Reflection Teaching: A Valuable Tool for Teaching, Learning and Professional Development

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Reflection 200

There is an art of which every man should be a master the art of reflection. If you are not a thinking man, to what purpose are you a man at all?

William Hart Coleridge

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Reflection Opportunities

- >Enhance student learning
- ➤ Enhance professional development as an academician
- Continuous professional development as a clinician/practitioner

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By three methods we may learn wisdom:
First, by reflection, which is noblest;
Second, by imitation, which is easiest; and third by experience, which is the

Confucius

bitterest.

Importance of Reflection in our Teaching Activities

- One of our most important pedagogical goals:
- Develop inquiry and metacognitive expertise
- Transform our students, their learning tools and classroom environment into a self-aware, selfimproving systems

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Teaching Process

- > Exploring Teaching -- "Shall I Teach?"
- Academic Preparation—— "What Shall I Teach?"
- Understanding Learners -- "How Do Students Learn?"
- > Organizing for Teaching -- "How Shall I Teach?"
- Schooling and Cultural Context--"Why Do We Teach?"

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Reflection to Enhance Student Learning

- ➤ Can be visualized as an constructivist approach
- >Ethic of caring
- > Helps our students to seek connections between theory to practice.
- Our students are can be viewed as student as "thinker, creator, and constructor

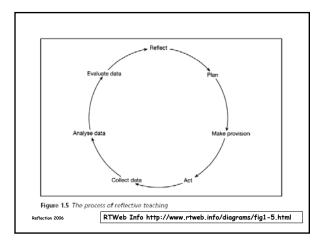
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Reflective Teaching

Responsibilities of the Educator

- Create an environment for creative problem solving
- > Decisions
 - >What decisions should I be making?
 - >How would I make these decisions?
 - >How can I enhance student learning in this process?
 - >What is the thought process that students should understand?

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Student Goals Reflective Teaching



- Understanding the importance of key assumptions
- Developing the thought processes needed for problem solving in a particular environment
- Understanding the impact of their beliefs and values in decision making
- Using the best method to demonstrate the thought process

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Think-Pair-Share Activity

Reflect upon the following questions as they related to a particular class you have taught recently on the provided sheet.

- What are the key assumptions that were critical to student understanding of the topic?
- What thought processes were you trying to teach your students during this class?
- What would be the best pedagogical approaches to demonstrate this thought process?

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"If we are to become more effective teachers, we need to become more reflective teachers. To be reflective we need to articulate our theories of learning, critically examine them and replace those parts which, we suspect or, better still, can show do not work.

J.Webb. 1996

http://www.ukcle.ac.uk/resources/reflection/you.html

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Enhance Professional Development as an Academician

- Using reflection allows us to learn from our experiences
- Using reflection allows us to explore our own backgrounds, beliefs, assumptions, knowledge, attitudes, values and social setting as it relates to the complexities of our teaching.
- Using reflection allows us to articulate our theories of learning, critically evaluate how these are working and to use this information to better enhance our skills as educators.

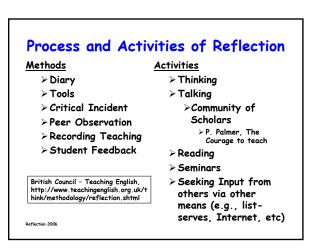
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Enhance Professional Development as an Academician Recognizing + Reflection means Examining + the way we teach. 2006 ProDAIT Professional Development for Academics involved in Teaching http://www.prodait.org/t eaching/critical_teaching/i ndex.php

Enhance Professional Development as an Academician States of professional of professional development RTWeb Info http://www.rtweb.info/diagrams/fig1-1.html

Levels of Reflections Adapted from Zeichner and Liston, 1996 Rapid - Immediate and Automatic, often while teaching, constantly and often done privately. Repair - Thoughtful, Decision to alter behavior based upon student clues Review - Less formal, Done a a particular point in time, Teacher writes, thinks, discussions on some element, Collegial and interpersonal ProDAIT: Reflection 2000 http://www.prodait.org/teaching/critical_teaching/levels.php

Levels of Reflection Adapted from Zeichner and Liston, 1996 Research - More systematic review, over a period of time, Thinking and observation on a particular issue over time, Examples include action research, exploratory practice, teaching journal Retheorizing and Reformulating - Long term, Informed by public academic theories, More rigorous, Examine practice theories and consider in light of academic theories ProDAIT: http://www.prodait.org/teaching/critical_teaching/levels.php



Available Forms

- Teacher Behavior Inventory Want to know about the nuts and bolts of your classes, How you can be more effective
- Classroom Environment Inventory Why does the class not seem to be with you?, what type of learning environment do the students want?
- Instructor Self-Evaluation Form How do you teach, are you burnout?

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Sample - How Do You Teach? Handout

- How do you begin and end class?
- > What do you do with your hands?
- Where do you stand or sit?
- When do you move to different locations
- Where do you move?Where do your eves mos
- Where do your eyes most often focus?What do you do when
- What do you do when you move from one section to the next?

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- When do you speak louder or softer?
- When do you speak faster or slower?
- Do you laugh or smile in class
- How do you use examples?
- How do you emphasize the main points?
- the main' points'?

 What do you do if
 students are inattentive?
- Do you encourage student participation in class?
- How do you encourage student participation in the class?

Instructor Self Evaluation Handout

- Office of Instructional Resources, Measurement and Research Division, University of Illinois
- > Handout
- > Four scales
 - > Adequacy of Classroom Procedures
 - Enthusiasm for Teaching and Knowledge of Subject Material
 - > Stimulation of Cognitive and Affective Gains in Students
 - > Relations with Students

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Critical Incident Analysis

- Defined as a problem or challenge in a particular context, rather than a routine occurrence
 - >Can occur in a specific module or class
 - >Can be something in student behavior
 - >Students arriving late, talking in class, difficult to get students involved in class discussions
 - Frame incidents as questions to better our understanding

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ProDAIT http://www.prodait.org/approaches/cia/

Critical Incident Process

- Identify the incident you wish to reflect upon (for example one teaching session).
- 2. Write down what you intended to do in the session.
- 3. Write down what actually happened.
- 4. Write down how you feel about this and why you think you the session evolved as it did.
- Identify ways in which you could approach the session differently next time
- 6. Repeat after each session or fortnightly to get a picture of the way in which the course develops. This approach helps you to see the progression of the course through the eyes of your students.

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ProDAIT http://www.prodait.org/approaches/cia/

To become an able and successful man in any profession, three things are necessary, nature, study and practice.

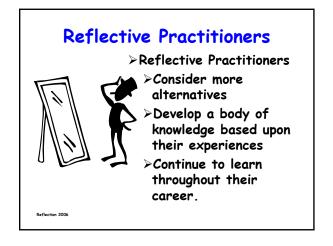
Henry Ward Beecher

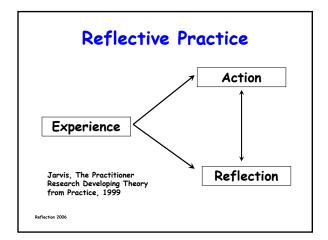
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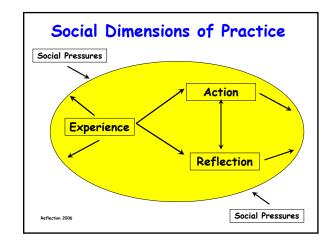
Reflective Practice

- ➤ DA Schön (1966) Defines this term as "thoughtfully considering one's own experiences in applying knowledge to practice while being coached by professionals in the discipline"
- > Mentoring process is essential
- Critical element for continuous professional development (CPD)
- Concept of a Practitioner-Researcher or Teacher-Educator-Researcher

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Reflective Practitioners Engage in Reflective Research

Schön (1983)

- These practitioners can be involved in a process of:
 - >Individual and Subjective Research
 - >Ephemeral Events
- Allows for a process of gathering information, researching their own practice and enhancing their professional practice

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Process for Reflective Research

- Frame Analysis aware of their frames and become aware of alternatives that can lead to further reflection in their practice.
- Repertoire-Building
 Research
 - accumulating and
 describing useful examples
 of reflection (e.g., case
 studies).
- Research on Fundamentals Methods of Inquiry and Overarching Theories examine episodes of practice that leads to ways of thinking and seeing and action science for unique situations.
- Research on the Process
 of Reflection in Action by understanding practice
 you can restructure your
 practice.

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Ways for Practice Improvement

- > Ways to study processes of ephemeral phenomenon in practice
 - > Case Studies
 - >Action Research
 - > Collaborative Research
 - > Documents and Documentation
 - >Small Scale Surveys
 - >On-line reflections
 - **≻Blogs**



Learning is not attained by chance. It must be sought for with ardor and attended to with diligence. Abagail Adams



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Web Sites

- > UK Centre for Legal Education
- http://www.ukcle.ac.uk/resources/reflection/what.htm
- > National Capital Language Resource Center, Washington, DC http://www.nclrc.org/essentials/whatteach/reflect.htm
- > RTWeb Info
- http://www.rtweb.info/
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 - > http://www.prodait.org/teaching/critical_teaching/index.p
- 2006 ProDAIT Professional Development for Academics involved in Teaching
 - http://www.prodait.org/teaching/critical_teaching/index.p
- > Reflective teaching: Exploring our own classroom practice
 - http://www.teachingenglish.org.uk/think/methodology/reflection.shtml
- > Reflective Practice and Professional Development.ERIC Digest http://www.ericdigests.org/2001-3/reflective.htm

Excellent References

- > Available from ProDAIT
- Critical Reflections on Learning
 - >http://www.prodait.org/resources/C R%20on%20Learning.doc
- >Critical Reflections on Teaching
 - >http://www.prodait.org/resources/C R%20on%20Teaching.doc