When School is Work: Learning Goals for Education PhD Students

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Theoretical Framework

- Workplace information literacy (Lloyd, 2004, 2013)
- Goal-setting theory (Locke & Latham, 2002; Schunk, 1990)
- Metaliteracy (Mackey & Jacobson, 2014)
- Self-efficacy (Bandura, 1977) and information literacy self-efficacy (Bronstein, 2014; Kurbanoglu, 2003)
- Mixed Methods (Creswell, 2015)

Research Questions

- What issues motivate graduate students to further their own information literacy practices?
- How can librarians teaching adult learners or graduate students make use of students' life experiences and goals to increase motivation during information literacy sessions?
- And how can information literacy instructors use learning goals as a motivational teaching tool?

Research Design

Explanatory sequential mixed methods design with interventions



Data

- Structured reflections and learning goals from PhD students in education
 - Pre-activity learning goal setting
 - Mid-semester check-in
 - Post-activity goal setting reflections
- Information Seeking Self-Efficacy Scale (IRSES) (Bronstein, 2014)
- Brief focus group to reflect on self-set learning goals & the evolution of their information literacy practices

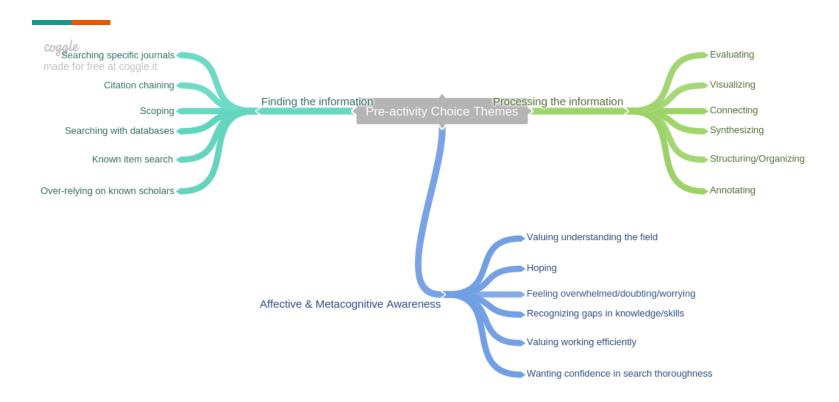
Context

- First and second year PhD students in education, math and science curriculum and instruction track
- Most are former educators
- Students' career aspirations included tenure track positions, research positions or the ability to continue doing original research, and curriculum development work
- Three research workshops during spring semester

Workshop Content

First Workshop	 Goal: Help students quickly scan literature, gather background research, identify gaps for them to contribute Work on keywords, review subject headings
Second Workshop	 Goal: Processes Comprehensive searching and tracking literature including citation chaining, citation managers, notetaking and organization
Third Workshop	 Goal: Synthesis Discuss synthesis in literature review. Librarian and instructor facilitate discussion on students' research processes, what students perceive they still need to learn, revisiting their self-set goals

Pre-Activity Themes



IRSES Results (n=8)

Bandura's Dimension	Pre test Min	Pre test Mean (Std.)	Pre test Max	Post test Min	Post test Mean (Std.)	Post test Max	Mean Difference (Std.)	t	p
Self Evaluation	2.9	3.4 (.4)	4	2.8	3.8 (.6)	4.2	-0.32 (.4)	-2.4	0.0502
Comparisons	1	2.2 (.8)	3.3	1.3	2.5 (.9)	4	-0.28 (.3)	-2.3	0.0514
Physiological	1	2.5 (1.1)	4	1	2.7 (.9)	3.6	-0.25 (.7)	-0.97	0.3656
Social Comparisons	1.8	2.7 (.5)	3	2	2.9 (.5)	3.6	2	-1.9	0.1036

Post-Activity Themes:

Metacognition

"Setting goals got me thinking about what I have been doing well, what has been working for me, and mainly, what tools are out there that I hadn't even been trying to access."

Post-Activity Themes:

Changes to approaches/behavior

"I am more comfortable with my search options, not limited to Google Scholar, and following trails from one paper to another. I really liked options you presented us for visually organizing our literature, like Coggle, even if I do mainly use notecards still."

Post-Activity Themes:

Establishing Goals

"I think the process of setting the goals, and remaining aware of them during this semester, has made me more cognizant of what resources are available, even if I don't feel that I gained a great deal of additional skill for using those resources. Just being more aware of their existence means I'm in a better place to know what to seek help with in the future."

Talk about learning vs. performance goals

Help students set superordinate goals with specific sub-goals

Make sure goals are important to students

Check in regularly about goals and allow for revision. If time, offer personalized suggestions or strategies for each student.

Discuss expectations of efficiency and affective upsand-downs

Remember IL is a social practice

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