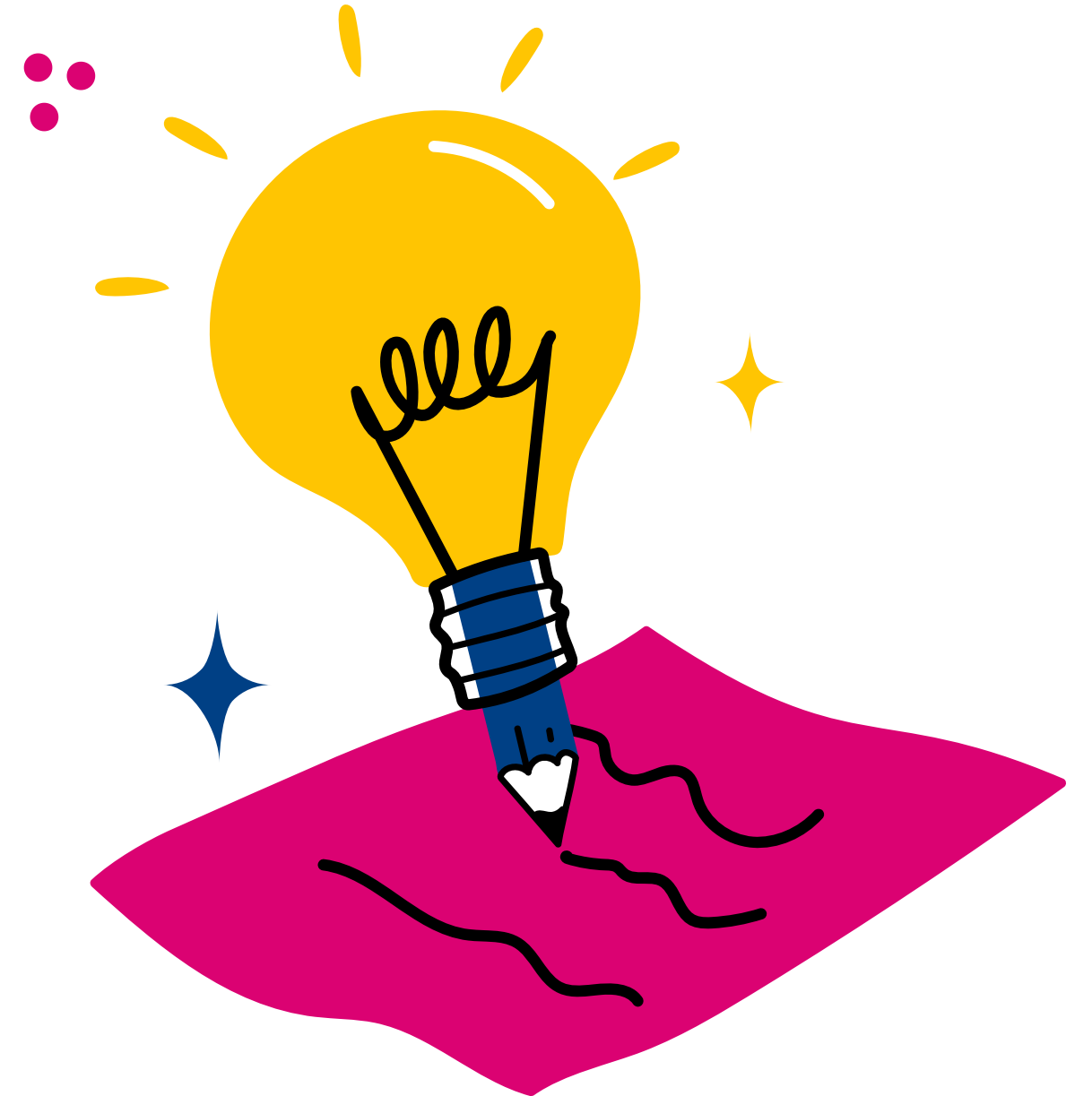
The screenshot shows the Sage Research Methods Online interface. At the top, the Sage logo is on the left, and navigation links for Research Methods, Business, Skills, Video, Data, Campus, CQ Press, and Reference & Academic Books are in the center. A search bar on the right contains the text 'literature review' with a magnifying glass icon. Below the search bar, it indicates '2,026 results found' and 'showing 1-20 results'. There are buttons for 'SAVE SEARCH' and 'EDIT SEARCH'. To the right, there are dropdown menus for 'Group results by:' (set to 'Work') and 'Sort by:' (set to 'Most relevant'). A 'Signed in:' section shows 'MY PROFILE' and 'Concordia ...'. On the left side, a 'Quick filters' sidebar is open, showing 'Content types' with a checked box for 'All Content Types' and expandable options for Books, Reference, Journal Articles, Datasets, Cases, Videos, Project Planner, and Podcasts. An 'APPLY FILTER' button is at the bottom of the sidebar. The main content area displays a book cover for 'The Literature Review: Six Steps to Success' by Lawrence A. Machi and Brenda T. McEvoy. To the right of the book cover, the title is repeated as a link, followed by the authors' names, the publisher 'Corwin', the original publication date '2016', and a list of methods: 'Literature review, Populations, Research questions'. Below this, there is a 'Top search hits' section with a link to 'Introduction Doing and Producing a Literature Review : An Overview' and a snippet of text starting with 'Introduction Doing and Producing a Literature Review : An Overview Getting Started Chi ha fretta vada piano. In order to go fast, you must go slow. Key Vocabulary Complex Literature Review—A review that extends the work of the simple review to identify and define an unanswered question requiring new primary...'. Another link is provided for 'Step Three: Search the Literature : Search Tasks and Tools' with a snippet starting with '... Step Three: Search the Literature : Search Tasks and Tools Veni, vidi, vici. I came, I saw, I conquered.—Julius Caesar The Literature Review Model Key Vocabulary Literature Search—Collecting, cataloging, and documenting data that will determine salient works and refine the topic Scanning—An organized search ...'.

# RESOURCES FOR WRITING LIT REVIEWS

[The literature review : six steps to success \(book\)](#)

[How to write a literature review \(guide\)](#)

[Writing a literature review | GRTR37](#)



# TYPES OF REVIEWS

## A typology of reviews: An analysis of 14 review types and associated methodologies (Grant and booth, 2009)

DOI: 10.1111/j.1471-1842.2009.00848.x

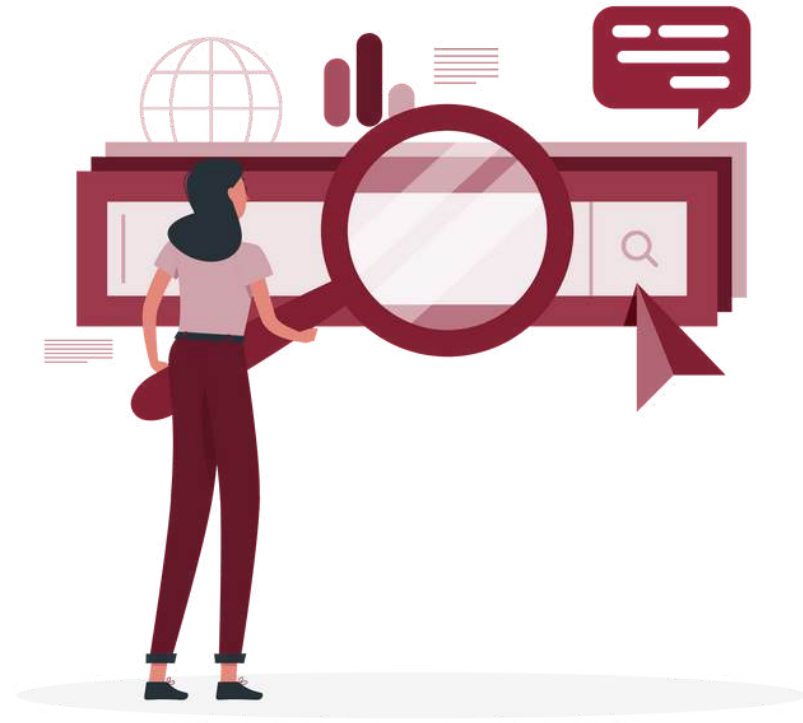
### *Review Article*

## **A typology of reviews: an analysis of 14 review types and associated methodologies**

Maria J. Grant\* & Andrew Booth†, \*Salford Centre for Nursing, Midwifery and Collaborative Research (SCNMCR), University of Salford, Salford, UK, †School of Health and Related Research (SchARR), University of Sheffield, Sheffield, UK

**Table 1** Main review types characterized by methods used

Label	Description	Methods used (SALSA)			
		Search	Appraisal	Synthesis	Analysis
Critical review	Aims to demonstrate writer has extensively researched literature and critically evaluated its quality. Goes beyond mere description to include degree of analysis and conceptual innovation. Typically results in hypothesis or model	Seeks to identify most significant items in the field	No formal quality assessment. Attempts to evaluate according to contribution	Typically narrative, perhaps conceptual or chronological	Significant component: seeks to identify conceptual contribution to embody existing or derive new theory
Literature review	Generic term: published materials that provide examination of recent or current literature. Can cover wide range of subjects at various levels of completeness and comprehensiveness. May include research findings	May or may not include comprehensive searching	May or may not include quality assessment	Typically narrative	Analysis may be chronological, conceptual, thematic, etc.



# ELECTRONIC RESOURCES

## DATABASES BY SUBJECT

Browse databases by subject or search for a specific database

## E-JOURNALS

Search by journal publication title

# **EDUCATION SOURCE: SEARCH DEMO**

**“experiential learning” OR “experiential education” OR “problem-based learning” OR “hands-on learning”**

**AND**

**“problem-solving” OR “skill acquisition” OR “critical thinking” OR “decision making”**

**AND**

**“adult learner\*” OR “lifelong learner\*” OR “adult education student\*” OR “mature student\*”**



# Sofia discovery tool

The screenshot shows the Sofia discovery tool interface. At the top left is the Concordia University Library logo. A search bar contains the term 'gamification'. To the right of the search bar is a 'Sign in' link. Below the search bar, there are links for 'Advanced Search' and 'Resources'. On the right side of this section, there are links for 'Search history' and 'Saved Items (0)'. Below this, there is a checkbox for 'Retain Filters' and a link for 'Clear Filters'. The main search results area shows '8,713 results in Concordia University Library'. On the left side, there are filters for 'Sort: Best Match', 'Search Result Display', 'Library' (with options for Libraries Worldwide, Bibliothèques universitaires du Québec, Concordia University Library, Webster Library, Vanier Library, and Special Collections), and 'Format' (with options for All, Article (6.7K), Book (426), Article, Chapter (8.3K), Article (6.7K), and Downloadable Article (1.1K)). The main content area displays the first result, 'Gamification mindset' by Ole Goethe. The result includes a book cover image, the title 'Gamification mindset', the author 'Ole Goethe (Author)', the format 'eBook 2019', and the publisher 'Cham, Switzerland : Springer, [2019]'. A summary describes the book's content. There are buttons for 'View eBook', 'Report a Broken Link', 'Notes & License Terms', 'Cite', 'Share', and 'Save'. A green checkmark indicates the item is available in the Concordia University Library. At the bottom, there is a link for 'Worldwide Editions and Formats View All (6)' and a red circular icon with a white document symbol.

Concordia University Library

gamification

Sign in

Advanced Search Resources

Search history Saved Items (0)

Retain Filters | [Clear Filters](#)

8,713 results in Concordia University Library

Sort: **Best Match**

Search Result Display

Library

- Libraries Worldwide
- Bibliothèques universitaires du Québec
- Concordia University Library
  - Webster Library
  - Vanier Library
  - Special Collections

Format

- All
- [Article \(6.7K\)](#)
- [Book \(426\)](#)
- Article, Chapter (8.3K)
  - Article (6.7K)
  - Downloadable Article (1.1K)

1

[Cite](#) [Share](#) [Save](#)

**Gamification mindset**

Authors: [Ole Goethe](#) (Author)

eBook 2019  
Cham, Switzerland : Springer, [2019]

**Summary:** Explores how **gamification** techniques are used to leverage users' natural desires for achievement, competition, collaboration, learning and more. Compared to other books on this topic, it gives more than just an introduction and develops the readers understanding through frameworks and models, based on research to make it easier to develop gamified

[Show More](#)

[View eBook](#)

Available  
Concordia University Library

[Report a Broken Link](#)

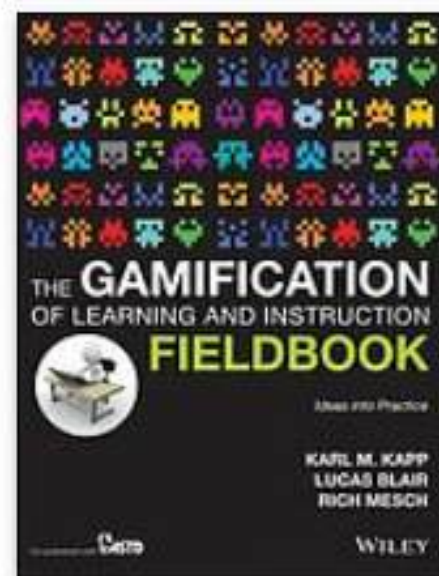
[Notes & License Terms](#)

[Worldwide Editions and Formats](#) [View All \(6\)](#)



# Requests, Interlibrary Loans (ILL/), and Scan & Deliver

For more detailed explanations of how to place requests for books, articles, and chapters, please visit the [Sofia user guide](#).



The gamification of learning and instruction fieldbook : ideas into practice

Authors: [Karl M Kapp 1967-](#), [Lucas Blair](#), [Rich Mesch](#)

 Print Book 2014

San Francisco, CA : Wiley, [2014]

**Summary:** "Following Karl Kapp's earlier book The Gamification of Learning and Instruction, this Fieldbook provides a step-by-step approach to implementing the concepts from the Gamification book with examples, tips, tricks, and worksheets to help a learning professional or faculty member put the ideas into practice. The Online Workbook, designed largely for students using the

Show More 

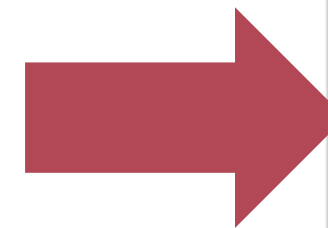
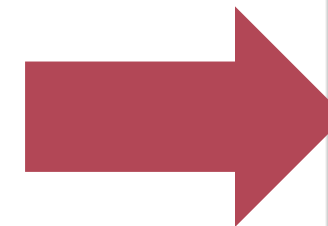


More Author/Title Info:

Karl M. Kapp, Lucas Blair, Rich Mesch.

Physical Description:

xxxiii, 444 pages : illustrations ; 24 cm



Chapter scan / Put on Course Reserve

 Available

Concordia University Library

Webster Library

- Books

LB 1029 G3K363 2014

 [Locate](#)

[Request](#)

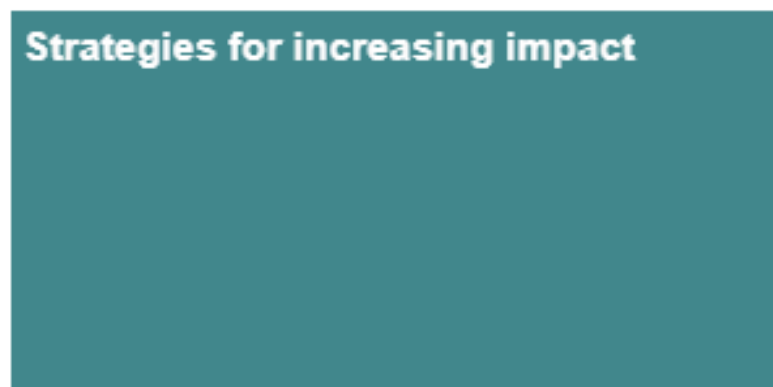
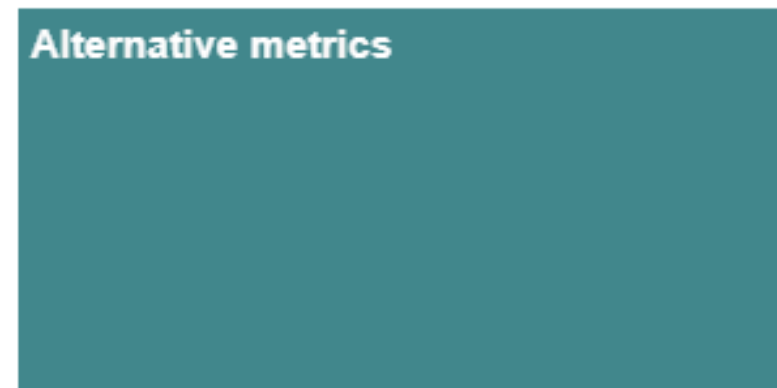
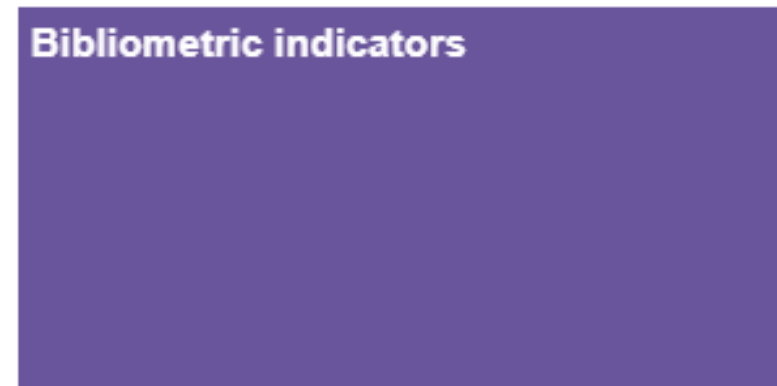
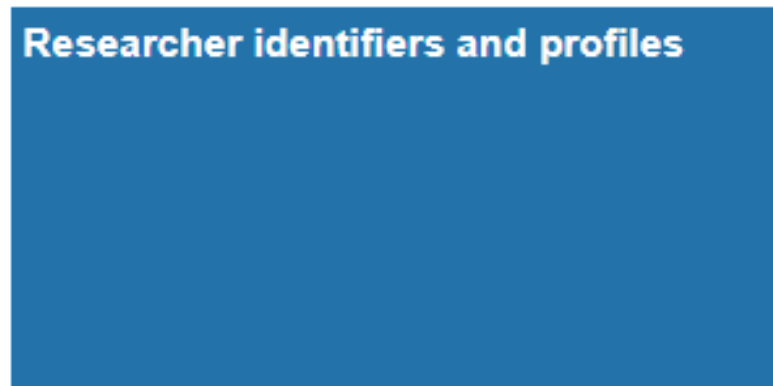
At Libraries Worldwide

[View details](#)

# **BIBLIOMETRICS AND RESEARCH IMPACT GUIDE**

## Bibliometrics and research impact guide

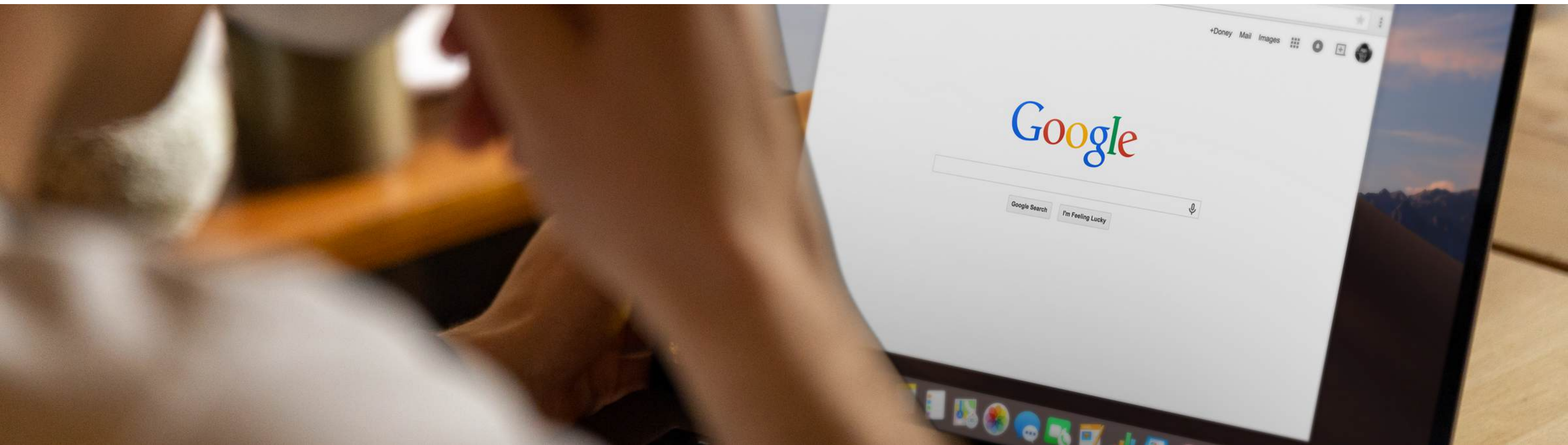
This guide provides information on bibliometric indicators and an understanding of the tools available to assist in their determination.



# GOOGLE SCHOLAR

Visit our guide to [Set up Google Scholar to find library resources.](#)

[Google vs. Google Scholar vs. Library databases \(Newcastle University\)](#)



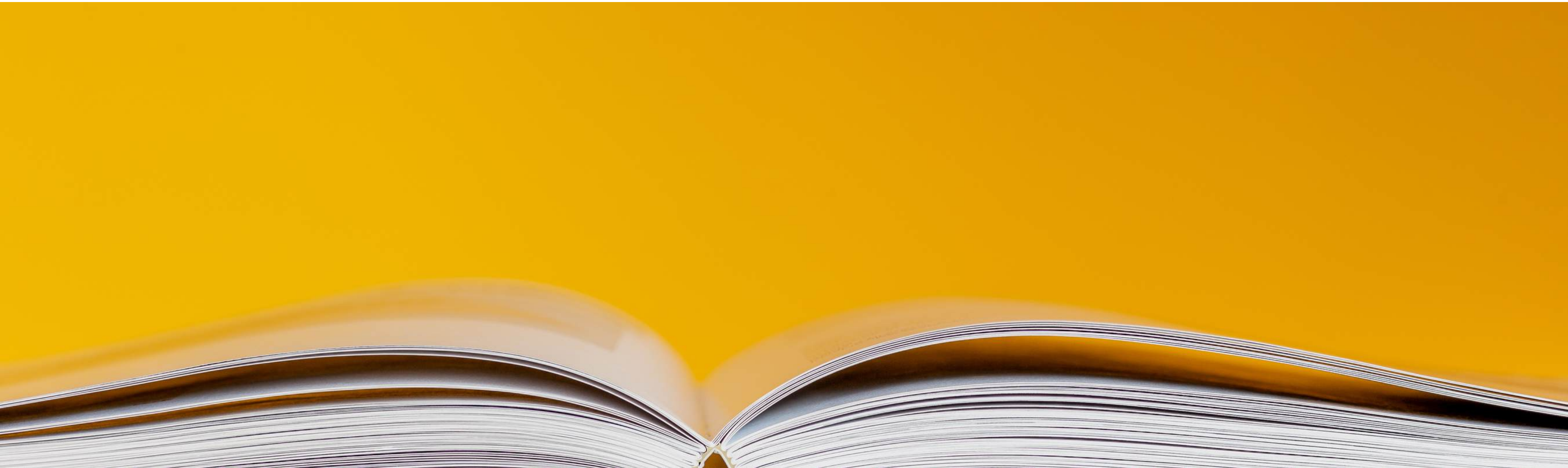


# APA CITATION GUIDES

[APA GUIDE \(CONCORDIA LIBRARY\)](#)

[APA OWL PURDUE](#)

[THE OFFICIAL GUIDE TO APA STYLE](#)



# Why cite?

- Helps you avoid plagiarism by acknowledging sources
- Provides enough details for the reader to track down the original source
- Adds credibility to your statements, opinions and ideas
- Demonstrates the breadth and depth of the research you have done

# ZOTERO

## Zotero guide

- Save and organize all your resources in one place by creating tags and collections
- Cite your sources
- Create bibliographies
- Zotero connector
- Install plug-ins for Word, LibreOffice, and Google Docs

The screenshot displays the Zotero desktop application interface. The window title is 'Diversity audits'. The left sidebar shows a hierarchical view of the library structure, with 'Diversity audits' selected. The main pane shows a list of items with columns for 'Title' and 'Creator'. The items are sorted by title. The interface includes a search bar at the top right, a toolbar with various icons, and a filter tags section at the bottom left.

Title	Creator
> A Diversity, Equity, and Inclusion (DEI) Approach to Collection Development in a University Li...	Gibney et al.
> A Place to Speak and Be Heard: Building a Collection to Support the Use of Indigenous Languag...	Schneider and Norman
> Analyzing the Diversity of a High School Library Collection	Jorgenson and Burress
> Assessing Diversity in Hospital Library Collections	Brillant et al.
> Auditing Diversity in Library Collections	Hakala-Ausperk
> Barriers to an inclusive academic library collection	Price
> Bolstering the Asian American Law Library Collection: A Collection Development Guide	Cheney et al.
> Books by and/or about Black, Indigenous and People of Color 2018	
> Building Diverse Collections: Options to review print and digital holdings through an inclusive lens	Smith
> Can Diverse Books Save Us? In a divided world, librarians are on a mission.	Ishizuka
> Checklist: 8 Steps to Creating a Diverse Book Collection	LEEANDLOWBOOKS
> Collecting for Diversity, Equity, and Inclusion: Best Practices for Virginia Libraries	Carmack
> Counting the Collection	Wood
> Critical Pedagogy in Library Collections: Conducting a DEI Library Audit with Student Interns	Wells et al.
> Critical Resource Selection Toolkits	
> Developing an Introductory Diversity Audit at Liberty Public Library: An Action Research Approach	Sevits and McAllister
> Diverse Collections: An Interpretation of the Library Bill of Rights	admin
> Diversity and inclusion in libraries: a call to action and strategies for success	Jones and Murphy
> Diversity Audit 2 – Sci-Fi	Bogan
> Diversity Audit 3 – Mystery & Horror Genre	Bogan



# ASK US! SERVICE



**Ask Us! desk**

Name (optional)

Your email address\*

Your question\*

Start chat

Minimize chat

**Chat service**



**Phone/email**

# LOANS AND COURSE RESERVES



**Loans desk**



**Course reserves**



**Interlibrary loans**





*library*  
**SPACES**



# WEBSTER LIBRARY



Group study rooms  
(bookable).



Collaborative zones



Print workstations

# GRADUATE STUDY SPACES

## Dissertation Writers' Rooms

- LB-561 “Iceland”
- LB-562 “Venezuela”
- LB-564 “Mali”

## Reading Room

- LB-545 “Spain”

For more information, visit the [Graduate study spaces guide](#).





# GREY NUNS



Bookable Group study rooms available



# VANIER LIBRARY







211.00  
TECHNOLOGY  
SANDBOX  
BAC À SABLE DES  
TECHNOLOGIES

*Technology*  
**SANDBOX**





A person with long hair is wearing a VR headset and holding two VR controllers. They are standing in a workshop or library space. In the background, there is a whiteboard with some diagrams and a long wooden table with various tools and equipment on it. The scene is dimly lit, with some blue and purple light effects visible in the background.

**Opened in 2017 as part of the Webster Library Transformation, the Technology Sandbox is a community space where everyone can learn by doing, by making, by playing, and by sharing knowledge with each other.**







# WORKSHOPS

Visit our [library events page](#) to check out our general workshops and technology sandbox workshops!

Thinking Critically  
about AI Tools

Arduino 101

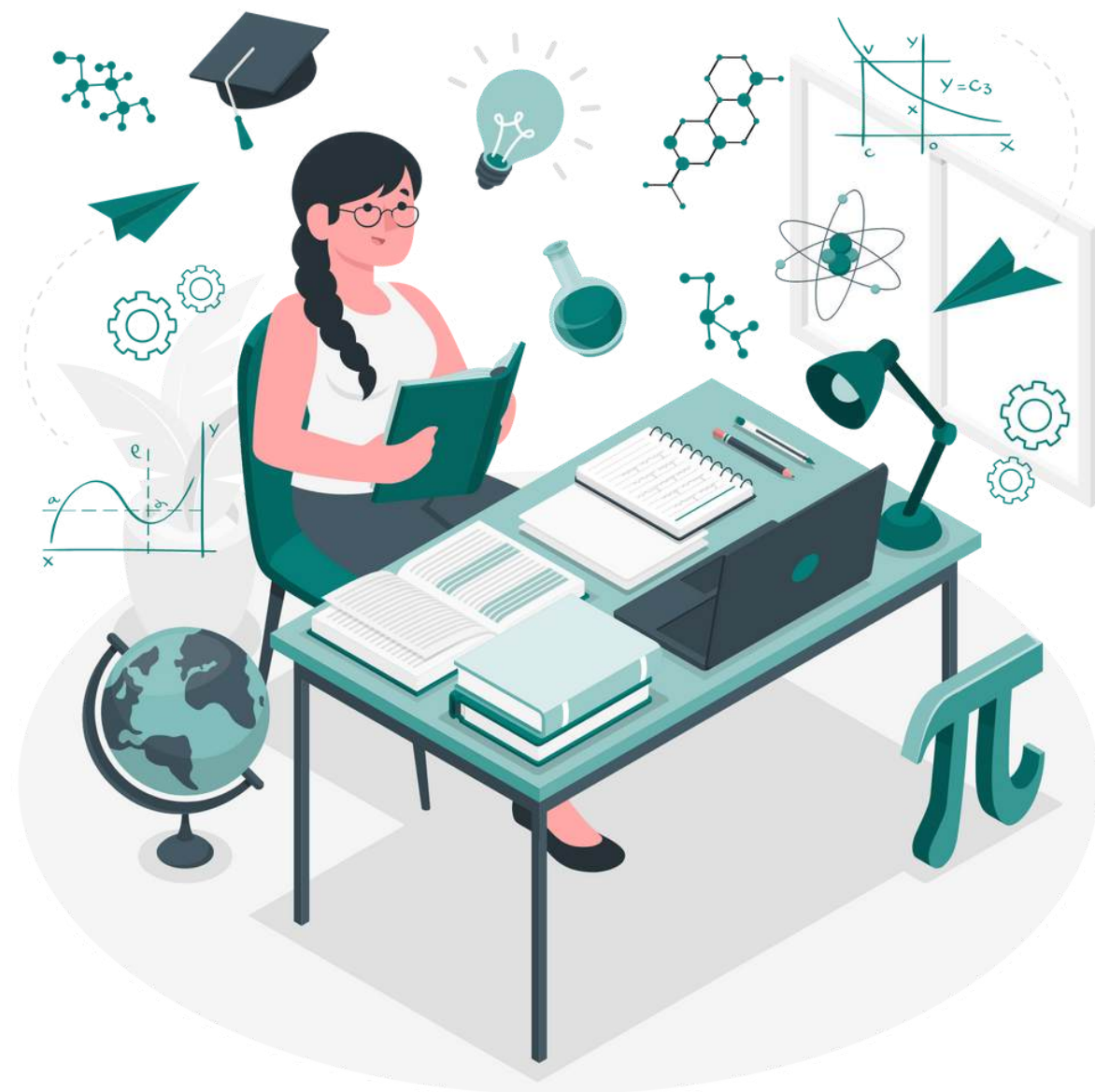
Using Zotero

Notebook making

Researching  
Indigenous topics

Zine making





## WRITING ASSISTANCE

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

## CITATION HELP DROP-IN

Need a quick overview of how to cite your sources? Confused by the intricacies of APA, MLA, or Chicago style? Have a specific question about how to cite a source? Drop in any time during the hour to get expert advice from a librarian.



**MELISSA.RIVOSECCHI@CONCORDIA.CA**

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

or visit the Ask Us desk!