EDUC 230

RESEARCH SKILLS & RESOURCES

Melissa Rivosecchi
Teaching & Research Librarian, Social Sciences

January 20, 2025
Online

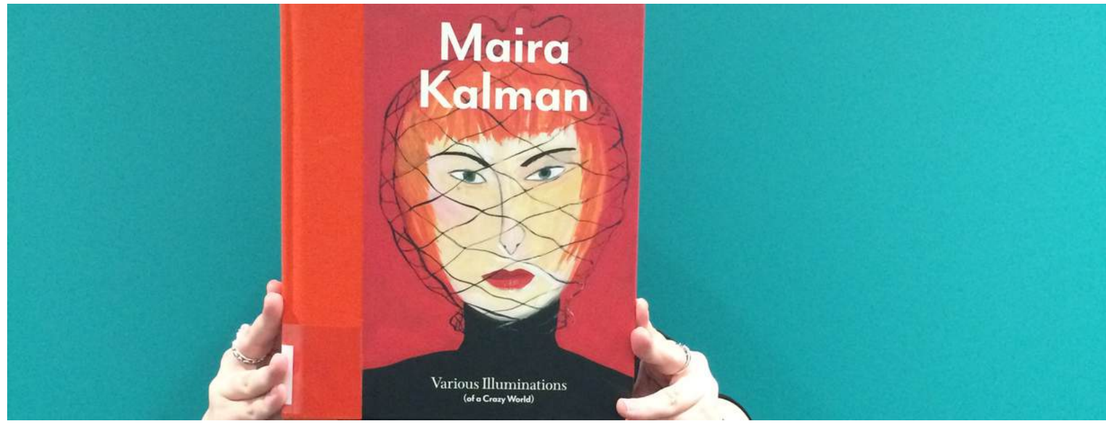
Hi I’m Mel!

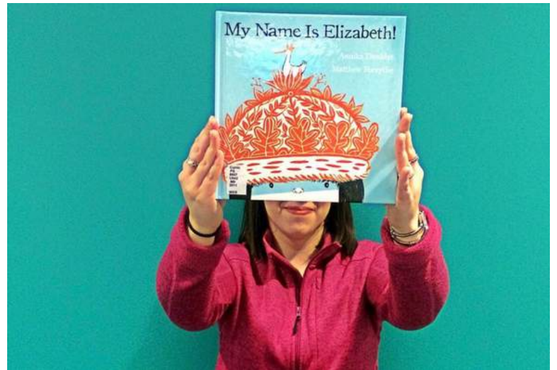
Librarian for Education, Psychology, Creative Arts Therapies, and Art Education.

melissa.rivosecchi@concordia.ca

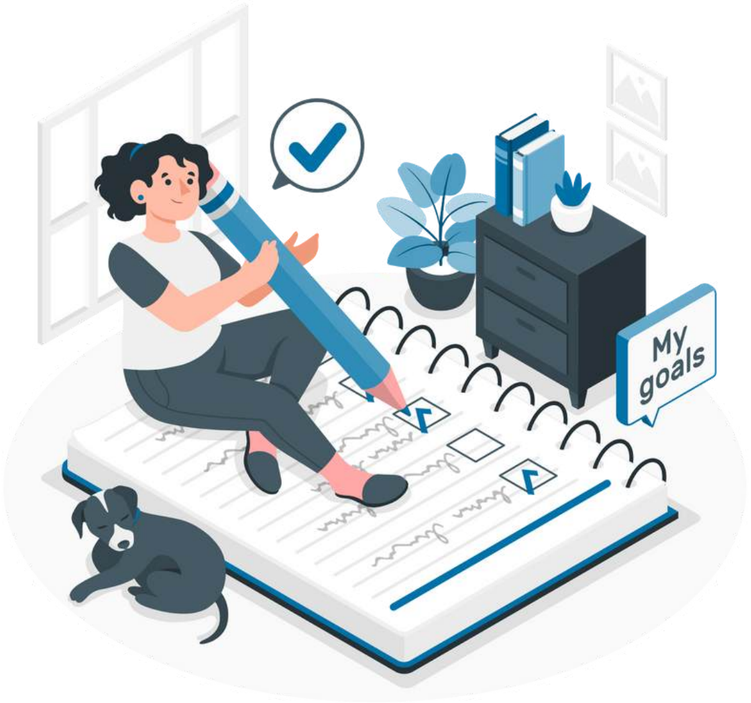
I can help with:

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





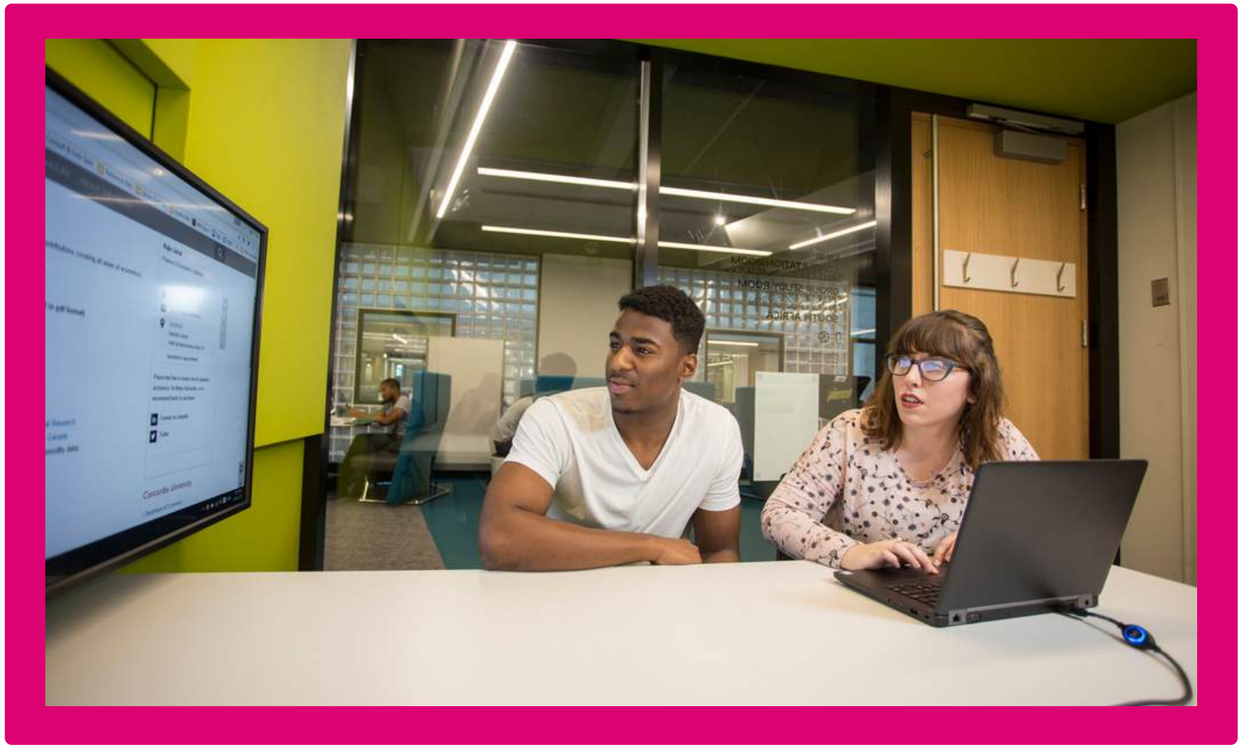
Objectives



- Get familiar with library services
- Develop a research strategy
- Identify synonyms and related terms
- Search a database
- Search in Sofia
- Identify APA guides to help cite sources and create bibliographies

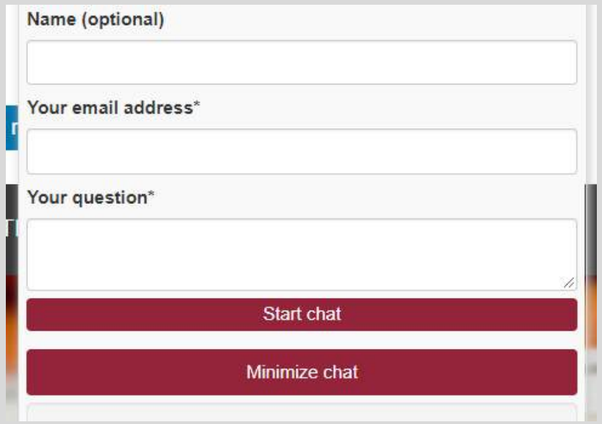
ACADEMIC SUPPORT

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



ASK US! SERVICE

Ask Us! desk



Chat service

Phone/email

LOANS AND COURSE RESERVES

Loans desk

Course reserves

Interlibrary loans

library
SPACES

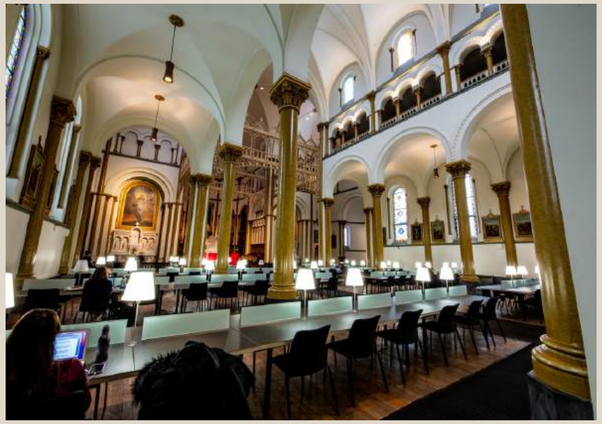
WEBSTER LIBRARY

Group study rooms (bookable)

Collaborative zones

Print workstations

GREY NUNS



Bookable Group study rooms available

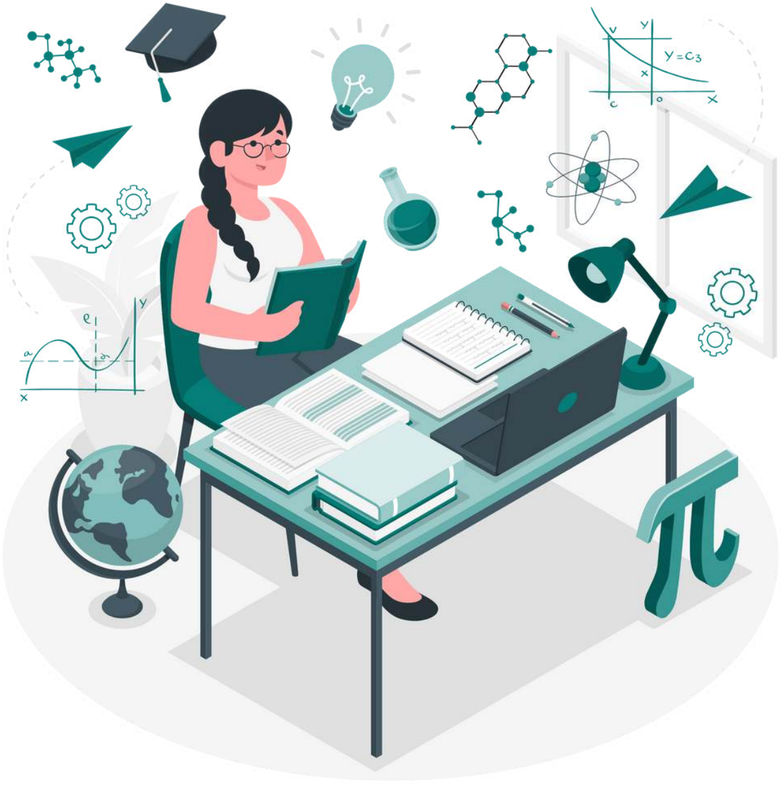
VANIER LIBRARY

Technology SANDBOX

WORKSHOPS

Visit our library events page to check out our general workshops and Technology Sandbox workshops!

- Thinking Critically about AI Tools
- Arduino 101
- Notebook Making
- Zine making
- Researching Indigenous topics
- Design for 3D Printing



WRITING ASSISTANCE

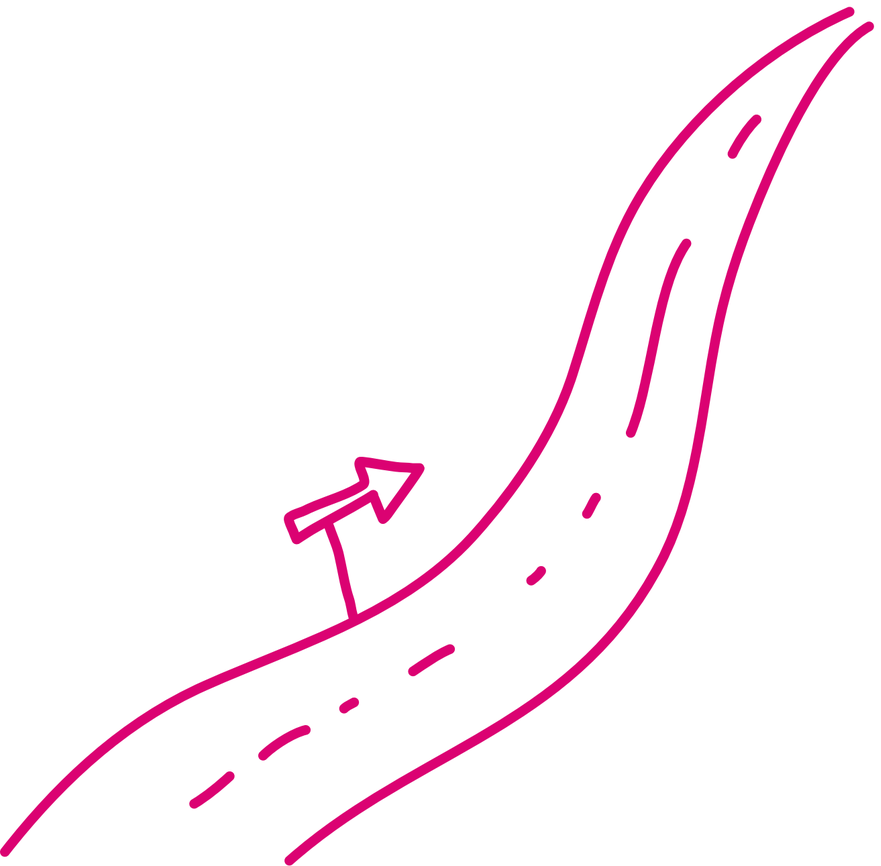
Every Tuesday 11-2
LB-2 (near Ask Us desk)
Webster Library

CITATION HELP DROP-IN (ONLINE)

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.

March 26

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.

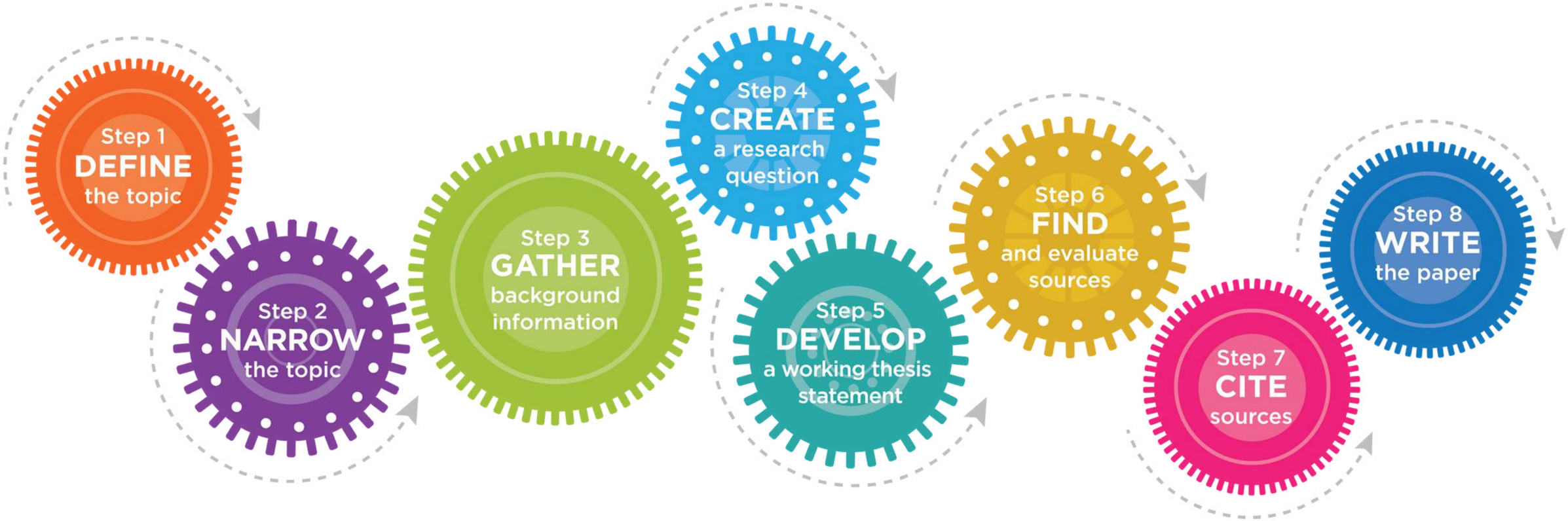
Don’t worry: clarity will emerge!

Model of the Information Search Process (Kuhlthau, 2004)

	Initiation	Selection	Exploration	Formulation	Collection	Presentation	Assessment
Feelings (Affective)	Uncertainty	Optimism	Confusion Frustration Doubt	Clarity	Sense of direction / Confidence	Satisfaction or Disappointment	Sense of accomplish-ment
Thoughts (Cognitive)	vague →			focused →		increased interest	Increased self-awareness
Actions (Physical)	seeking	relevant Exploring	information →	seeking	pertinent Documenting	information	

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



The Research Process graphic. Authored by: Kim Louie for Lumen Learning. License: CC BY: Attribution

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?

Key concepts

Research question:

How does inquiry-based learning promote critical thinking skills in high school students?

Key concept	Key concept	Key concept

Key concepts

Research question:

How does inquiry-based learning promote critical thinking skills in high school students?

Key concept	Key concept	Key concept
Inquiry-based learning		

Key concepts

Research question:

How does inquiry-based learning promote critical thinking skills in high school students?

Key concept	Key concept	Key concept
Inquiry-based learning	Critical thinking	

Key concepts

Research question:

How does inquiry-based learning promote critical thinking skills in high school students?

Key concept	Key concept	Key concept
Inquiry-based learning	Critical thinking	High school students

Synonyms or related concepts

Key concept	Key concept	Key concept
Inquiry-based learning	Critical thinking	High school students

Synonyms or related concepts

Key concept	Key concept	Key concept
Inquiry-based learning	Critical thinking	High school students
Problem-based learning		
Project-based learning		
Experiential learning		

Synonyms or related concepts

Key concept	Key concept	Key concept
Inquiry-based learning	Critical thinking	High school students
Problem-based learning	Reflective thinking	
Project-based learning	Evaluative thinking	
Experiential learning	Problem-solving	

Synonyms or related concepts

Key concept	Key concept	Key concept
Inquiry-based learning	Critical thinking	High school students
Problem-based learning	Reflective thinking	Teenagers
Project-based learning	Evaluative thinking	Secondary school students
Experiential learning	Problem-solving	Adolescents

Synonyms or related concepts

AND

Combines concepts

Key concept	AND	Key concept	AND	Key concept
Inquiry-based learning		Critical thinking		High school students
Problem-based learning		Reflective thinking		Teenagers
Project-based learning		Evaluative thinking		Secondary school students
Experiential learning		Problem-solving		Adolescents

Synonyms or related concepts

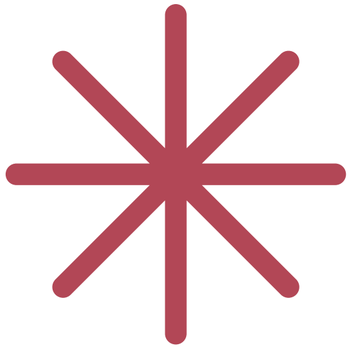
AND

Combines concepts

OR

“OR” give you “MORE”!

Key concept	AND	Key concept	AND	Key concept
Inquiry-based learning		Critical thinking		High school students
OR		OR		OR
Problem-based learning		Reflective thinking		Teenagers
OR		OR		OR
Project-based learning		Evaluative thinking		Secondary school students
OR		OR		OR
Experiential learning		Problem-solving		Adolescents



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*”

Search strategy

“Inquiry-based learning” OR “Problem-based learning” OR “Project-based learning” OR “Experiential learning”

AND

“Critical thinking” OR “Reflective thinking” OR “Evaluative thinking” OR “Problem-solving

AND

“High school student*” OR teen* OR adolescent* OR “Secondary school student*”

EBSCOhost Searching: Education Source | Choose Databases

CONCORDIA UNIV LIBRARY

"Inquiry-based learning" OR "Problem-based learni — Select a Field (optional) — Search

AND "Critical thinking" OR "Reflective thinking" O — Select a Field (optional) — Clear

AND "High school student*" OR teen* OR adoles — Select a Field (optional)

Basic Search | Advanced Search | Search History

Refine Results

Current Search

Proximity:

("Inquiry-based learning" OR "Problem-based learni ng" OR "Projec...

Expanders

Apply equivalent subjects

Limit To

- [ ] Full Text
- [ ] References Available
- [ ] Peer Reviewed

From: 1949 Publication Date To: 2024

Search Results: 1 - 30 of 233 — Relevance | Page Options | Share

1. **Adolescents** as Coaches during Service-**Learning**: Teaching Children Social and Emotional Skills.

Academic Journal

By: Nabors, Laura; Poteet, April; Blankemeyer, Clare Zlatic; Kamphaus, Allison. Child & Youth Care Forum, Oct2019, Vol. 48 Issue 5, p719-736, 18p; DOI: 10.1007/s10566-019-09503-x

Subjects: Evaluation of teaching; Emotions; **High school students**; Interpersonal relations; Labor supply; **Problem solving**; **School** children; Social skills education; **Service learning**; **Students**; Qualitative research; Human services programs; Individual development; **Adolescence**; Children; Temporary Help Services; Other Individual and Family Services; Leadership; Mentoring; Poverty; Reflection (Philosophy); Serial publications; Sex distribution; Social role; **Teenagers'** conduct of life; Pilot projects; Social support; Thematic analysis; Evaluation of human services programs

Cited References: (40) Times Cited in this Database: (1)

HTML Full Text | PDF Full Text (609KB) | Find it!@Concordia

2. **Project**-Oriented **Problem-Based Learning** Through SR-STEM to Foster **Students' Critical Thinking** Skills in Renewable Energy Material.

Academic Journal

By: Rizki, Iqbal Ainur; Suprapto, Nadi. Journal of Science Education & Technology, Aug2024, Vol. 33 Issue 4, p526-541, 16p; DOI: 10.1007/s10956-024-10102-2

Subjects: Problem-based learning; **Critical thinking**; **High school students**; Psychology of **students**; Concept mapping; Administration of General Economic Programs; Renewable energy sources; Sustainable development

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Your question*

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EBSCOhost Searching: Education Source | Choose Databases

CONCORDIA UNIV LIBRARY

Concept 1 → "Inquiry-based learning" OR "Problem-based learni | Select a Field (optional) | Search

Concept 2 → AND | "Critical thinking" OR "Reflective thinking" O | Select a Field (optional) | Clear

Concept 3 → AND | "High school student*" OR teen* OR adoles | Select a Field (optional)

Basic Search | Advanced Search | Search History

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Your question*

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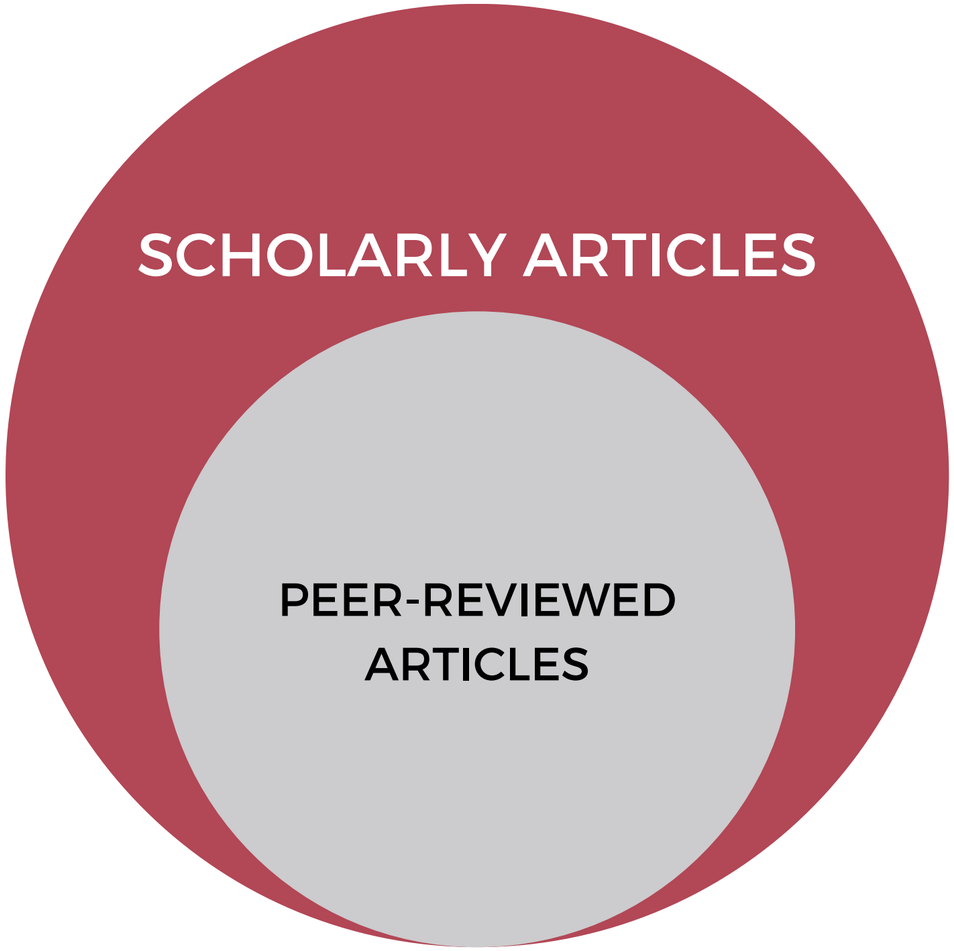
library.concordia.ca

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

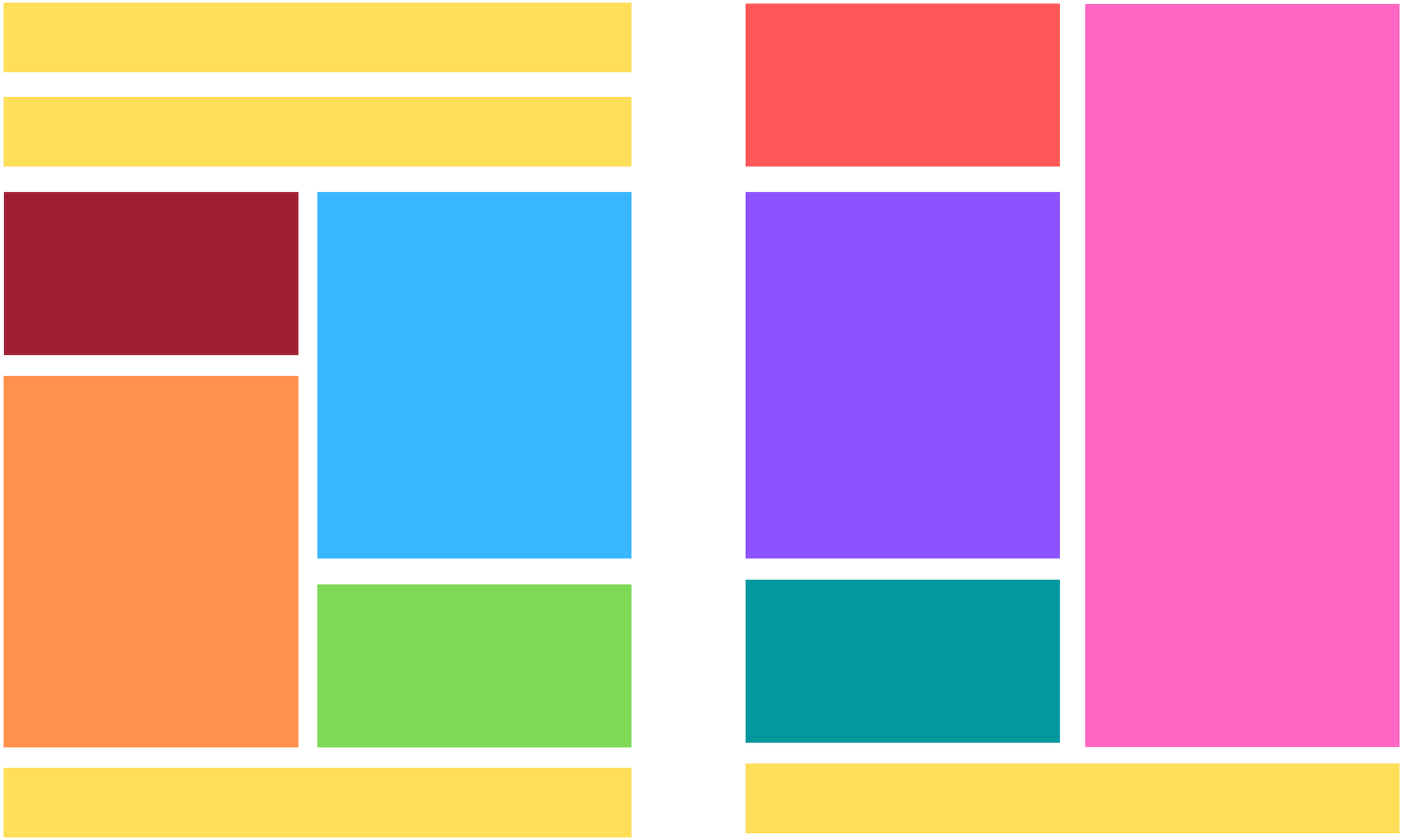
Date	Database name	Search terms	Search limits	Results
			Scholarly/Peer-reviewed	
18-Sep-23	Education Source		Date range	



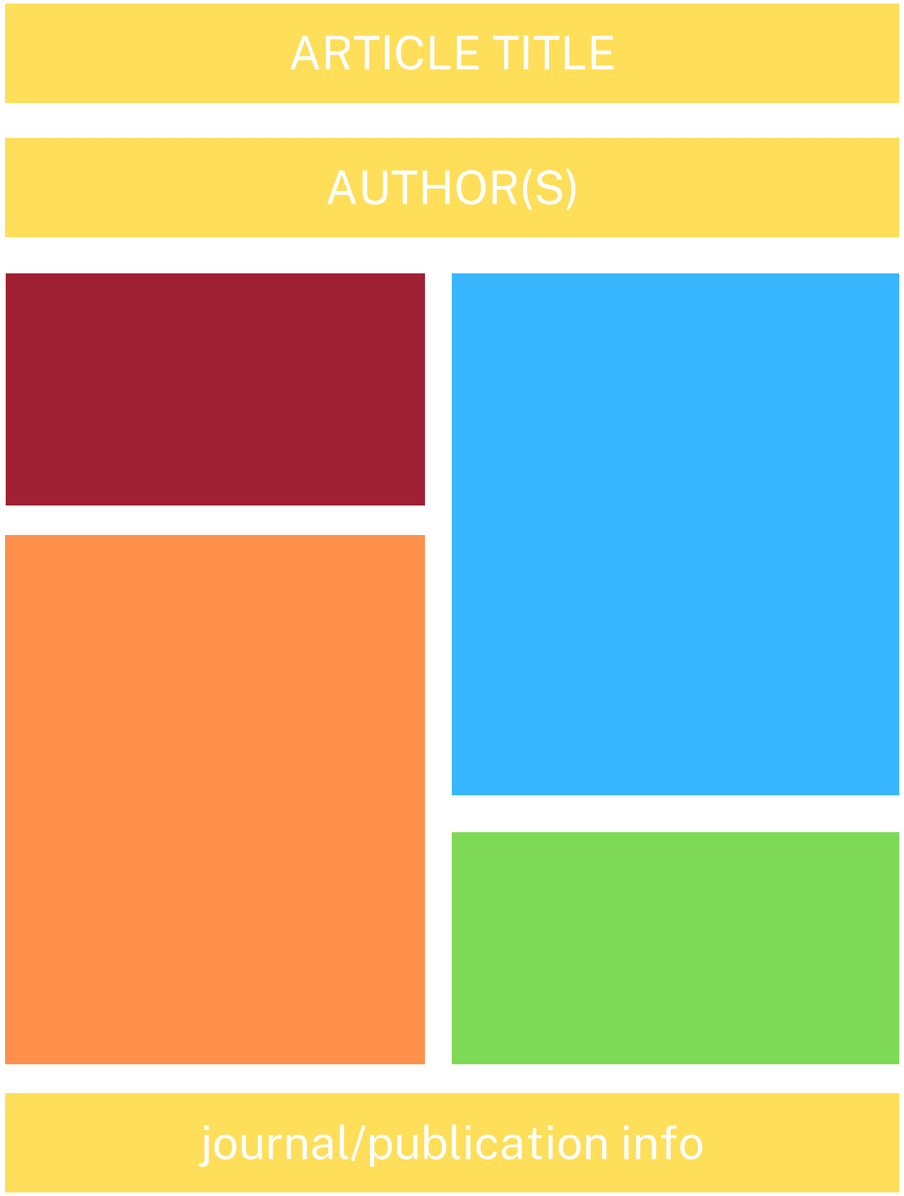
Scholarly vs. Peer-reviewed articles

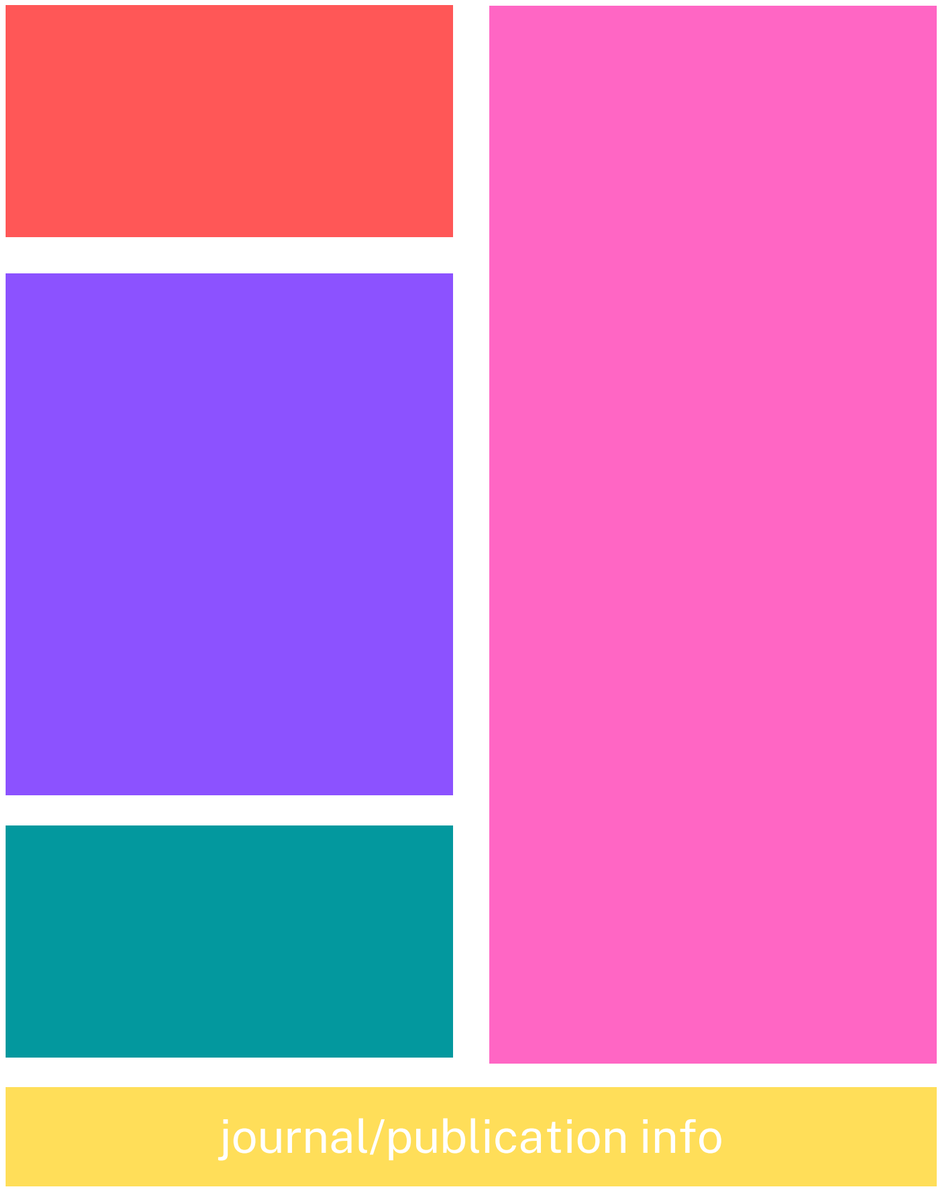
- Scholarly articles refer to academic articles
- Peer-review (aka "Refereed") articles are a subset of scholarly articles

Scholarly Articles

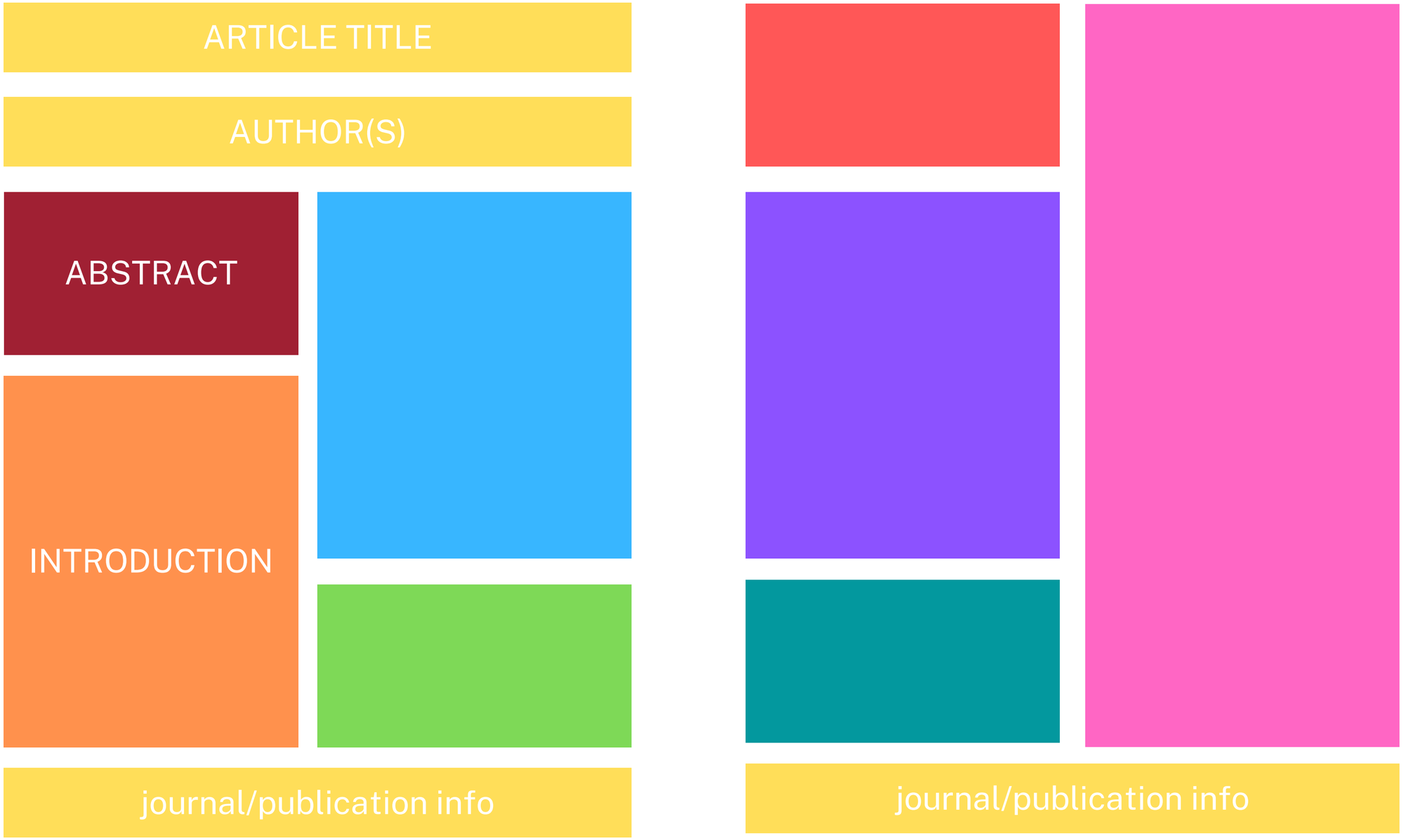


Scholarly Articles

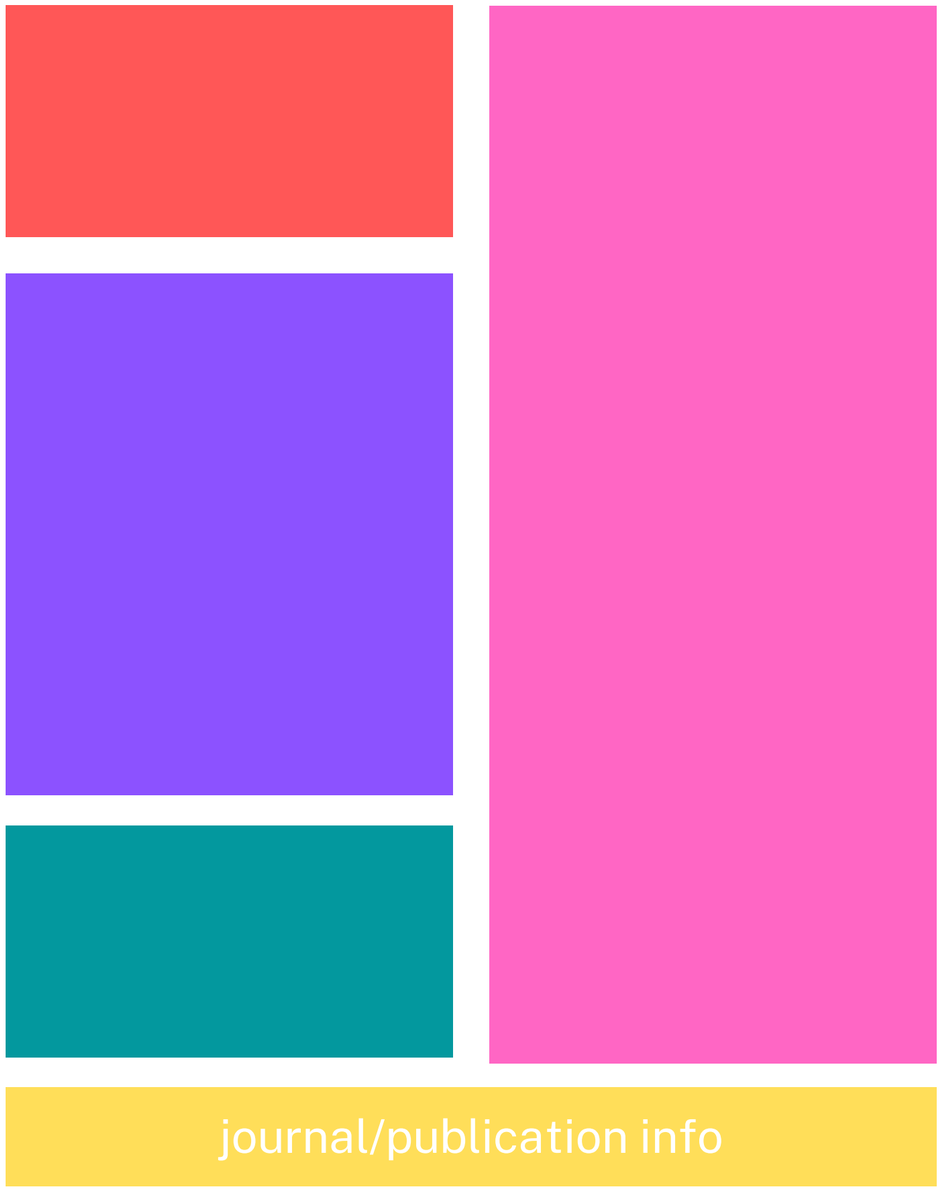




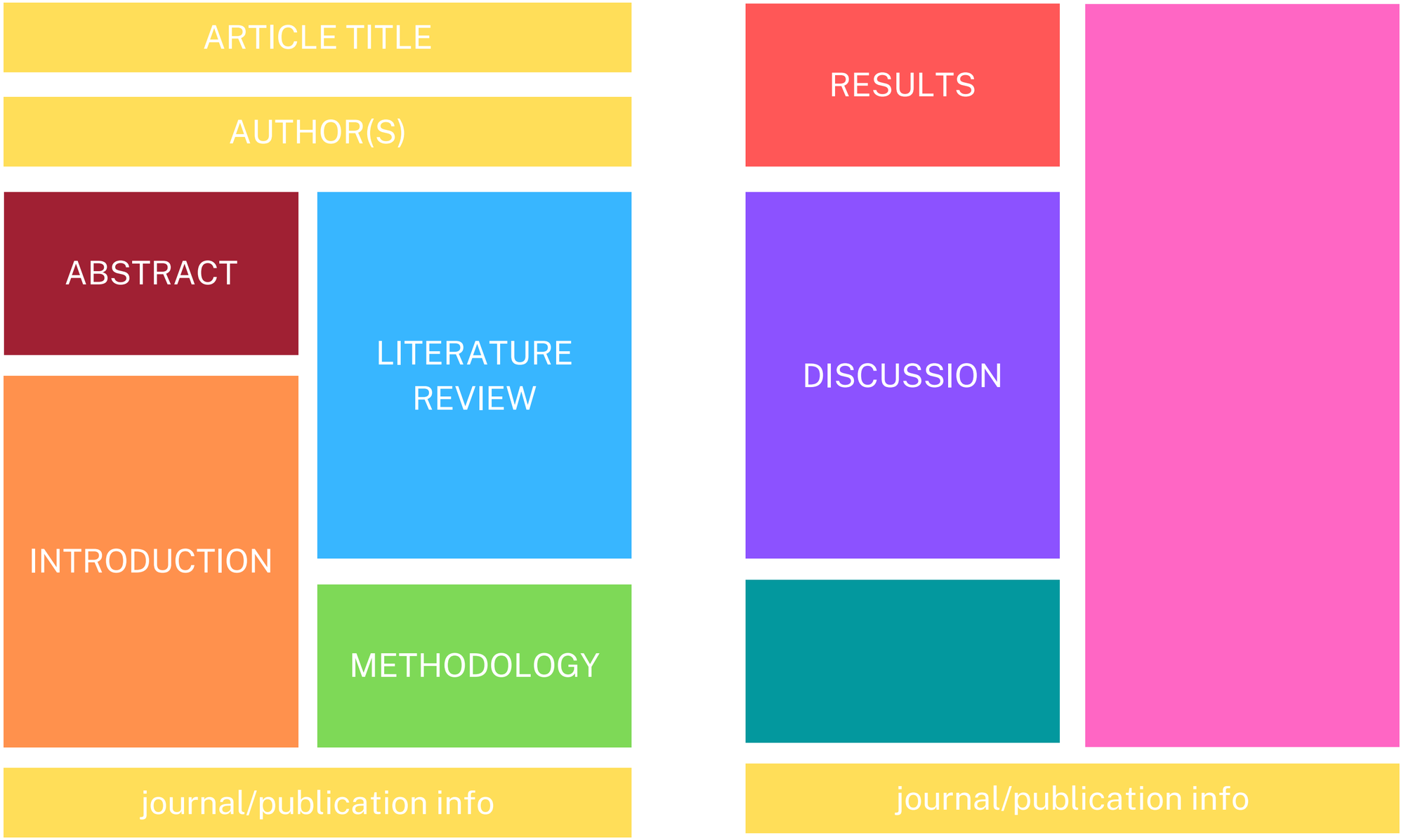
Scholarly Articles



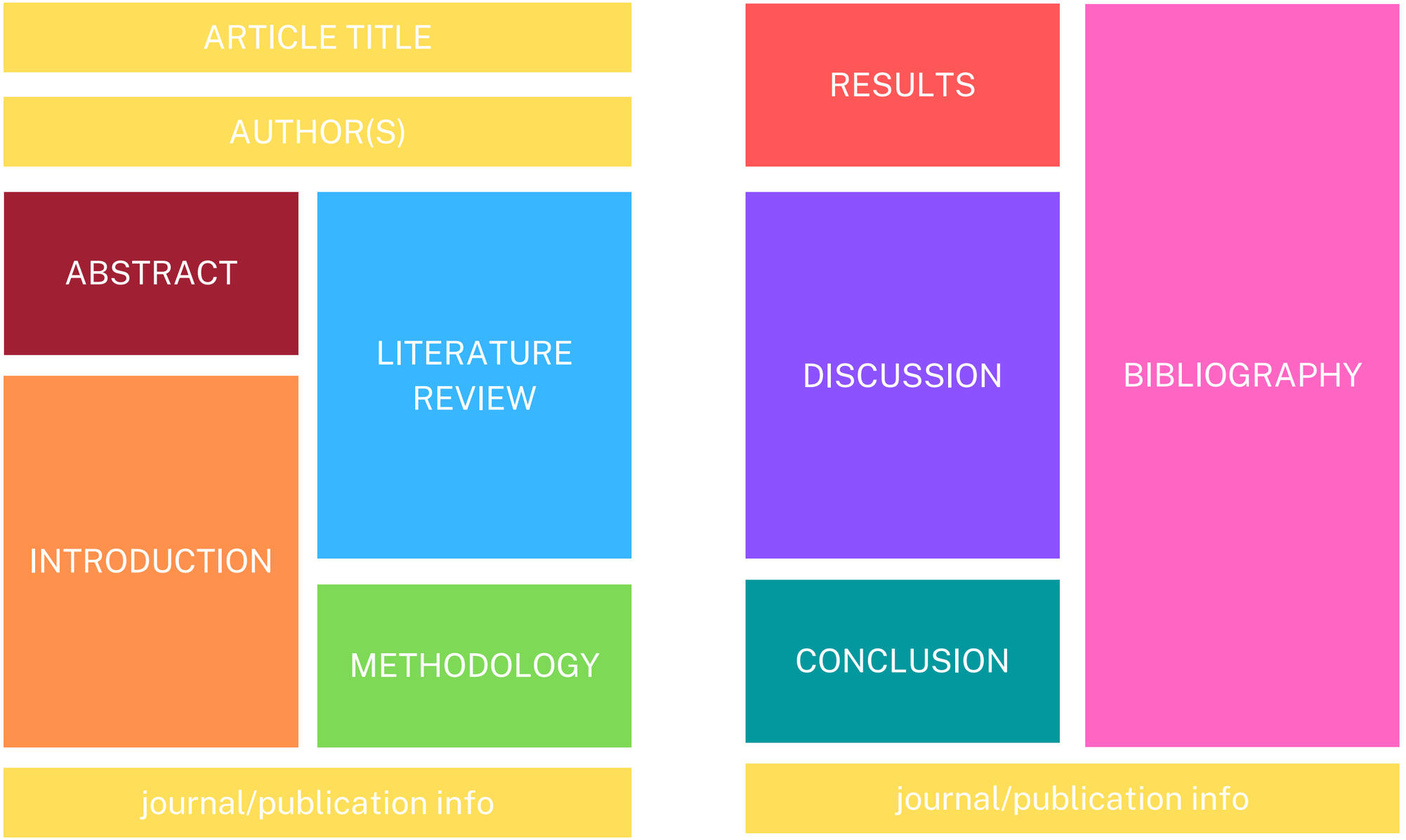
Scholarly Articles



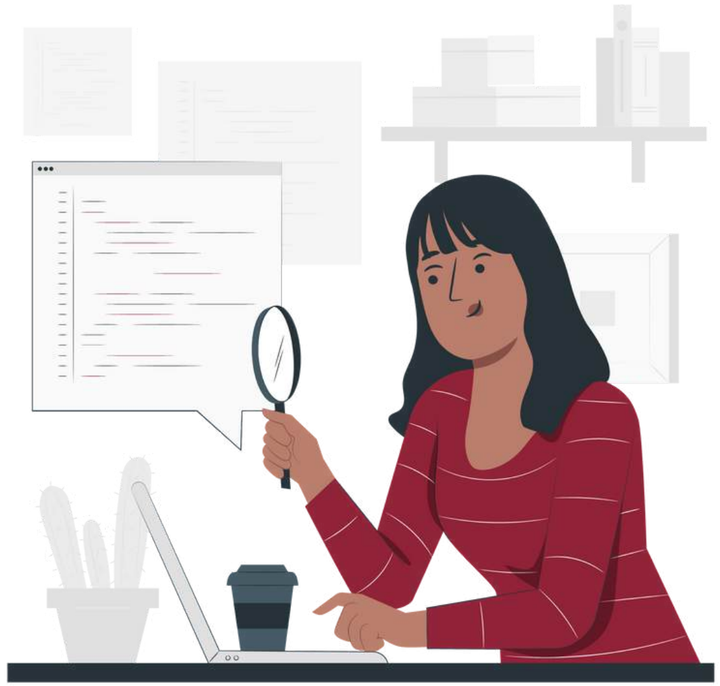
Scholarly Articles



Scholarly Articles



Evaluating articles



AUTHORITY/AUTHORSHIP

CURRENCY/TIMELINESS

COVERAGE/RELEVANCE

PURPOSE/AUDIENCE

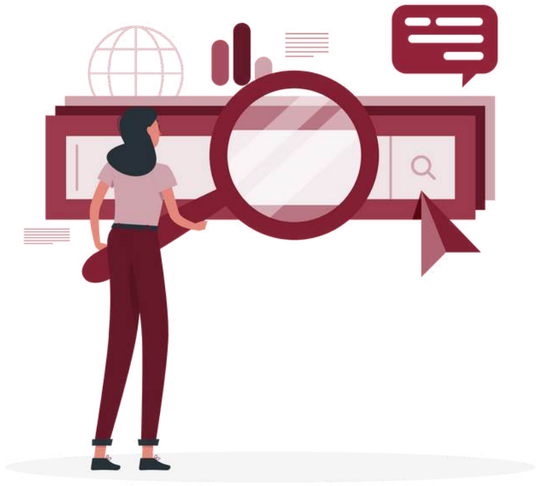
OBJECTIVITY/THOROUGHNESS

ACCURACY/DOCUMENTATION

Concordia Library guide on "How to evaluate articles"

Subject guides

- Education subject guide
- Applied linguistics/TESL subject guide



Electronic Resources

DATABASES BY SUBJECT

Browse databases by subject or search for a specific database

E-JOURNALS

Search by journal publication title

Journal of Philosophy of Education
Educational Philosophy and Theory

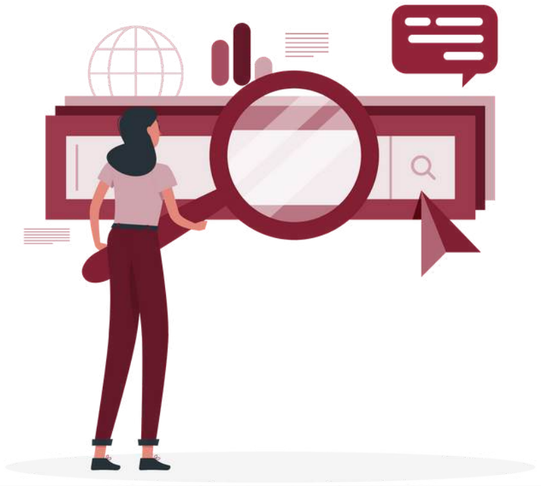
Education Databases

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.



Other resources

PROQUEST COMBINED CANADA

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

REPÈRE

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

ÉRUDIT

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, think-tanks, and other public interest groups.

Sofia | Concordia

su:"inquiry-based learning"

Sign in

Sofia discovery tool

Advanced search | Resources | Search history | Saved Items (0)

Sort: Best Match

Search Results Display

Expand This Search With

Library

- Libraries Worldwide
- Bibliothèques universitaires du Québec
- Concordia University Library
  - Webster Library
  - Vanier Library
  - Visual Collections Repository (VCR)
  - Special Collections

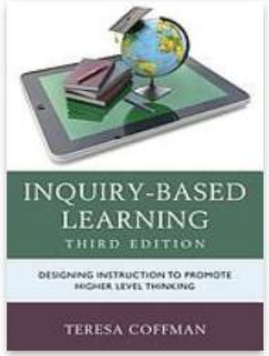
Format

All
Article (1.4K)
Book (74)

- Article, Chapter (1.8K)
  - Article (1.4K)
  - Downloadable Article (333)
  - Chapter (19)
- Book (74)
  - Print Book (51)
  - eBook (23)

1

Cite | Share | Save



Inquiry-based learning : designing instruction to promote higher level thinking

Authors: Teresa Coffman 1966- (Author)

Print Book 2017, Third edition.
Lanham, Maryland : Rowman & Littlefield, [2017]

Subjects:
Inquiry-based learning
Inquiry-based learning

Available
Concordia University Library, Webster Library - Books
LB 1027.23 C635 2017 | Locate

Worldwide Editions and Formats View All (3)

2

Cite | Share | Save

View eBook

Inquiry-based learning -- undergraduate research : the German multidisciplinary experience

Authors: Harald A Mieg (Editor)

eBook 2019
Cham, Switzerland : Springer Open, 2019.

Summary: This open access book provides a systematic overview of experiences with Inquiry-Based Learning (IBL) and undergraduate research (UR) in German universities, covering both research universities (Universitäten) and universities of applied sciences (Fachhochschulen). Divided into three parts, the book starts with the principles and common practices of IBL/UR

Show More

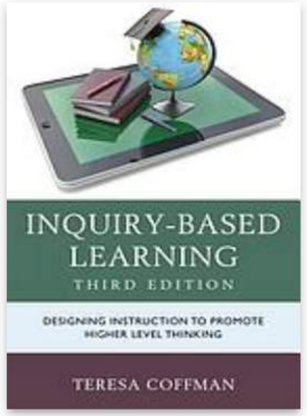
Subjects:

Sofia discovery tool

Look for subject headings to help with search terms

1

Cite | Share | Save



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Lanham, Maryland : Rowman & Littlefield, [2017]

More Author/Title Info:	Teresa Coffman.
Uniform Title:	Engaging students through **inquiry**-oriented **learning** and technology
Physical Description:	ix, 139 pages ; 24 cm
Contents:	Teaching with **inquiry**: an introduction -- Teaching and student **learning** using **inquiry** -- Integrating computer technologies as a cognitive tool -- Technology integration models -- Social media and collaboration -- Digital citizenship -- Information literacy -- Engaging in problem-**based learning** -- Global connections and telecollaborative **learning** -- Using technologies for assessment and feedback -- Engaging learners around **inquiry** with blended **learning**.
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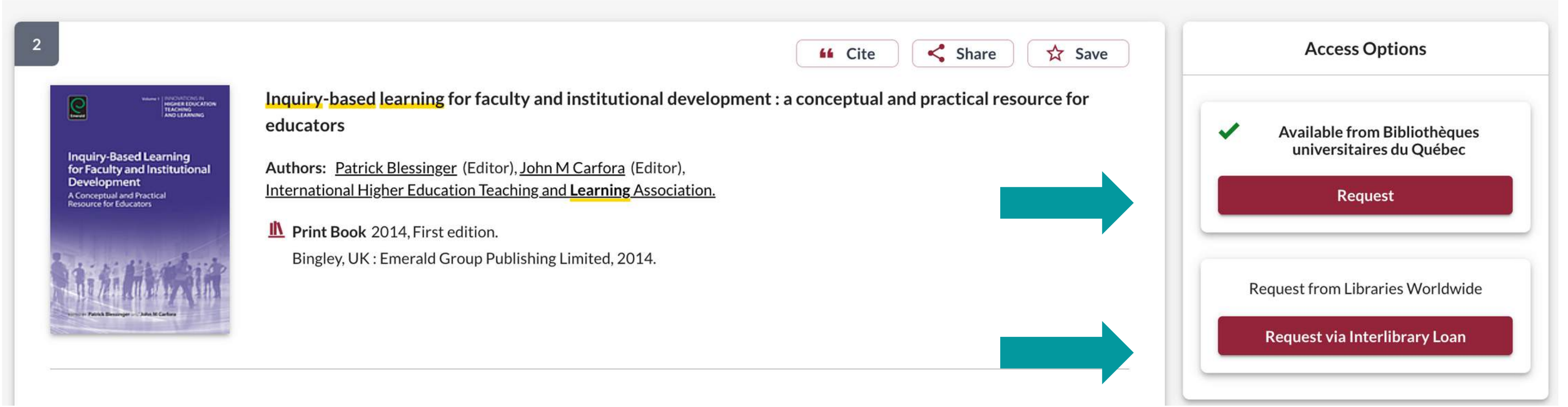

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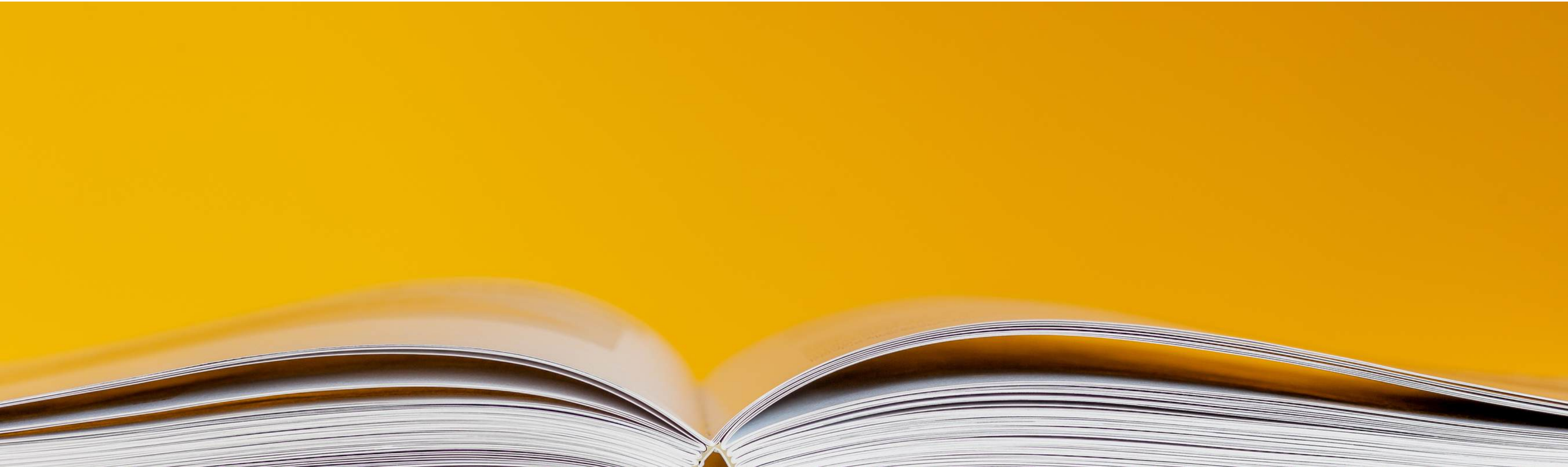

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