Information Search Process



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Model of the Information Search Process

Tasks	Initiation	Selection	Exploration	Formulation	Collection	Presentation
Feelings (affective)	uncertainly	optimism	confusion frustration doubt	clarity	sense of direction/ confidence	satisfaction or disappointmen
Thoughts (cognitive		ue		>focused	\	
(cognitive)			incre	ased interest	
Actions (physical)	seeking rele exploring		ation	·	seeking pertii documentii	nent information

Uncertainty Principle

Uncertainty is a cognitive state which commonly causes affective symptoms of anxiety and lack of confidence. Uncertainty and anxiety can be expected in the early stages of the information search process.

Uncertainty Principle

The affective symptoms of uncertainty, confusion, and frustration are associated with vague, unclear thoughts about a topic or question. As knowledge states shift to more clearly focused thoughts, a parallel shift occurs in feelings of increased confidence. Uncertainty due to a lack of understanding, a gap in meaning, or a limited construction initiates the process of information seeking.

Uncertainty Principle

Uncertainty initiates the process of information seeking

Corollary

Definition

Process

Formulation

Redundancy

Mood

Prediction

Interest

Constructing meaning

Forming a focused perspective

Encountering the expected and unexpected

Assuming a stance or attitude

Making choices based on expectations

Increasing intellectual engagement

Evidence of Process in Work Tasks

Task TypeRoutine TasksComplex TasksUncertaintylowhigh

Construction low high

Stages in the ISP low high

Criteria for Choices in the Information Search Process

Criteria Question

Task What am I trying to accomplish?

Time How much time do I have?

Interest What do I find personally interesting?

Availability What information is available to me?

Levels of Mediation

Level **Description** 1. Organizer No intervention self service search in an organized collection **Ready Reference Intervention** 2. Locator single fact or source search; query / answer 3. Identifier Standard Reference Intervention subject search: group of sources in no particular order;

problem / interview / sources

Levels of Mediation

Level

Description

4. Advisor

Pattern Intervention

subject search: group of sources in recommended order; problem / negotiation / sequence

5. Counselor

Process Intervention

constructive search: holistic experience; problem / dialogue / strategy / sources / sequence / redefinition

Levels of Education

	Level	Description
1	Organizer	No Instruction Self service search in an organized collection
2	Lecturer	Orienting Instruction Single session: overview of services, policies and location of facilities and collection; no specific problem
3	Instructor	Single-Source Instruction Variety of independent sessions: Instructions on one type of source to address specific problem

Levels of Education

	Level	Description
4	Tutor	Strategy Instruction Variety of independent sessions: Instructions on a variety of sources to address specific problem
5	Counselor	Process Instruction Holistic interaction over time: Instructions on identifying and interpreting information to address evolving problem

Zone of Intervention

That area in which an information user can do with advice and assistance what he or she cannot do alone or can do only with great difficulty.

Zone of Intervention

Problem self-diagnosed
Search self-conducted

Z2-Z5 Problem diagnosed through interview

a. Problem statement of request

b. Background – task, interest, time, availability

c. Diagnosis using theory base: Source or Process

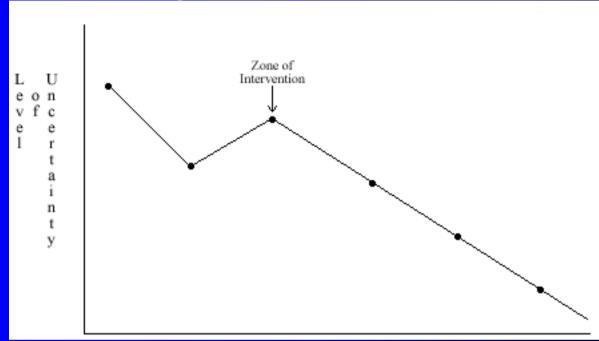
	Source		Process	
Z2	Right source	Z5	a. Dialogue	b. Explanation
Z 3	Relevant sources		c. Formulation	d. Construction
Z4	Sequence of sources		e. Learning	f. Application

Intervention Diagnostic Chart

Zone of Intervention	Levels of Mediation	Levels of Education	Intervention
Z1	Organizer	Organizer	Self service
Z2	Locator	Lecturer	Single Source
Z 3	Identifier	Instructor	Group of Sources
Z4	Advisor	Tutor	Sequence of Sources
Z5	Counselor	Counselor	Process Intervention

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Four Basic Information Literacy Abilities

Strategy	Definition
Recall	Remembering ideas from what has been gathered
Summarize	Organizing ideas in capsulized form and placing in meaningful sequence
Paraphrase	Retelling in one's own words
Extend	Fitting ideas into what one already knows to form new understandings

Strategies for Intervening in the Information Search Process

Ability	Definition
Collaborating	Working jointly with others
Continuing	Proceeding at more than one point in time
Choosing	Selecting what is interesting and pertinent
Charting	Visualizing ideas, issues, questions and strategies
Conversing	Talking about ideas for clarity and further questions
Composing	Writing to identify what is formulated and what is missing

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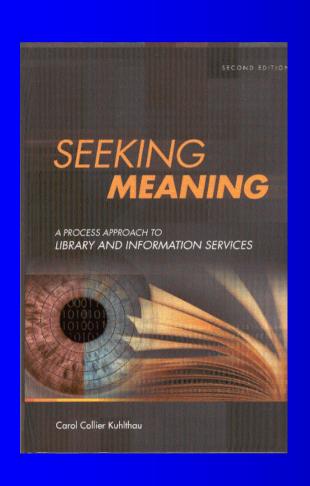
Primary Inhibitors

- Lack of time
- Confusion of roles
- Poorly designed assignments

Basic Enablers

- Constructivist view of learning
- Team approach to teaching
- Competence in designing process assignments
- Commitment to developing information literacy

Reference



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