

## Course Bibliography

### **Social and Cultural Perspectives for Science Education Jay Lemke**

*Note: Up to date as of 2003 only*

#### **I. Primary Bibliography: Works Read in the course or recommended as supplementary reading.**

Bakhtin, M. 1935. Discourse in the novel. In M. Holquist, Ed. *The Dialogic Imagination*. (1981). Austin TX: University of Texas Press. Bakhtin, M. 1953.

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Bourdieu, Pierre and Jean-Claude Passeron. 1977. *Reproduction in Education, Society and Culture*. London: Sage.

Bourdieu, Pierre. 1984a. *Distinction: a Social Critique of the Judgement of Taste*. Cambridge, MA: Harvard University Press.

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[Bourdieu on Science, Scientists, and the Scientific Field ]

"The Specificity of the Scientific Field and the Social Conditions of the Progress of Reason," *Social Science Information*, 14:6 (1975):19-47. ... also in Charles C. Lemert (Ed.): *French Sociology*, New York/N.Y. 1981: Columbia University Press [also abridged in M. Biagioli, infra.]

"The Peculiar History of Scientific Reason" *Sociological Forum*, 6:1 (1991): 3-26 "The Scholastic Point of View" *Cultural Anthropology* 5:4 (1990): 380-391.

Biagioli, M. (Ed.) 1999. *The science studies reader*. New York: Routledge, 1999.

- Bourdieu, On the specificity of the scientific field
- Haraway, Situated Knowledges
- EF Keller, the Gender/Science system
- Latour excerpts
- Rotman
- Shapin
- Star & Griesemer, Boundary Objects
- Traweek
- Turkle

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Keller, Evelyn Fox. *Reflections on Gender and Science*. New Haven, CT & London: Yale University Press, 1985.

Kelly, G. K., Carlsen, W. S. & Cunningham, C. M. (1993). Science education in sociocultural context: Perspectives from the sociology of science. Science Education, 77(2), 207-220.

Knorr-Cetina, K. (1995). Laboratory studies: The cultural approach to the study of science. In S. Jasanoff, G. E. Markle, J. C. Peterson, & T. Pinch (Eds.), Handbook of science and technology studies (pp. 140-166). Thousand Oaks: Sage.

Krugly-Smolka, Eva. (1996). Scientific culture, multiculturalism and the science classroom. Science & Education, 5(1), 21-29. [also item in Aikenhead symposium, online paper]

Lee, O. (1999). Science knowledge, world views, and information sources in the social and cultural contexts: Making sense after a natural disaster. American Educational Research Journal, 36, 187-219.

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Latour, B. & Woolgar, S. (1986). An anthropologist visits the laboratory. In B. Latour & S. Woolgar, *Laboratory life: The construction of scientific facts* (pp. 43-90). Princeton, N.J.: Princeton University Press.

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Lynch, M. & Woolgar, S. Eds. (1990). *Representation in scientific practice*. Cambridge, MA: MIT Press.

McGinn, M. K., & Roth, W.-M. (1999b). Towards a new science education: Implications of recent research in science and technology studies. *Educational Researcher*, 28(3), 14-24.

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Nespor, Jan. (1997). *Tangled Up in School: Politics, Space, Bodies, and Signs in the Educational Process* (Erlbaum).

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Helen Verran, "Investigating the Social Foundations of Mathematics," *Social Studies of Science* no. 20 (1990): 283-312.

Helen Watson-Verran and David Turnbull, "Science and Other Indigenous Knowledge Systems," in Sheila Jasanoff, Gerald Markle, James Petersen, and Trevor Pinch, eds., *Handbook of Science and Technology Studies* (Thousand Oaks, CA: Sage, 1995), pp. 115-39

Verran, Helen Watson. (2001). *Science and an African Logic*. Chicago: University of Chicago Press.

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Philosophical and Historical Works in the course:

DeBoer, George E. 1991. *A History of Ideas in Science Education: Implications for Practice*. New York: Teachers College Press.

Kuhn, T.S. (1996). *The Structure of Scientific Revolutions*. 3rd Edition. Chicago: University of Chicago Press.

## **II. Classics and Theory: Works with which you should be familiar to do research related to the themes of the course**

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### III. General Bibliography: Useful References for Sociocultural Perspectives on Science Education

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