

Walking the Talk:

Signature Pedagogies and Metateaching

in Graduate-Level Education Courses

8: Friday, May 16 11:30 – 12:30 Katrin Becker





Overview

- Who AM I?
- What are Signature Pedagogies?
- The Usual Scenario in M.Ed.
- Who are M.Ed Students?
- Going Meta
- Cants
- A Few Examples









Lee Shulman:

"the types of teaching that organize the fundamental ways in which future practitioners are educated for their new professions (2005, p. 52).



Signature Pedagogies

surface structure

concrete, operational acts of teaching and learning

implicit structure.

beliefs about professional attitudes, values, and dispositions

deep structure

assumptions about how best to impart a certain body of knowledge and know-how



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http://doc.med.yale.edu/historical/cushing/career.html

Medicine



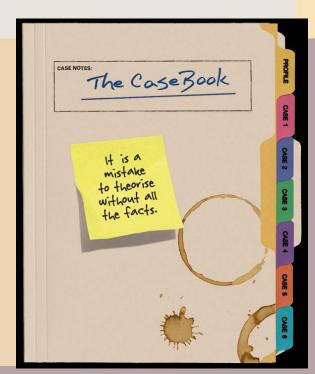
http://www.ruralhealth.unimelb.edu.au/Study/MD%28Graduate%29/MD%20_RCS/student%20feedback/index.html





http://lawmindscience.wordpress.com/2011/03/27/a-proposal-for-the-use-of-psychodrama-in-law-school/

Law





Distinctive - to that profession

Pervasive – across courses & institutions

Computer Science ————— Programming

Chemistry — Lab Work

Drama Theatre

Music Composition / Performance

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The Usual Scenario in M.Ed.

Many M.Ed. programs claim to incorporate signature pedagogies in their programs, which often include approaches such as inquiry-based, case-based, and problembased learning, communities of learners, and more.



But Do We Really?



What do our students usually DO?

What usually happens in our classrooms?

How do our students usually get assessed?

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The Usual Scenario in M.Ed. The Learner View

RECEIVES





Read

GIVES



Research **Proposals**

Readings & Responses

Ethics Applications

Topical Presentation



The Usual Scenario in M.Ed. The Instructor View GIVES

Purveyor of Knowledge Discussion Leader/Host



RECEIVES

Papers
heavy emphasis
on citations

Project

PPT / Prezi Presentations on a Topic

Short Writings



Signature Pedagogies

surface structure

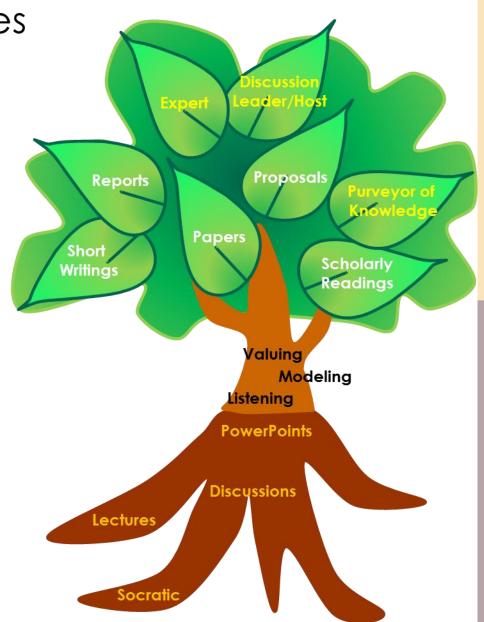
concrete, operational acts of teaching and learning

implicit structure.

beliefs about professional attitudes, values, and dispositions

deep structure

assumptions about how best to impart a certain body of knowledge and know-how





The Usual Scenario in M.Ed.

What does our pedagogy reveal, intentionally or otherwise, about the habits of head, hand, and heart as we purport to foster through our disciplines?"

Habits of Mind

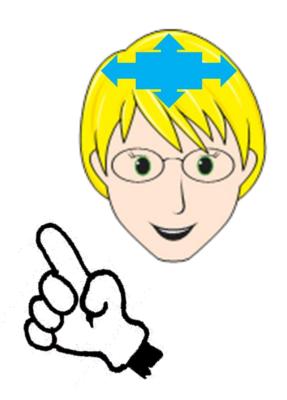
content

Habits of Hand

skills

Habits of Heart

values







Learning TO BE vs Learning ABOUT



Is there, or should there be, a consistent connection between a way a discipline creates or discovers new knowledge and the way it apprentices new learners?

(Ciccone, 2009, p. xii).

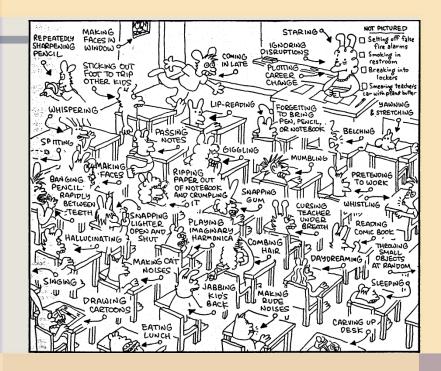


Who are M.Ed Students?





Learning TO BE vs Learning ABOUT



Is there, or should there be, a consistent connection between a way a profession is <u>practiced</u> and the way it apprentices new learners?



How We See the World



To a (an)

Everything is a(n) ...

Computer Scientist Algorithm.

Musician - Song.

Writer

Story.

Thespian

Play.

Film-maker

Movie.

Set Designer - Set.

Educator - LESSON.





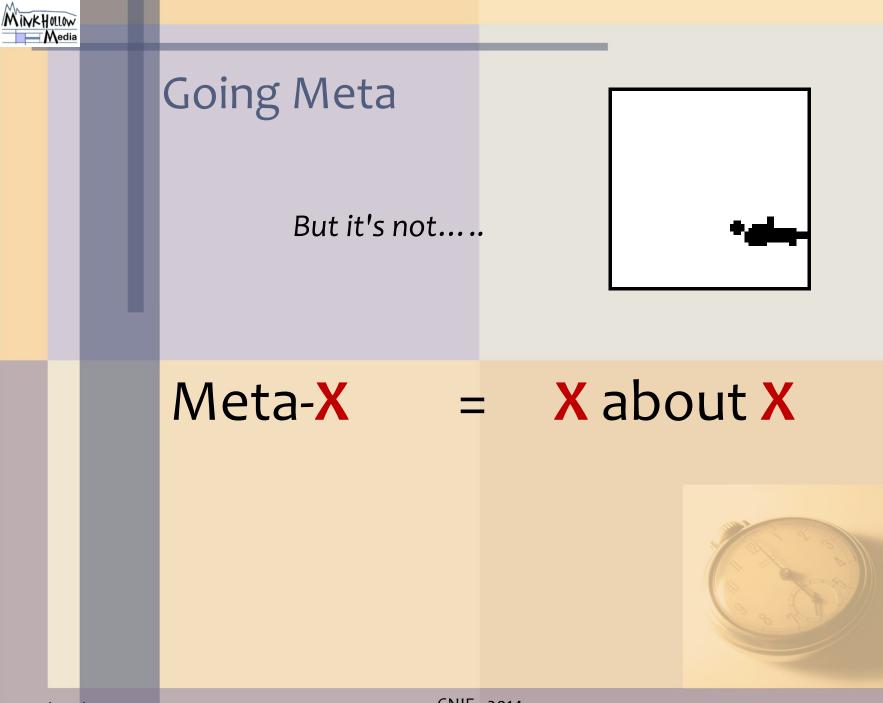


Given that metacognition is thinking about thinking,

Metateaching has been defined as thinking about teaching.

(Timpson 1999)

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So, if metacognition is thinking about thinking,

and a meta-language is a language about languages,

then meta-teaching is in fact:

teaching about teaching.

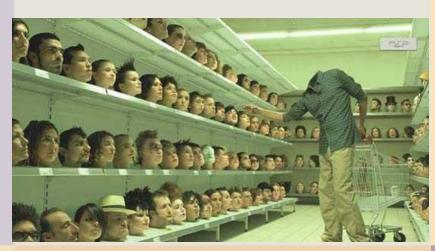






Teacher education is unique among disciplines in that we are doing what we are teaching.





If we combine this with notions of signature pedagogies

and

the idea that we should be modeling what we are teaching,

then what does this mean at the graduate level?



WARNING:



The following contains opinions and suggestions that some may find distasteful.



Bjarne's Can't



"[Y]ou can't teach what you don't practice

• • •

and therefore don't understand."

Bjarne Stroustrup

http://cacm.acm.org/magazines/2010/1/55760-what-should-we-teach-new-software-developers-why/fulltext



.... and other Cants

cant:

- hypocritical and sanctimonious talk, typically of a moral, religious, or political nature.
 "the liberal case against all censorship is often cant"
- denoting a phrase or catchword temporarily current or in fashion.

"they are misrepresented as, in the cant word of our day, uncaring"

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What We Teach

vs How We Teach

Variety of Sources

New Media

Innovation

Embracing Change

Scholarly Papers

Textbooks

Traditional CMS

PPT

MSOffice

Discussion

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What We Preach

vs What We Assess

Authentic Experiences

New Theories & Models

Active Learning

Just-in-Time

Personalization

Leading by Example

Presentations

Papers

Blog Posts

Reflections





Example: A DGBL Course, Gamified





												Ш	U	L	.ea	lae	;r	008	arc										
We	ek	1	2	2	3	3	4	4.1	5	6	7	7.5	8					11	11	12	12	13	13	14	14	14.5	End Game		
(dat	ed)	Sept 12	Sept 18	Sept 21	Sept 23	Sept 27	Sept 30	Oct. 3	Oct 7	Oct 14	Oct 21	Oct. 24	Oct 28	Oct. 31	Nov 4	Nov. 6	Nov 11	Nov. 15	Nov 18	Nov 21	Nov 25	Nov 28	Dec 2	Dec 6	Dec 9	Dec 13	Dec 22	FI	NAL
Curre		30	34	45	48	61	64	77	92	100	114	142	168	189	204	231	274	286	319	339	375	459	472	493	497	569	690	GF	RADE
where	you '	ΧP	40	50	80	110	150	175	200	270	340	370	400	435	470	500	540	580	620	660	700	740	780	820	850	850	1000+		
should	l be L	evel	0	0	0	0	0	0	1	1	1	1	2	2	2	3	3	4	5	5	8	8	10	10	12	12	13		
1		40	50	71	71	99	99	135	231	231	235	369	429	459	459	577	722	722	769	769	824	916	936	952	952	956	1165	A+	1,165
2		40	40	50	55	95	95	134	164	170	231	280	325	350	447	509	622	647	716	726	794	903	903	903	923	952	1127	Α+	1,127
3		30	40	50	50																								1,044
4		30	40	50	50	71																		870					1,003
5		30	30	50			75																	789		890			956
6		30	30	49	50	67	71	89	99															767			925	Α	925
7	_	20	30	40	50	65	69	87	99															630		789	924	A	924
8	_	20	30	40	50 49	50 50	67 65	67	97 70	99 97	97													527 475		695 638	890 853	A	890 853
10			30	40	49	50	60	65	67	67	67	85												428		603	769	A B	769
11			20	40	40	50	50	50	65	65	66	81	85			103		103		189					328	413	551	D+	551
12			20	40	40	50	50	50	50	50	65	67	67	85	85	85	85	85	85	124				267		349	530	D	530
13				40	40	40	50	50	50	50	58	58	58	67	67	67	75	75	85	85	172			264		267	374	F	374
14				30	30	30	47	47	47	47	50	50	50	60	60	60	67	67	58	85	85	134	134		134	264	349	F	349
15				•	•		30	40	40	40	40	40	40	58	58	58	58	58	50	58	85	85	85	85	85	85	178	F	178
16	3						20	37	37	37	37	37	37	50	50	50	50	50	37	50	50	85	85	85	85	85	85	F	85
17	7							20	37	37	37	37	37	37	37	37	37	37	0	0	0	0	0	0	0	0	0	F	0

Avatar	<your avatar=""></your>	Max Count	Max Score
	Totals		
pic Qu	est [Guild]		
1.00	IGNITE Presentation	1	200
Achieve	ment Quests [Solo : Do at least 4]		
2.01	One - Two Minute Minute Pitch	1	50
2.02	Profiling Mission	1	50
2.03	A.I. Mission (Chicken Paper)	1	50
2.04	Excel Game/Sim	1	50
2.05	Data Analysis Mission	1	50
he Gar	ne [Solo Standard & Mini Quests]	53	
3.01	Timed Quest [Posting A self-Introduction]	1	20
3.02	Persuasion Quest [Editorial Response/Reflection]	4	20
3.03	Defend Quest [Respond to someone else's comment	10	10
3.04	Talk To Quest [Comment on a post made by another	5	10
3.05	Collection Quest [Create a class poll.]	4	25
3.06	Craftskill I [Create an Avatar]	2	10
3.07	Craftskill II [Screencapture]	5	10
3.08	Craftskill III [Image Editing]	4	15
3.09	Delivery Quest [Out of Class Mission]	4	10
3.10	Discovery Quest [IN Class Mission]	4	10
3.11	Interact Quest [Create a LinkedIn account]	1	25
3.12	Test of Lore [Quiz]	5	10
3.13	Turn-In Quest [QIC - Form]	4	25
oss Ba	ttle [The Final]		
	Boss Battle (a.k.a. Final Exam)	1	250



For this component you are asked to choose from among various challenges. In order to 'win' you must complete sufficient challenges to

The challenges are designed to help you consolidate and expand your growing understanding of the potential and process of game based learning, including agmification. Challenges will be alloted values point values, depending on their level of difficulty and the quality of the work produced. Some items will be courted as develocit done, while others may be allotted a range of points based on quality. The instructor (a.k. a. W pulperstands) determines the level of quality of each compiled challenge.

There are some challenges that MUST be attempted ¹⁰ in order to earn your final grade, but there is no limit to the number of challenges / goals any one participant may achieve - i.e. less than full points on any one challenge simply means you will have complete an additional challenge if you want a full score.

Possible Challenges

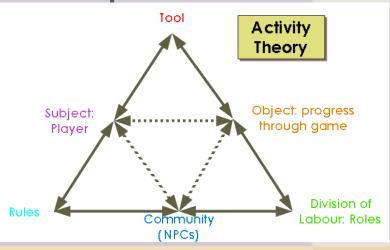
Item	Points	Maximum #	Details
		of Items	
1	20	2	Posting Pre-Course Game Review in a form accessible to class members.
2	5	5	Annotating resources provided by the instructor.
3	10	10	Contributing new annotated resources.
4	25	2	Posting an editorial response to a news item, blog post, or other article.
5	25	2	Writing a critical review of a research or development project conducted by others.
6	15	2	Writing a blog entry.
7	5	10	Adding meaningful comments to the posts, reviews, resources, etc. of other participants.
8	5	10	Rating course resources (either instructor or participant contributions).
-?	TBD	?	Other challenges as appropriate.

GRADE & GPA Table (Used to calculate student grades on the Gradebook sheet)											
Score	Letter Grade	GPA	XP	Level							
0 - 19	F	0.00	0 - 199	0							
20 - 39	F	0.00	200 - 399	1							
40 - 49	F	0.00	400 - 499	2							
50 - 54	D	1.00	500 - 549	3							
55 - 59	D+	1.70	550 - 599	4							
60 - 62	C-	1.70	600 - 629	5							
63 - 66	С	2.00	630 - 669	6							
67 - 69	C+	2.30	670 - 699	7							
70 - 72	B-	2.70	700 - 729	8							
73 - 76	В	3.00	730 - 769	9							
77 - 79	B+	3.30	770 - 799	10							
80 - 84	Α-	3.70	800 - 849	11							
85 - 94	Α	4.00	850 - 949	12							
95 - 100	A+	4.00	950 - 1000	13							
101+	A+	4.00	1001+	14							

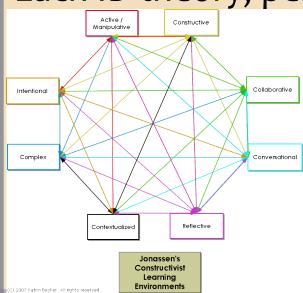
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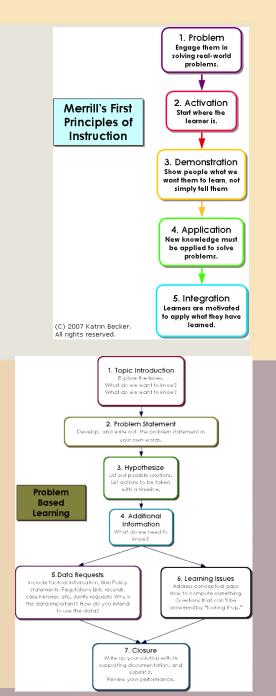


Example: An ID Course



Each ID theory, personified.







Example: A Digital Content / Media

Course









Where the instructor uses the tools

discussed.



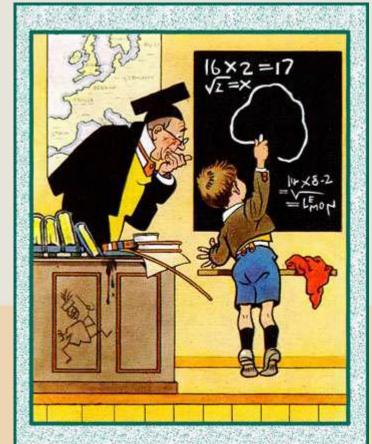






What About....

Collaborative Culture
Assessment
Counselling
Educational Leadership
Curriculum
STEM Education







Thanks!



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Abstract

Many M.Ed. programs claim to incorporate signature pedagogies in their programs, which often include approaches such as inquiry-based, case-based, and problem-based learning, communities of learners, and more.

Teacher education is unique among disciplines in that we are doing what we are teaching. Metateaching has been defined as thinking about teaching (Timpson 1999), but if metacognition is thinking about thinking, and a meta-language is a language about languages, then metateaching is in fact *teaching* about teaching. If we combine this with notions of signature pedagogies and the idea that we should be modeling what we are teaching, then what does this mean at the graduate level?

It means that graduate instructors should themselves be modeling what they are teaching. Wouldn't signature pedagogy in education be one that actually implements the theories and models being studied in order to teach those same theories and models? Shouldn't it be one that employs experimental designs and invites the students (most of who are teachers) to examine the course design as it's being taught? Wouldn't it make sense to have the students have input into the design and/or teaching?

This presentation will examine the common approach to teaching graduate level education courses - the seminar - and suggest an alternate approach that uses the theories and models being taught and where the teaching methodology matches the kind of work the participants will do when they graduate.



Resources

- Shulman, L. S. (2005). Signature Pedagogies in the Professions. Daedalus, 134(3), 52-59. doi: 10.2307/20027998.
- Timpson, W. M. (1999). Metateaching and the instructional map. Madison, Wis.: Atwood Pub.
- Gurung, R. A. R., Chick, N. L., & Haynie, A. (2009). Exploring signature pedagogies: approaches to teaching disciplinary habits of mind (1st ed.). Sterling, Va.: Stylus Pub.

