

Information Literacy and
Searching Process:
Theory and Practice

Columbia Univ.

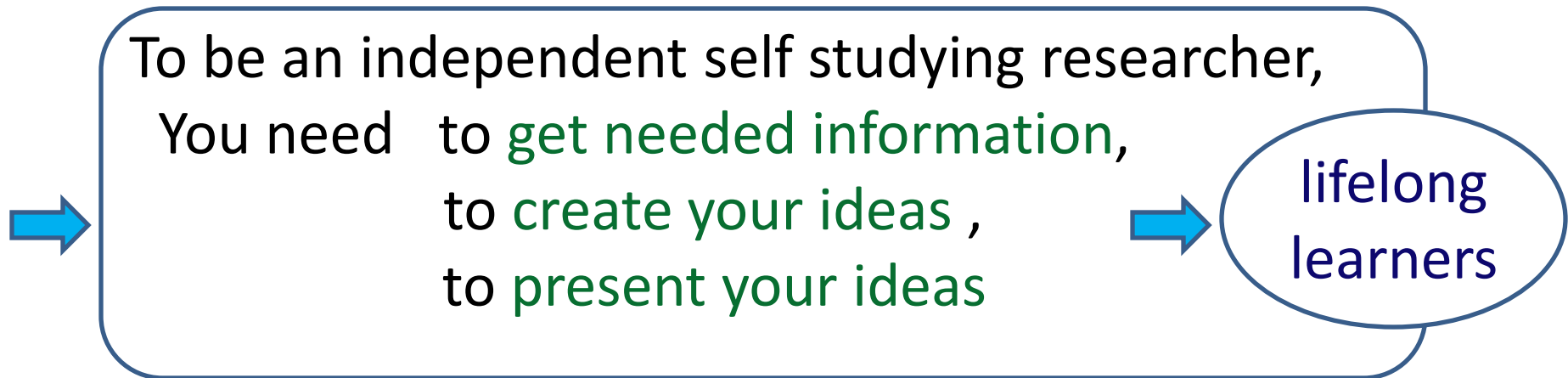
TC library

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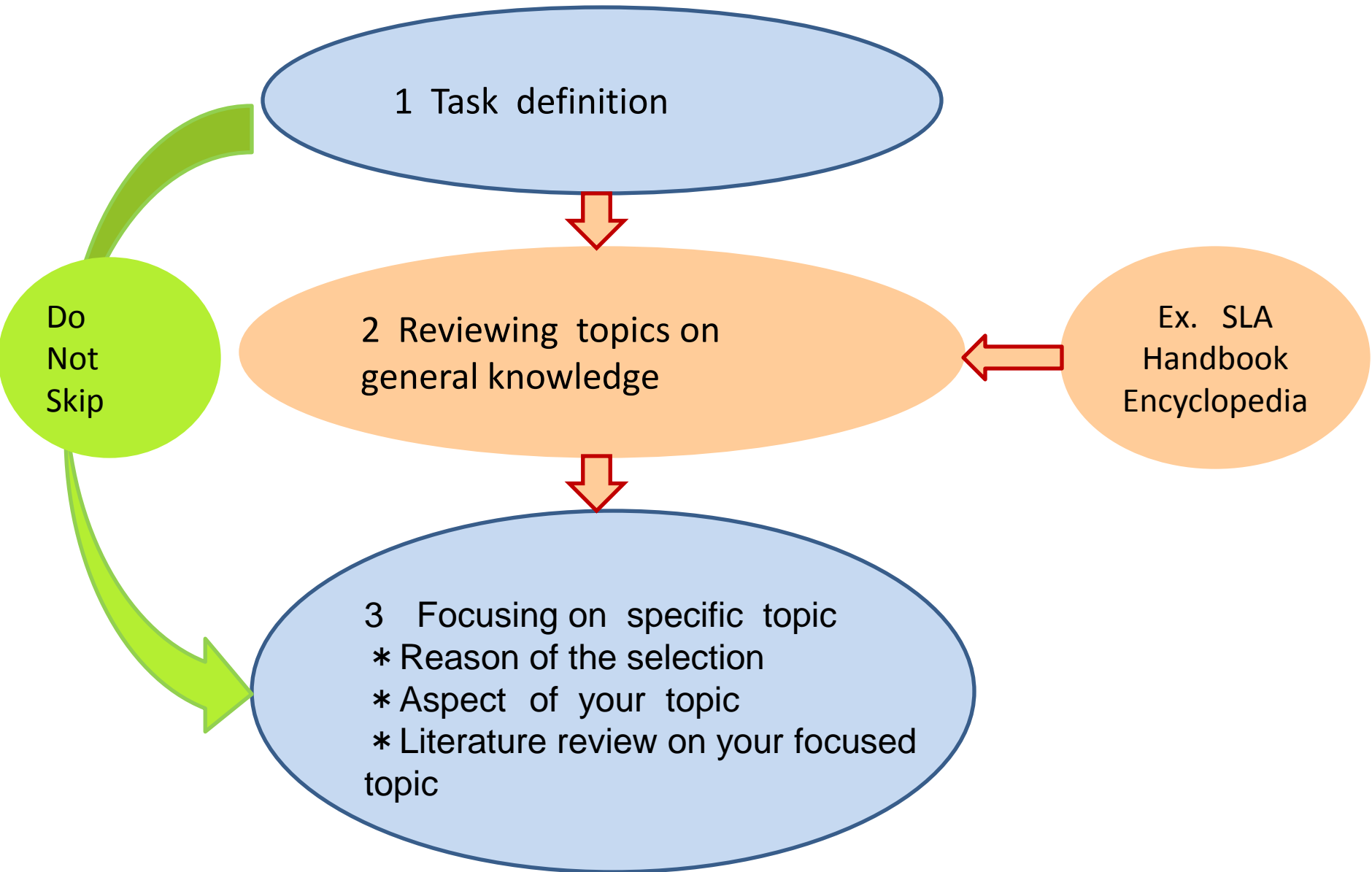
■ Information literacy and lifelong learners

Information literacy:

"To be information literate, a person must be able to recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information" [\(1989\). American Library Association'](#)



■ General topics to specific topics



■ Big 6 skills approach by Eisenberg & Berkowitz (1987)

Metacognitive scaffold or
an information problem solving strategy

1. Task Definition

1.1 Define the information problem

1.2 Identify information needed

2. Information Seeking Strategies

2.1 Brainstorm the range of all possible sources

2.2 Select the best sources

Big 6 skills approach by Eisenberg & Berkowitz

3. Location and Access

3.1 Locate sources (intellectually and physically)

3.2 Find information within sources

4. Use of Information

4.1 Engage (e.g., read, hear, view, touch)

4.2 Extract relevant information

Big 6 skills approach by Eisenberg & Berkowitz

5. Synthesis

5.1 Organize from multiple sources

5.2 Present the information

6. Evaluation

6.1 Judge the product (effectiveness)

6.2 Judge the process (efficiency)

Big6 skills model URL:

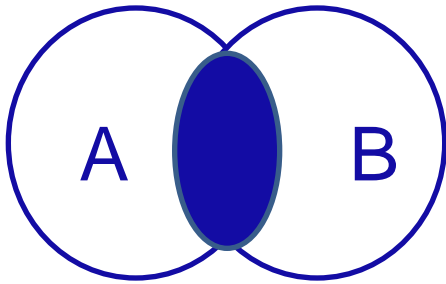
<http://www.big6.com/>

<http://www.big6.com/kids/>

■ What is the logic operation on searching ?

A AND B

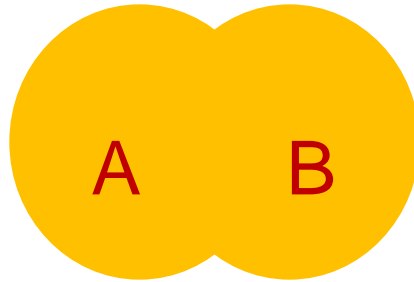
AND Operation



Matching
A & B

A OR B

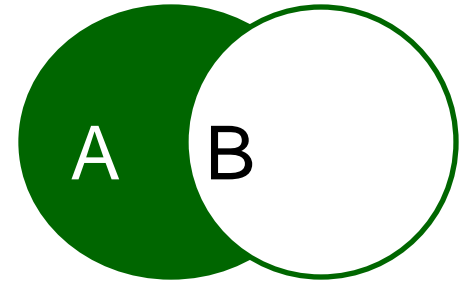
Logical Sum



Both
A or B are
contained

A NOT B

Logical Not



Without B

■ How to find the articles information through databases

Search ways	Field	Jou.	Doc.	Books	Univ. Bull.	Thesis/ Dis.	Full Text	Notes
ERIC	Education	○	○	○			△	Doc.paper
Google Scholar	All	○	○	○	○	○	△	Web resource.
Ingenta	All	○						Searching only free
E-TOPIA	Education				○	○	△	Tokyo Gakugei Univ.
CiNii	All	○	○		○		△	Japan TC JPN contract
JSTRO	All Need ID & Password	○					○	Non available for latest 5 years
Pro Quest	All Need ID & Password	○					○	

http://tc-japan.edu/Library/TC_Library.htm

△ It depends

■ TC OPAC Function

- * M.P. ()
- * Doc. ()
- * Jou. ()
- * A.V. ()
- * Course
- * General

<http://tc-japan.edu/Library/OPAC/newSearch/index.php>

- Q1 In order to confirm the material contents(**bibliography**), which items are **indicated** on the material contents?
- Q2 Which items do you need to **access** the material?
- Q3 If you **pick up** the textbook of course, which items do you need to check?

■ How to find the topic sample through MP

- | # | Procedures http://tc-japan.edu/Library/OPAC/newSearch/index.php |
|---|---|
| 1 | TC TOKYO OPAC |
| 2 | Change TYPE from keywords to MA project |
| 3 | Type in your keywords
ex. oral
(If you use over 2 words, please make a single space) |
| 4 | When you hit results, please notice the call number which locates MP number.
If you want to know data in detail, please click call number. |

■ Efficient way: To get the materials & articles

#	Procedures
1	TC Search OPAC for materials in TC library
2	Journal Holding for journal articles in TC library
3	Columbia Univ. N.Y.E-journal search (Needs ID and passwords)
4	NACISIS : Location of journals or materials in Japan's Univ.libraries.

http://tc-japan.edu/Library/TC_Library.htm