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Pre-Symposium Materials for Roanoke

Improving Learning & Reducing Costs: Redesigning Large-Enrollment Courses (1999)

1999

## Background Reading for Pew Symposium in Learning and Technology in Roanoke

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## **STARS Citation**

Twigg, Carol, "Background Reading for Pew Symposium in Learning and Technology in Roanoke" (1999). *Pre-Symposium Materials for Roanoke*. 6.

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## **BACKGROUND READING**

Articles (Available electronically at <a href="http://www.center.rpi.edu/ResArti.html">http://www.center.rpi.edu/ResArti.html</a>)

Can Education Be "Productive"?, by Carol A. Twigg

The CUPLE Physics Studio, by Jack M. Wilson

Education Technology and Cost Control: Four Models, by Charles Karelis

From Theory to Implementation, by Warren Baker, Thomas Hale, and Bernard R. Gifford

Improving Productivity in Higher Education: The Need for a Paradigm Shift, by Carol A. Twigg

Is Technology a Silver Bullet? by Carol A. Twigg

The Network as Strategic Asset: The Path to Learning Productivity, by Lowell H. Roberts

The One Percent Solution, by Carol A. Twigg

The Prototype of the Virtual Classroom, by Jack M. Wilson and David N. Mosher

The SCALE Efficiency Projects, by Lanny Arvan, John C. Ory, Cheryl D. Bullock. Kristine K. Burnaska and Matthew Hanson

Superficial Thinking: The Productivity Paradox, by Carol A. Twigg

Television's Indelible Impact on Distance Education: What We Should Have Learned from Comparative Research, by Thomas L. Russell

Monographs (Available electronically at <a href="http://www.center.rpi.edu/ResMono.html">http://www.center.rpi.edu/ResMono.html</a>)

Academic Productivity: The Case for Instructional Software by Carol A. Twigg

Higher Education White Paper by Russell Edgerton

Learning Productivity: A New Imperative for American Higher Education by D. Bruce Johnstone

Using Information Technology to Enhance Academic Productivity by William F. Massy and Robert Zemsky