

**CURRICULUM VITAE
DAVID P. BAKER**

The Pennsylvania State University
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Education: Ph.D., The Johns Hopkins University,
Baltimore, MD, 1982. Sociology.

M.S., Boston University, Boston, MA, 1975.
Communication Research.

B.A., Albion College, Albion, MI, 1974.
Psychology.

Academic Appointments:

2010- Research Affiliate, the Group for Analysis of Development (GRADE),
Lima Peru

2005- Senior Scientist, The Center for the Study of Higher Education, The
Pennsylvania State University

1998- PRI Associate, Population Research Institute, The Pennsylvania State
University, University Park, PA

1997- Professor of Education, College of Education, The Pennsylvania State
University, University Park, PA

1997- Professor of Sociology, Department of Sociology, The Pennsylvania State
University, University Park, PA.

1989-1997 Associate Professor, Department of Sociology, The Catholic University of
America, Washington, D.C.

1986-1989 Assistant Professor, Department of Sociology,
The Catholic University of America, Washington, DC.

1984-1986 Visiting Assistant Professor, The Catholic University of America,
Washington, DC.

1982-1984 Research Fellow, Max-Planck Institute for Human Development and

Education, Berlin, West Germany.

Assistant Professor (part-time) University of Maryland, Berlin Program.

Administrative Appointments:

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| 2002-2005 | Associate Director of the Social Science Research Institute, The Pennsylvania State University. |
| 2001-2002 | Interim Director of the Institute for Policy Research and Evaluation, The Pennsylvania State University, University Park, PA |
| 2006-2007
2011-2013 | Professor-in-Charge, Comparative International Education Degree Program, College of Education, Pennsylvania State University |
| 1997-2000 | Professor-in-Charge, Education Theory and Policy Program, College of Education, Pennsylvania State University |
| 1994-1997 | Senior Research Scientist (part-time), American Institutes for Research, Washington, D.C. |
| 1978 | Director of Research and Evaluation Unit, Passaic-Clifton Community Mental Health Center, Passaic, NJ. |

Awards and Fellowships:

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| 2010 | Visiting Scholar, <i>Wissenschaftszentrum Berlin</i> (Social Science Research Center of Berlin, June-July) |
| 2010-2012 | Elected Vice-president, President-elect, President of the Comparative International Education Society |
| 2009 | Comparative International Education Society Best of Books for the Academic Year 2008-2009, Baker, D. P., & Wiseman, A. W. <i>The Worldwide Transformation of Higher Education</i> . |
| 2009 | Elected to Sociological Research Association. |
| 2009 | Population Association of America, First Prize Research Award for "The Social Vaccine for HIV/AIDS: Examining the Effects of Education on Condom Usage in sub-Saharan Africa," with John Collins, Juan Leon and Emily Smith. |

- 2005-06 Guest Research Scientist, Institute for Higher Education Research, The Martin Luther University in Halle-Wittenberg, Germany
- 2005-2006 Fulbright New Century Scholar for "Higher Education in the 21st Century: Global Challenge and National Response."
- 2004-2007 Harry and Marion Eberly Endowed Faculty Fellow in Education
- 2003-2004 Fulbright Senior Fellow, Max Planck Institute for Human Development, Berlin, Germany
- 2002 Outstanding International Study Award by the American Education Research Association, SIG on International Studies in Education. For Baker, D., Goesling, B. and LeTendre, G. (2002). "Socio-economic Status, School Quality, and National Economic Development: A Cross-national Analysis of the 'Heyneman-Loxley Effect' on Mathematics and Science Achievement" Comparative Education Review 46 (3) 291-312.
- 1999-2000 Children, Youth, and Families Consortium, The Pennsylvania State University, Faculty Fellowship.
- 2000 Elected to Phi Delta Kappa International Honor Society.
- 1996 Alpha Delta Gamma Outstanding Teacher Award, The Catholic University of America.
- 1992-1994 American Educational Research Association, Senior Fellow to U.S. Dept. of Education, National Center for Education Statistics.
- 1990 The German Marshall Fund of the United States, Research Fellow.
- 1986-1988 National Academy of Education Spencer Fellow.
- 1985 Max-Planck Institute for Human Development and Education, Berlin, Visiting Research Fellow.
- 1984 Center for Advanced Study in the Behavioral Sciences, Stanford, CA, Summer Fellow.
- 1978-1982 National Institute for Mental Health Ph.D. Training Fellowship, The Johns Hopkins University.

Selected Professional Activities:

International Board of Advisors, Sociedad Peruana de Investigación Educativa (Peruvian Education Research Association) (2009-)

Board Member, *Annual Review of Comparative and International Education* Advisory Board for 2010-2012

Presentation to the Executive Committee of the North American Association for Environmental Educators on policy messages for American environmental educators from OECD 57 nation report: *Green at 15? How 15-year-olds Perform in Environmental Science and Geoscience* (Baker et al. 2009)

Series Editor, International Perspectives on Education and Society (Annual Review of Comparative Research on Education). Oxford, UK: Elsevier Science Ltd. (2004-2008)

Presented "The Social and Economic Benefits of Public Education." At 2008 Pennsylvania Education Finance Symposium, Harrisburg PA November 20, 2008.

Editorial Board, *Review of Research in Education*, American Education Research Association/Sage Publications, 2006-present.

Technical Expert Design Group, Organization for Economic Co-operation and Development (OECD), Cross-national Survey of Teachers and Learning and Instruction (TALIS), Paris, 2004-present.

Technical Expert Design Group, Organization for Economic Co-operation and Development (OECD), PISA, Paris, 2004-present.

Presenter, "Recommendations and Future Scenarios for the Super Research University" to the United Nations Education, Scientific, Cultural Organization, hosted by the U.S. State Department's Bureau of Educational and Cultural Affairs, Permanent Mission of the U.S. to UNESCO, Paris, October 2006

Eslinger PJ, Robinson-Long M, Blair C, Wang J, Realmuto J, Baker D, Thorne S, Gamson D, Zimmerman E, Yang Q, Rohrer L. Altered activity of neural systems underlying calculation in math learning disability: A case study. Annual Meeting of the *Cognitive Neuroscience Society*, San Francisco, April 2008.

Presenter, "National Curricula and Cross-National Achievement in Mathematics and Science" at the 2nd Annual IEA Research Conference, the Brookings Institute, Washington D.C., November 2006.

Keynote Presentation, "The Super Research University and the Schooled Society: Synergy, Paradoxes, and Scenarios for the Future." The Council of Graduate Schools Annual Meeting, Washington D.C., 2006

Participate, Meeting of Fulbright New Century Scholars, Cairo Egypt, March 2006

Senior Associate Editor, *American Journal of Education* 2005-present.

Board Member, Comparative International Education Society, 2004-2007.

Chair, Sociology of Education Section, American Sociological Association, 2000-2001.

Senior Advisor to U.S. Board on International Comparative Studies in Education, National Research Council, Conference on "Next Steps for TIMSS," 1998.

Advisor, National Research Council/National Academy of Sciences, Board on Testing and Assessment, National Academies' Center, Woods Hole, MA, 1997.

Technical Design Group, National Longitudinal Survey of Schools for Evaluation of New Provisions in Title I, U.S. Department of Education, 1997

Secretary/Treasurer of Sociology of Education Section, American Sociological Association.

Editorial Board for Teachers College Record, 1995-2001.

Consultant for The World Bank on worldwide secondary education development. (various projects, 1988-1995)

Consultant to Chilean Government on secondary education quality and funding, 1994.

Senior Advisor to "Asia Regional Secondary Education Seminar" Japan International Cooperation Agency and The World Bank, Tokyo, 1993.

"IEA Third International Mathematics and Science Study" NCES, U.S. Dept. of Education. 1991-1994, Consultant.

Design Team for Developing an International Education Statistical Unit for the National Center for Education Statistics, U.S. Department of Education, 1993.

"Confidentiality of National Education Data" Committee on National Statistics, National Academy of Sciences, 1991, Consultant.

"Planning Conference for the Third International Math and Science Study" NCES, U.S. Dept. of Education, 1991, Consultant.

"Individual Development and Social Change," Center for Advanced Study in the Behavioral Sciences, Stanford, CA, 1984.

“Seminar on Comparative Organizational Research,” Wissenschaftskolleg in Berlin (Institute for Advanced Study Berlin) 1983.

Selected Publications In-Progress or Under Review:

Baker, D. *The Schooled Society: The Educational Transformation of Postindustrial Society.* (manuscript under review)

Collins, J., Halabi, S., Baker, D., Bedford, J. (under-review). “‘Simple Information for Simple People:’ Myths and Content Problems With Widely Used HIV/AIDS Education Interventions in Sub-Sub-Saharan Africa.”

Baker, D., Eslinger, P., and Thorne, S. (under-review). “Cognition, Culture, and Institutions: Affinities within the Social Construction of Reality.”

Publications:

Baker, D., Leon, J., Smith Greenaway, E., Collins, J., and Movit, M. (In-print) “The Underappreciated Education Effect on Population Health: A Theoretical Reassessment, Meta-analysis of Education and Mortality, and a Cognitive Hypothesis.” *Population Development Review.*

Baker, D. (2011). “Forward and Backward, Horizontal and Vertical: Transformation of Occupational Credentialing in the Schooled Society.” *Research in Social Stratification and Mobility: A Journal of the International Sociological Association*, 29,1,5-29.

Baker, D. (In-print). “The Future of the Schooled Society: The Transforming Culture of Education in Postindustrial Society.” In *Frontiers in Sociology of Education*, M. Hallinan, (Ed.), N.Y.: Springer.

Wiseman A., Astiz, M.F., Fabrega, R., and Baker, D. (2010). “Making Citizens of the World: The Political Socialization of Youth in Formal Mass Education Systems.” *Compare: A Comparative Journal of International Education*, 1-17, November.

Baker, D., Leon, J., and J. Collins (2010). “Facts, Attitudes, and Health Reasoning about HIV and AIDS: Explaining the Education Effect on Condom Use among Adults in sub-Saharan Africa.” *AIDS and Behavior*, 11(June), 1-9 doi: 10.1007/s10461-010-9717-9. <http://dx.doi.org/10.1007/s10461-010-9717-9>

Peters, E., Baker, D., Deickmann, N., Leon, J., and J. Collins. (2010). "Explaining the Education Effect on Health: A Field-Study from Ghana." *Psychological Science*, 21,10,1369-76.

Baker, D., Leon, J., Smith, E.G., Collins, J., and M. Movit. (2010). "Education and Population

Health: A Reassessment.” Population Research Institute, Pennsylvania State University Working Paper Series, #WP1003.

Baker, D., Knipe, H., Cummings, E., Collins, J., Leon, J. Blair, C., and D. Gamson (2010). “One Hundred Years of American Primary School Mathematics: A Content Analysis and Cognitive Assessment of Textbooks from 1900 to 2000.” *Journal of Research on Mathematics Education*, 41, 4, 383-423.

Baker, D. (2009). “The Educational Transformation of Work: Toward a New Synthesis.” *Journal of Education and Work*, 22, 3, 163-193.

Baker, D. and Mori, I. (2010) “The Origin of Universal Shadow Education: What the Supplemental Education Phenomenon Tells Us about the Postmodern Institution of Education.” *Asia Pacific Education Review* 11, 1, 36.

Baker, D., Collins, J., and Leon, J. (2009). ”Risk Factor or Social Vaccine? The Historical Progression of the Role of Education in HIV/AIDS Infection in Sub-Saharan Africa.” *Prospects: Quarterly Review of Comparative Education*, 38, 4, 467-486, UNESCO: Paris France.
<http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s11125-009-9097-y>

Baker, D. (2009). "The Invisible Hand of World Education Culture: Thoughts for Policy Makers." Pg. 958-968. In Sykes, G., Schneider, B., and Plank, D. (eds.), Chapter , *American Education Research Association's Handbook of Education Policy Research*. AERA: Washington D.C.

Eslinger, P., Blair, C., Wang, J., Lipovsky, B., Realmuto, J., Baker, D., Thorne, S., Gamson, D., Zimmerman, E., Rohrer, L., Yang, Q. (2009) “Developmental shifts in fMRI activations during visuospatial relational reasoning” *Brain and Cognition*, 69(1), pages 1-10

Wiseman, A., Baker, D., Riegler-Crumb, C. and Ramirez, F. (2009). “Shifting Gender Effects: Opportunity Structures, Institutionalized Mass Schooling, and Cross-National Achievement in Mathematics.” In Baker, D. P., & Wiseman, A. W. (Eds.). (2009). *Gender, Equality, and Education from International and Comparative Perspectives*. Volume 10, International Perspectives on Education and Society Series (Bingley, UK: Emerald Publishing).

Baker, D. (2009) “The Schooled Society and Beyond: The Modernizing Role of Formal Education as an Institution.” For the Beyond Current Horizons Project, Ministry of Education, U.K.: London: www.beyondcurrenthorizons.org.uk

Baker, D. senior author: Organization for Economic Co-operation and Development (2009). *Green at Fifteen? Environmental and Geoscience Literacy among 15-year old in PSIA 2006*. OECD: Paris France.

- Baker, D. (2008) Review of Gumpert, P. "Sociology of Higher Education: Contributions & Their Contexts" *Contemporary Sociology* 37, 6, 613.
- Baker, D. (2008). "Privatization, Mass Higher Education, and the Super Research University: Symbiotic or Zero-sum Trends?" *Die Hochschule* (German Journal on Higher Education) 2, 36-52.
- Baker, D. and Cummings, E. (2008) "Pennsylvania's Best Investment: The Social and Economic Benefits of Public Education." Policy White Paper for the Education Law Center, Philadelphia, PA.
- Baker, D. collaborating author: Organization for Economic Co-operation and Development (2007). *PISA 2006: Science Competencies for Tomorrow's World* V.1, OECD: Paris France.
- Goesling, B. and Baker, D. (2008). "Three Face of International Inequality." *Research in Social Stratification and Mobility: A Journal of the International Sociological Association*, 26, 183-198.
- Baker, D. and Lenhardt, G. (2008). "The Institutional Crisis of the German Research University." *Higher Education Policy* 21, 49-64.
- Mohrman, K., Ma, W., and Baker, D. (2008). "The Research University in Transition: The Emerging Global Model." *Higher Education Policy* 21, 1-17.
- Baker, D. (2007) "Mass Higher Education and the Super Research University: Symbiotic Trends and Future Scenarios." In *Graduate Education 2020*. Council of Graduate Schools: Washington D.C.
- Baker, D. (2007) "Mass Higher Education and the Super Research University: A Symbiotic Relationship." *International Higher Education*, Fall.
- Mohrman, K., Ma, W., and Baker, D. (2007). "The Emerging Global Model of the Research University." In Altbach, P. and Peterson, P. (eds.) *Higher Education in the New Century: Global Challenges and Innovative Ideas*. Pages 145-175, Rotterdam, the Netherlands: SensePublishers, and co-published by UNESCO Paris France. (Translated into Chinese 2009 and printed by China Ocean University Press, Qingdao.)
- Baker, D. (Feb. 2007). "Are the Super Research University and Mass Higher Education Related?" *IAU Horizons*, International Association of Universities, UNESCO, Paris France, p.6.
- Baker, D., Koehler, H. and M. Stock. (2007) "Socialist ideology and the contraction of higher

education: Institutional consequences of state manpower and education planning in the former East Germany, 1949 to 1989.” *Comparative Education Review*, 51, 3, 353-377.

Wiseman, A. W., & Baker, D. P. (2007). “Educational Achievements in International Context.” In B. J. Bank (Ed.), *Gender and Education: An Encyclopedia* (pp. 407-414). Westport, CT: Praeger Press.

Blair, C., H. Knipe, E. Cummings, D. Baker, P. Eslinger, and S. Thorne. (2006). “A developmental neuroscience approach to the study of school readiness.” In Pianta, R. Cox, M. and Snow, K. (ed.s), Chapter 8. *School Readiness, Early Learning, and the Transition to Kindergarten*.

Baker, D., Series Senior Editor, *International Perspectives on Education and Society*. Oxford, UK: Elsevier Science Ltd.:

Volume 10: Baker, D. P., & Wiseman, A. W. (Eds.). (2009). *Gender, Equality, and Education from International and Comparative Perspectives*. International Perspectives on Education and Society Series (Bingley, UK: Emerald Publishing).

Volume 9: Baker, D. P., & Wiseman, A. W. (Eds.). (2008). *The Worldwide Transformation of Higher Education*. International Perspectives on Education and Society Series (Bingley, UK: Emerald Publishing).

Volume 8: Baker, D. P., & Wiseman, A. W. (Eds.). (2007). *Education for All: Global Promises, National Challenges*, The International Perspectives on Education and Society Series (Oxford: Elsevier Science, Ltd.).

Volume 7: Baker, D. P., & Wiseman, A. W. (Eds.). (2006). *The Impact of Comparative Education Research on Institutional Theory*. The International Perspectives on Education and Society Series (Oxford: Elsevier Science, Ltd.).

Volume 6: Baker, D. P., & Wiseman, A. W. (Eds.). (2005). *Global Trends in Educational Policy*. The International Perspectives on Education and Society Series (Oxford: Elsevier Science, Ltd.).

Volume 5: Baker, D. P. (Series Editor), (2002) *New Paradigms and Recurring Paradoxes in Education for Citizenship: An International Comparison*. Steiner, G., Torney-Purta, J., and Schwille, J. guest editors. The International Perspectives on Education and Society Series (Oxford: Elsevier Science, Ltd.).

Wiseman, A. and D. Baker, (2006) “The Symbiotic Relationship between Empirical Comparative Research on Education and Neo-institutional Theory.” In Baker, D. and Wiseman, A. (eds.) *The Impact of Comparative Education Research on Institutional*

Theory. Oxford UK: Elsevier Science Ltd.

- Baker, David (2006). "Can We Predict Institutional Change? Evidence from Cross-national Comparisons of Educational Phenomena." In Meyer, H., and Rowan, B. (eds.) *The New Institutionalism in Education*. SUNY Press: New York.
- Wiseman, A. and D. Baker. (2005) "The Worldwide Expansion of Internationalized Education Policy." In Baker, D. and Wiseman, A. (eds.) *Global Trends in Educational Policy*. Oxford UK: Elsevier Science Ltd.
- Baker, D., and G., LeTendre (2005) *National Differences, Global Similarities: World Culture and the Future of Schooling*. Stanford CA: Stanford University Press.
Translated and printed in Vietnam, 2010, Pham Tan Hoang Son.
- Chhetri, N., and D. Baker. (May 2005). "The Environment for Literacy among Nations: Concepts, Past Research, and Preliminary Analysis." Concept paper for the Education for All Monitoring and Report Team: UNESCO, Paris France.
- Desimone, L., Smith, T., Baker, D., and Ueno, U. (2005) "The Distribution of Teaching Quality in Mathematics: Assessing Barriers to the Reform of U.S. Mathematics Instruction from an International Perspective" *American Education Research Journal* 42:33, 501-535.
- Blair, C., D. Gamson, S. Thorne, and D. Baker. (2005) "Rising Mean IQ: Cognitive Demand of Mathematics Education for Young Children, Population Exposure to Formal Schooling, and the Neurobiology of the Prefrontal Cortex." *Intelligence*, 33 93-106.
- Baker, D., Fabrega, R., Galindo, C., and J. Mishook. (2004). "Instructional Time and National Achievement: Cross-national Evidence." *Prospects, Quarterly Review of Comparative Education*, UNESCO: Paris France, XXXIV, 3, 311-334.
- Baker, D., B. Fuller, E. Hannum and R. Werum special editors. (2004) *Inequality Across Societies: Families, Schools and Persisting Stratification*. Series in Sociology of Education, Vol. 14. Amsterdam: Elsevier.
- Werum, R. and D. Baker. (2004) "Inequality and Schooling as an Institution." In Baker, D. et al. eds. *Inequality Across Societies: Families, Schools and Persisting Stratification*. Series in Sociology of Education, Vol. 14. Amsterdam: Elsevier.
- Baker, D., "Should we be more like them? American High School Achievement in Cross-national Comparison. *Brookings Papers on Education Policy*, The Brookings Institute, Washington DC, 2002.

- Akiba, M., G. LeTendre, D. Baker, and B. Goesling. (2002) "Student Victimization: National and School System Effects on School Violence in 37 Nations" *American Journal of Education Research*, 39, Winter.
- Baker, D., Goesling, B. and LeTendre, G. (2002). "Socio-economic Status, School Quality, and National Economic Development: A Cross-national Analysis of the "Heyneman-Loxley Effect" on Mathematics and Science Achievement" *Comparative Education Review* 46 (3) 291-312.
- Awarded 2002-03 Outstanding International Study by the American Education Research Association, SIG on International Studies in Education.
- Schaub, M., & Baker, D. (2002). Is social capital the self-esteem of the 1990's? Schooling and Social Capital in Diverse Cultures: Annual Review of Sociology of Education, 13, 127-134.
- Astiz, M. Fernanda, Alexander Wiseman, and David P. Baker. 2002 "Slouching towards Decentralization: Consequences of Globalization for Curricular Control in National Education Systems." *Comparative Education Review* 46:66-88.
- LeTendre, G., Baker, D., Akiba, A., Goesling, B., & Wiseman, A. (2001). "Teacher's work: Institutional isomorphism and cultural variation in the U.S., Germany, and Japan." *Education Researcher*, 30 (6), 3-15.
- Wiseman, A. W., & Baker, D. P. (2001). "The American Summer-Learning Gap From an International perspective." In G. Borman and M. Boulay (Eds.), *Summer Learning: Research, Policies, and Programs*. New York: Teachers College Press.
- Baker, D. , Akiba, M., LeTendre, G., & Wiseman, A. (2001). "Worldwide Shadow Education: Outside-School Learning, Institutional Quality of Schooling, and Cross-national Mathematics Achievement." *Education, Evaluation, and Policy Analysis* 23 1, 1-17.
- LeTendre, G. K., Akiba, M., Goesling, B., Wiseman, A. W., & Baker, D. P. (Spring 2001). "The Policy Trap: National Educational Policy and the Third International Math and Science Study." *The International Journal of Educational Policy, Research and Practice* 2,1: 45-64
- Smith, T. M., & Baker, D. P. (2003). "International Education Statistics: The Use of Indicators to Evaluate the Condition of Education Systems." In J. Guthrie (Ed.), *Encyclopedia of Education* (2nd ed.). New York: Macmillan.
- Smith, T. M., & Baker, D. P. (2002). Worldwide Growth and Institutionalization of Statistical Indicators for Education Policy-Making. *Peabody Journal of Education*, 76(3&4), 141-152.

- Baker, D. P. (Spring 2001). "TIMSS-R: Innovation in International Information for American Educator." *Education Statistics Quarterly*, U.S. Department of Education.
- LeTendre, G., & Baker, D. (1999). International comparisons and educational research policy. In LeTendre, G. (Ed.), *Competitor or ally: Japan's role in American educational debates*. New York: Falmer Press.
- Baker, D. (1999). "Schooling All the Masses: Reconsidering the Origins of American Schooling in the Postbellum Era." *Sociology of Education*, 72 (4), pp. 197-215.
- Baker, D., and LeTendre, G. (2000). "Comparative Sociology of Classroom Processes, School Organizations and Achievement." In Hallinan, M. (Ed.), *Handbook of Sociology of Education*, Plenum Pub. Co.
- LeTendre, G., & Baker, D. (1998, June 17). "International Competitiveness in Science: Don't Blame U.S. Adolescents or Middle Schools for a 'Slump'." *Education Week*, pp. 16-51.
- Baker, D., and Riordan, C. (1998) "It's Not about the Failure of Catholic Schools, It's about Demographic Transformation" *Phi Delta Kappan* October 1998 462-465.
- Baker, D., and Riordan, C. "The 'Eliting' of the Common American Catholic School and the National Education Crisis. *Phi Delta Kappan*, September 1998, pp. 16-23.
- Baker, D., and Smith, T. "Three Trends in the Condition of Education in the United States." *Teachers College Record*, 99 (1) Fall, 1997.
- Baker, D. and Smith, T. "The Condition of Academic Achievement in the Nation." *Teachers College Record*, 99 (1), Fall, 1997.
- Baker, D. and Smith, T. "Teacher Turnover and Teacher Quality: Refocusing the Issues." *Teachers College Record*, 99 (1), Fall 1997.
- Baker, D. and Smith, T. "A College Education For All?" *Teachers College Record*, 99 (1), Fall, 1997.
- Perie, M. and Baker, D. "Job Satisfaction Among America's Teachers: Effects of Workplace Conditions, Background Characteristics, and Teacher Compensation." Statistical Analysis Report, National Center for Education Statistics, U.S. Dept. of Education, NCES 97-471, 1997.
- Han, Mei and Baker, D. "SASS 1993-94: A Profile of Policies and Practices for Limited English Proficient Students: Screening Methods, Program Support, and Teacher Training." Statistical Analysis Report, National Center for Education Statistics, U.S.

Dept. of Education, NCES 97-472, 1997.

- Baker, D. "Surviving TIMSS, or Everything You Blissfully Forgot About International Achievement Studies." *Phi Delta Kappan*, November, 1997.
- Baker, D. "Education Crises and Institutionalization: International Comparisons" in Levinson, Baker, D. "Education Crises and Institutionalization: International Comparisons" in Levinson, D., Cookson, P. and Sadovnik, A. (eds.) *Education and Sociology: An Encyclopedia*. New York: Garland Publishing Inc., 1997.
- Baker, D. "Comparing Japan and US School Achievement" in Levinson, D. Cookson, P. and Sadovnik, A. (eds.) *Education and Sociology: An Encyclopedia*. New York: Garland Publishing Inc., 1997.
- Baker, D. and Holsinger, D. "Human Capital Formation and School Expansion in Asia: Does a Unique Regional Model Exist?" *International Journal of Comparative Sociology*, 1996. (Reprinted in Altbach, P. (ed.) *The Asian Educational Challenge*, SUNY Press, 1997.)
- Youniss, J., Convey, J., & Baker, D. "Catholic Schools in a Changing Society." *Catholic Education*, Vol. 1, pp. 98-103.
- Stevenson, D., and Baker, D. "Does State Control of the Curriculum Matter?" *Educational Evaluation and Policy Analysis*, 18, 4, 339-343, 1996.
- Baker, D. "Good News, Bad News, and International Comparisons: Comment on Bracey," *Education Researcher*, 1996.
- Baker, D., Han, M. and Broughman, S. "How different, How Similar: Comparing Key Organizational Qualities of American Public and Private Secondary Schools" Statistical Analysis Report, National Center for Educational Statistics, U.S. Department of Education. NCES 96-322, 1996.
- Manlove, J. and Baker, D. "Local Constraints on the Opportunity to Learn Mathematics in American High Schools." *Restructuring Schools: Promising Practices and Policies*, pp. 133-153, M. Hallinan (ed.), New York: Plenum Press, 1996.
- Hanson, S., Schaub, M., and Baker, D. "Gender Stratification in the Science Pipeline: A Comparative Analysis of Seven Countries" *Gender and Society*, V 10, 3, 271-290, 1996.
- Baker, D. "Convergence among National Education Systems." *In Education Indicators in International Perspective*, U.S. Dept. of Education, NCES, 1996.
- Meyer, J. and Baker, D. "Forming American Educational Policy with International Data: Lessons from Sociology of Education," *Sociology of Education: Special Issue on*

Sociology and Education Policy, 123-130, 1996.

Baker, D., Riordan, C. and Schaub, M. "The Effects of Sex-grouped Schooling on Achievement: The Role of National Context." *Comparative Education Review*, 39, 4, 468-481, 1995.

Baker, D. "System for Catholic Historical Research, Institutional information and Planning." In Michalek, G., Sandleback, N., & Treanor, J. (Eds.), *Documenting Diversity: The American Catholic Experience*. Chicago, IL: Mission Press, 1994.

Baker, D. "In Comparative Isolation: Why Comparative Research has So Little Influence on American Sociology of Education?" in *Research in Sociology of Education and Socialization*. Pallas, A. (ed.) Greenwich CN: JAI Press. 10:53-70, 1994.

Griffith, J., Owen, E. and Baker, D. "Strategic Plan for International Activities at the National Center for Educational Statistics." White Paper, NCES Washington, DC, 1994.

Baker, D. and Stevenson, D. "Transition to Higher Education in the United States: Institutional Boundaries and Pathways to Adulthood" *Sociological Studies of Children*, Vol. 6, pp. 141-159, 1994.

Baker, D., Ethington, C., Sosniak, L. and Westbury, I. (eds.) *In Search of More Effective Mathematics Education: Evidence from the Second International Mathematics Study*. New Jersey: Ablex Publishing 1994.

Baker, D. and Schaub, M. "Learning from the Best: Effective Mathematics Instruction in Japanese and American Classes." In Baker et al. (eds.), New Jersey: Ablex Publishing, 1994.

Baker, D., Riordan, C. and Schaub, M. "Single - and Mixed - Sex Schooling and Mathematics Achievement: A Cross-National Comparison Using SIMS." In Baker et al. (eds.), Ablex Publishing: New Jersey, 1994.

Baker, D. "The Size and Structure of Secondary Education in Developing Countries." Paper prepared for Population and Human Resources Dept., Education and Employment Division, The World Bank, Washington, DC: March 1993.

Baker, D. "Compared to Japan, the U.S. is a Low Achiever . . . Really: New Evidence and Comment on Westbury." *Educational Researcher*, 22:3:18-20; and a "A Rejoinder" 25-26, 1993.

Baker, D. and Jones, D. "Creating Gender Equality: Cross-National Gender Stratification and Mathematical Performance." *Sociology of Education*, 66:91-103, 1993.

Reprinted in:

- Galliano, G. *Gender: Crossing Boundaries*, Wheaton Il: Brooks/Cole Publishing Company, 2002.
- Arnett, J. *Adolescence Emerging Adulthood: A Cultural Approach* Prentice Hall 2003
- Schaub, M. and Baker, D. *Serving American Catholic Children and Youth: A Diocesan Study of PREP and Catholic School Enrollments and Unserved Children*. Report for U.S. Catholic Conference, Department of Education, 1993.
- Baker, D. "Indicators of School Achievement from SIMS for OECD Countries." Commissioned paper OECD Indicators Panel, National Center for Education Statistics, U.S. Department of Education, Washington, DC, January 1992.
- Baker, D. "The Politics of American Catholic School Expansion, 1870-1930." In *The Political Construction of Education*, Fuller, B. and R. Rubinson (eds.). New York: Praeger, 1992.
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Current Awarded Research Grants and Contracts

PD/Co-PI Explaining the Education Effect and the Demography of Risk: Comparing Unschooled and Schooled on Everyday Reasoning and Decision-making Skills about Health Behavior in Peru. NFS-Human Dynamics-Risk/Decision-making (\$700,000) 2008-2010.

PD/PD Analysis of the First TALIS (Thirty-Nation Teaching, Learning, and Instruction Study): Principals, School Management, and Instruction Leadership. Contract with OECD, Paris (\$50,000).

PD/PI A Sixty-Nation Study of 15 Year-Olds' Environmental Scientific Literacy and Attitudes towards the Environment: Proposal for an In-depth Thematic Analysis of PISA 2006. NSF Small Research Grant (\$100,000) 2008, in conjunction with OECD Paris Fr.

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Co-PD/PI Augmentation, Analysis, and Dissemination of TIMSS. Fund for the Improvement of Education, OERI, U.S. Department of Education (\$890,000), 1998-2000

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