

Engaging in the Scholarship of Teaching and Learning (SoTL)

A Collection of SoTL Resources

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An Outline of Useful SoTL Ideas and References
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The following references represent one lens for viewing the Scholarship of Teaching and Learning (SoTL). The resources provided here are not meant to be authoritative or fully comprehensive, yet they provide a broad view of SoTL work. This list of topics/ references grew out of a conference session I led at the *NC State Undergraduate Assessment Conference* (April, 2006) and a plenary address I delivered as part of *Elon University's Innovation in Instruction* conference (August, 2006). Both had the title, "Why SoTL, Why Now?"

The outline below begins by placing SoTL in a particular context – responding to external calls for greater accountability and thinking of SoTL as an opportunity to help shape the accountability discussion – and then provides a variety of useful SoTL resources that cover the gamut of SoTL, from its beginnings as a recognized area of study to current publishing outlets. The outline ends by returning to the initial questions, Why SoTL? Why Now?, and references a powerful piece by Lee Shulman, current president of the Carnegie Foundation for the Advancement of Teaching, that makes the case for casting SoTL as a moral responsibility.

1. Depictions of Higher Education in the Media – Underachieving Universities

Hersh, Richard H. and John Merrow (eds.) (2005). Declining by Degrees: Higher Education at Risk. New York, NY, Palgrave Macmillan. Also see:
<http://www.decliningbydegrees.org/index.html>

Bok, Derek (2006). Our Underachieving Colleges: A Candid look at how much Students Learn and why they Should be Learning More. Princeton, NJ, Princeton University Press.

2. New Threats or New Opportunities? External Calls for Greater Accountability in Higher Education

United States Department of Education (2006). "A National Dialogue: The Secretary of Education's Commission on the Future of Higher Education." Retrieved August 16, 2006, from <http://www.ed.gov/about/bdscomm/list/hiedfuture/index.html>.

Final Report (August 9 Draft):
<http://www.ed.gov/about/bdscomm/list/hiedfuture/reports/0809-draft.pdf>

3. Opportunity – SoTL as a Response – Basic Features of SoTL

Huber, Mary Taylor and Pat Hutchings (2005). The Advancement of Learning: Building the Teaching Commons. Stanford, CA, The Carnegie Foundation for the Advancement of Teaching.

4. Factors Influencing SoTL – Promoting and Enabling SoTL Work

a. New Conversations about Teaching and Learning

i. Starting the Conversation – Boyer

Boyer, Ernest L. (1990). Scholarship Reconsidered: Priorities of the Professoriate. Stanford, CA, The Carnegie Foundation for the Advancement of Teaching.

ii. Focusing on Learning

Barr, Robert B. and John Tagg (1995). "From Teaching to Learning - A New Paradigm for Undergraduate Education." Change 27: 12-25.

Halpern, Dianne F. and Milt D. Hakel (eds.) (2002). Applying the Science of Learning to the University and Beyond, New Directions for Teaching and Learning, San Francisco, CA, Jossey-Bass.

Halpern, Diane F. and Milt D. Hakel (2003). "Applying the Science of Learning to the University and Beyond: Teaching for Long-Term Retention and Transfer." Change July/August: 2-13.

Weimer, Maryellen M. (2003). "Focus on Learning, Transform Teaching." Change 35(5): 48-54.

iii. Promoting the Scholarship of Teaching and Learning

Huber, Mary Taylor and Pat Hutchings (2005). The Advancement of Learning: Building the Teaching Commons. Stanford, CA, The Carnegie Foundation for the Advancement of Teaching.

Weimer, Maryellen (2006). Enhancing Scholarly Work on Teaching and Learning: Professional Literature that makes a Difference. San Francisco, CA, Jossey-Bass.

iv. Assessing Student Learning in New Ways

"National Survey of Student Engagement (NSSE)." Retrieved August 22, 2006, from <http://nsse.iub.edu/index.cfm>.

Council for Aid to Education. "College Learning Assessment (CLA) Project." Retrieved August 22, 2006, from http://www.cae.org/content/pro_collegiate.htm.

Wabash National Study of Liberal Arts Education
<http://www.liberalarts.wabash.edu/nationalstudy>

b. New Opportunities for Engaging in the Scholarship of Teaching and Learning – Community-Building, Presenting, and Publishing

i. New Meetings, Organizations, and Projects – Some Examples

- International Society for the Scholarship of Teaching and Learning
<http://www.issotl.indiana.edu/ISSOTL/>
- Lilly Conferences on College Teaching
<http://www.lillyconferences.org/>
<http://www.units.muohio.edu/lillycon/>
- The SoTL Commons: A Conference for the Scholarship of Teaching and Learning
<http://academics.georgiasouthern.edu/ijsoTL/conference/>
- Carnegie Academy for the Scholarship of Teaching and Learning (CASTL) Leadership Program
<http://www.carnegiefoundation.org/programs/sub.asp?key=21&subkey=858>
- AAC&U's Liberal Education and America's Promise (LEAP)
<http://www.aacu-edu.org/advocacy/leap/index.cfm>

ii. Growing Number of Journals – Some Examples

- International Journal for the Scholarship of Teaching and Learning
<http://www.georgiasouthern.edu/ijsoTL/index.htm>
- The Journal on Excellence in College Teaching
<http://celt.muohio.edu/ject/>
- MountainRise (from Western Carolina University)
<http://mountainrise.wcu.edu/>
- Comprehensive Lists of SoTL Journals – General and Discipline-specific
<http://www.ilstu.edu/~sknaylor/sotl.htm>
<http://www.sotl.ilstu.edu/support/>
- Pat Hutchings, Chris Bjork and Marcia Babb, *The Scholarship of Teaching and Learning in Higher Education: An Annotated Bibliography*, Political Science and Politics, Vol. 35, No. 2 (Jun., 2002), pp. 233-236

iii. Some Comprehensive SoTL Resources

- International Society for the Scholarship of Teaching and Learning Resource Page (includes a wealth of international SoTL links, SoTL publications, and other resources)
<http://www.issotl.org/SOTL.html>
- Carnegie Academy for the Scholarship of Teaching and Learning (CASTL) Higher Education (see the “Resources” link in menu on left)

<http://www.carnegiefoundation.org/programs/index.asp?key=21>

- Derek Bruff, Vanderbilt Center for Teaching, “The Scholarship of Teaching and Learning (SoTL)”
http://www.vanderbilt.edu/cft/resources/teaching_resources/reflecting/sotl.htm

c. New Knowledge about Learning (and Teaching)

i. A Seminal Summary of Basic Research in the Learning Sciences

Brown, Ann L., John D. Bransford and Rodney R. Cocking (2000). How People Learn: Brain, Mind, Experience, and School: Expanded Edition. Washington, DC, National Academies Press. Available online at:

<http://newton.nap.edu/html/howpeople1/>

ii. Applied Research on Learning and Innovative Classroom Practices linked to the Science of Learning: National Science Foundation Funded Projects

National Science Foundation

Course, Curriculum, and Laboratory Improvement (CCLI) Program

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5741&org=DUE

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06536

Examples:

- Just-in-Time Teaching (Evelyn Patterson, Gregor Novak)
<http://webphysics.iupui.edu/jitt/jitt.html>
- Scale-Up (Beichner)
<http://www.ncsu.edu/PER/scaleup.html>
- Peer Instruction (Mazur)
<http://mazur-www.harvard.edu/research/detailspage.php?ed=1&rowid=8>
<http://mazur-www.harvard.edu/publications.php?function=search&topic=8>
- Invention and Impact: Building Excellence in Undergraduate Science, Technology, Engineering, and Mathematics (STEM) Education - Proceedings from a 2004 NSF/AAAS Conference of NSF-funded Instructional Innovations
http://www.aaas.org/publications/books_reports/CCLI/

d. New Resources and Tools for Building a Teaching Commons - Going Public, Sharing, and Critiquing - Examples

- The Carnegie Foundation for the Advancement of Teaching
KEEP Toolkit - Carnegie Foundation’s Gallery of Teaching and Learning
<http://gallery.carnegiefoundation.org/>
- Visual Knowledge Project (Randy Bass, Georgetown University)
<http://crossroads.georgetown.edu/vkp/>

- Pedagogy in Action - SERC (Carleton College)
<http://serc.carleton.edu/sp/index.html>
- Academic Commons - SoTL Vignettes
<http://www.academiccommons.org/>
- Looking at Learning - Looking Together
http://crossroads.georgetown.edu/vkp/dportfolio/index_content.html

5. SoTL - Ultimately, a Moral Responsibility

Lee S. Shulman, "No Drive-By Teaching," *Carnegie Perspectives*, October, 2003

<http://www.carnegiefoundation.org/perspectives/sub.asp?key=245&subkey=585%0D>

6. Additional Lenses for Viewing SoTL Work

Pat Hutchings, "Approaching the Scholarship of Teaching and Learning"

<http://www.carnegiefoundation.org/publications/sub.asp?key=452&subkey=619>

Craig Nelson, "How Could I do the Scholarship of Teaching and Learning?"

<http://php.indiana.edu/~nelson1/SOTLGenres.html>