

Learning in Communities of Inquiry: A Review of the Literature

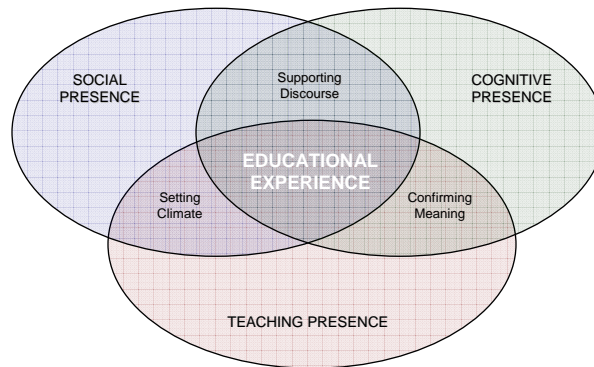
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Overview

Learning in Communities of Inquiry (CoI)

How much?	A lot
What?	Factual information
How?	Didactic instruction, independent activities

Community of Inquiry



Communication Medium

Methodology

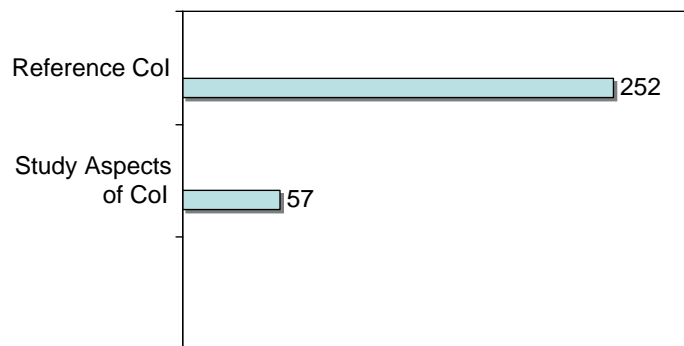
- Research synthesis (Ogawan & Malen)
- Databases:
 - Proquest Dissertations and Theses
 - Google Scholar
 - Col website

Did *NOT* Include

- non-Col
 - articles on *e* or *b*-learning outside of Col
- Learning processes
 - Content analysis of cognitive presence is not a measure of learning

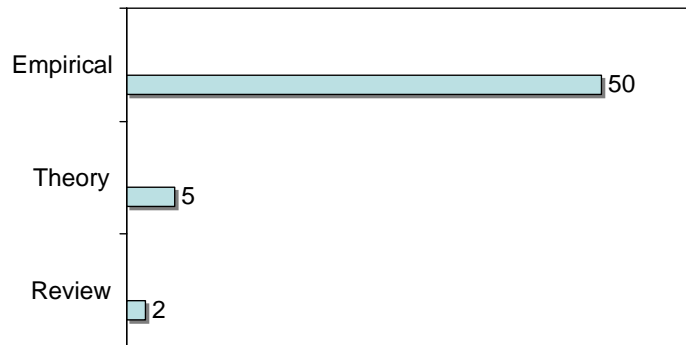
Findings

Researching the Col 2000-200



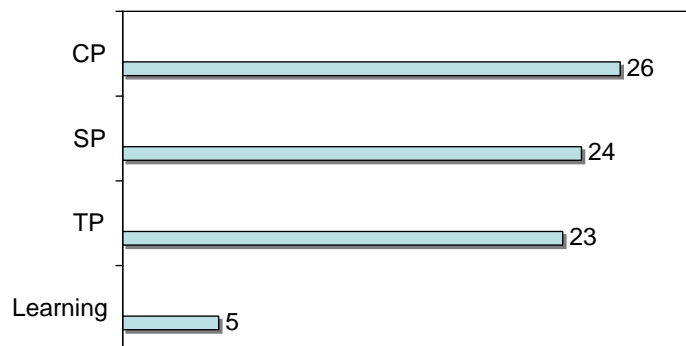
Findings

Reports x APA Type



Findings

Empirical Reports by Col Aspect



1. Richardson & Swan (2003)

- “My level of learning that took place in this course was of the highest quality” 4.7/ 6
- Highest for individual projects and written assignments
- Lowest for class discussion and group projects

2. Shea, Li, & Pickett (2006)

- “Overall, I learned a great deal in this course”
- Mean = ?
- $r_{\text{perceived learning, TP}} = .43 - .46$

3. Akyol & Garrison (in press)

- “I learned much in this course”
- $r_{\text{perceived learning TP}} = 0.55$
- Mean = ?

4. Hobgood (2007)

Learned from peers	No
Quality of learning improved by online discussion	No
Broadened my knowledge of subject	Yes
Ability to integrate facts improved	No
Ability to develop generalizations improved	No

Synthesis of Learning in Col

How much?	A lot
What?	Low level, factual information
How?	Didactic instruction, independent activities

Problems (3)

1. Col as a research program
 - Few robust studies of learning
 - Self-report as a measure of learning
 - These self-reports as measure of learning in Col

Solutions

- Self-reports via surveys:
 - Rovai, Hobgood, Arbaugh
- SOLO taxonomy
 - Kanuka, Schrire, Meyer
- Concept-mapping
 - Hay (2007)
- Test blueprinting

Problems: Col as Model of E-learning

Study	Trig	Ex	Int	Res
Vaughan (2005).	8	61	16	1
Stein, D. (2007)	16	52	28	4
Garrison (2001).	8	42	13	4
Schirire (2004).	14	41	33	9
Kanuka (2007)	11	53	26	10
McKlin (2001).	3	39	9	1
Fahy (2002).	13	63	19	6
Mean	10%	50%	21%	5%

Problems: Col as a means to deep and meaningful learning

Deep Learning	Col
Reduce workload	Increases workload
Confront misconceptions	Little critical discourse
Student assessment	Grades for participation

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