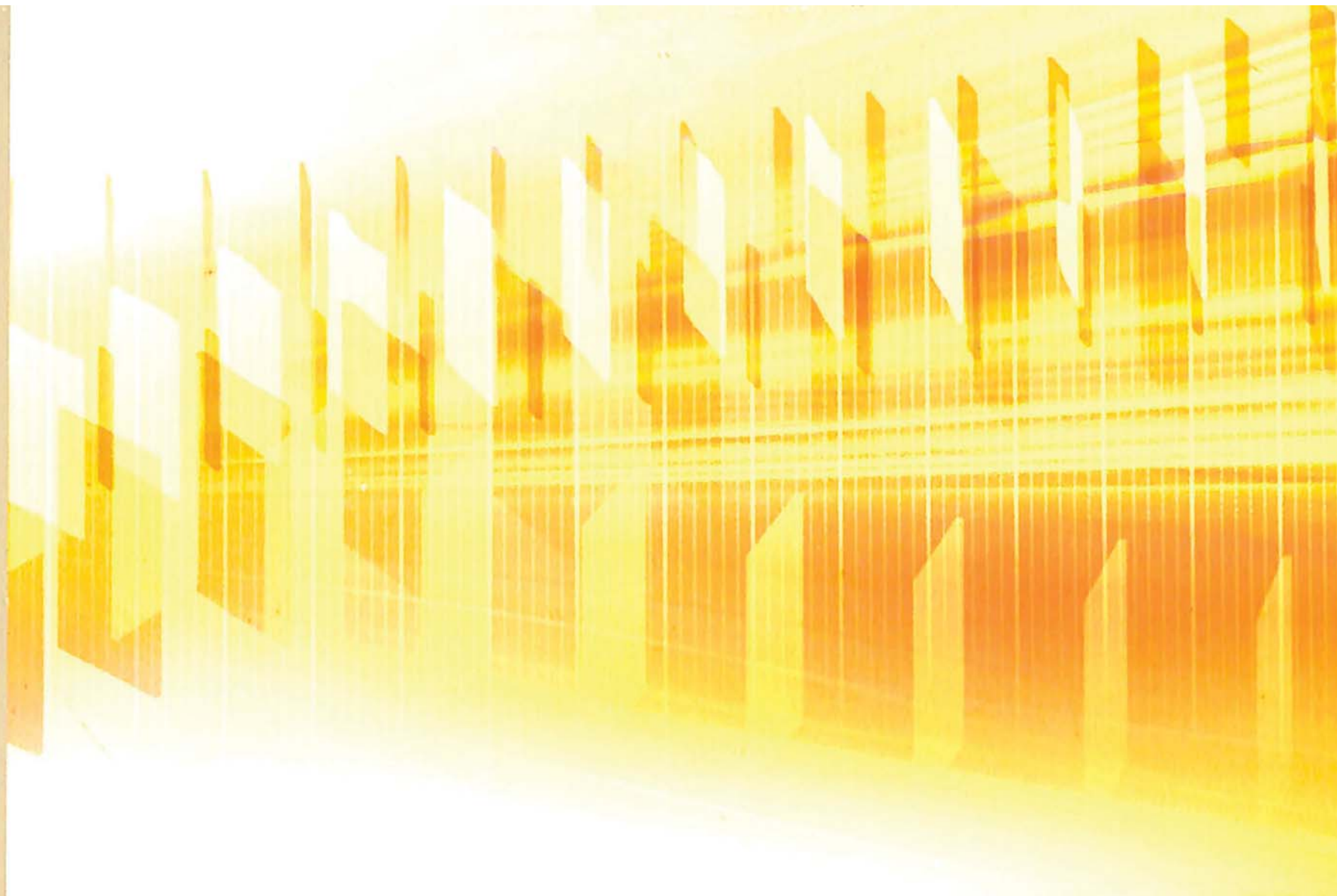


Volume
40
2016



Education Research: A Century of Discovery

REVIEW OF RESEARCH IN EDUCATION



Access this journal online at <http://rre.aera.net>

Review of Research in Education

Education Research: A Century of Discovery

Volume 40

EDITORS

PATRICIA A. ALEXANDER
University of Maryland

FELICE J. LEVINE
*American Educational
Research Association*

WILLIAM F. TATE IV
Washington University in St. Louis

EDITORIAL BOARD

RON AVI ASTOR
*University of Southern
California*

RANDY BENNETT
Educational Testing Service

MARK BERENDS
University of Notre Dame

JO BOALER
Stanford University

GEORGE BOHRNSTEDT
American Institutes for Research

ROBERT BORUCH
University of Pennsylvania

WILLIAM COPE
*University of Illinois,
Urbana-Champaign*

LYN CORNO
*Teachers College, Columbia
University*

JAMES EARL DAVIS
Temple University

ALAN DEYOUNG
University of Kentucky

SHERMAN DORN
Arizona State University

SUSAN A. DUMAIS
City University of New York

RICHARD DUSCHL
The Pennsylvania State University

DOROTHY ESPELAGE
University of Florida

THOMAS FARMER
*Virginia Commonwealth
University*

BETH FERRI
Syracuse University

KARA FINNIGAN
University of Rochester

VIVIAN GADSDEN
University of Pennsylvania

PATRICIA GÁNDARA
*University of California, Los
Angeles*

CLAUDE GOLDENBERG
Stanford University

PATRICIA ALBJERG GRAHAM
Harvard University (Emerita)

BRIDGET HAMRE
University of Virginia

ERIC HANUSHEK
Stanford University

JEFFREY HENIG
*Teachers College, Columbia
University*

PANAYIOTA KENDEOU
University of Minnesota

DIANE KETELHUT
University of Maryland

JEREMY KILPATRICK
University of Georgia

DAVID F. LABAREE
Stanford University

CAROL D. LEE
Northwestern University

SARAH THEULE LUBIENSKI
*University of Illinois,
Urbana-Champaign*

DANNY MARTIN
University of Illinois, Chicago

LUCIA MASON
University of Padova

RICH MAYER
*University of California, Santa
Barbara*

LORRAINE McDONNELL
*University of California, Santa
Barbara*

DAVID MONK
The Pennsylvania State University

JEROME MORRIS
University of Missouri, St. Louis

RICHARD MURNANE

Harvard University

NA'ILAH SUAD NASIR

University of California, Berkeley

MICHAEL OROSCO

University of Kansas

DAVID OSHER

American Institutes for Research

ANNEMARIE SULLIVAN

PALINCSAR

University of Michigan

P. DAVID PEARSON

University of California, Berkeley

WILLIAM PENUEL

University of Colorado, Boulder

STEPHEN PLANK

American Institutes for Research

KRISTEN RENN

Michigan State University

RUSSELL RUMBERGER

*University of California, Santa
Barbara*

JOHN RURY

University of Kansas

NORA SABELLI

SRI International

WILLIAM SANDOVAL

University of California, Los Angeles

WILLIAM SCHMIDT

Michigan State University

HEIDI SCHWEINGRUBER

National Academy of Science

LORRIE SHEPARD

University of Colorado, Boulder

LEE SHULMAN

Stanford University (Emeritus)

GENEVIEVE SIEGEL-HAWLEY

Virginia Commonwealth University

JOHN SIPPLE

Cornell University

CATHERINE SNOW

Harvard University

JAMES SPILLANE

Northwestern University

WAYNE URBAN

University of Alabama

JOHN WILLINSKY

Stanford University

ANAT ZOHAR

Hebrew University of Jerusalem

AMERICAN EDUCATIONAL RESEARCH ASSOCIATION

Tel: 202-238-3200 Fax: 202-238-3250

<http://www.acra.net/pubs>

FELICE J. LEVINE
Executive Director

MARTHA YAGER
Managing Editor

JOHN NEIKIRK
Director of Publications

JESSICA SIBOLD
Publications Associate

Contents

Introduction

- Education Research: A Century of Discovery ix
Authors: *Patricia A. Alexander, Felice J. Levine, and William F. Tate IV*

I. The Research Enterprise and the Doing of Education Research

1. The Federal Role in Education and the Rise of Social Science Research: Historical and Comparative Perspectives 1
Author: *Nancy Beadie*
2. Scholarly Communication in AERA Journals, 1931 to 2014 38
Authors: *Raf Vanderstraeten, Frédéric Vandermoere, and Maarten Hermans*
3. The Impact of Political Context on the Questions Asked and Answered: The Evolution of Education Research on Racial Inequality 62
Authors: *Amy Stuart Wells and Allison Roda*
4. Assessment Gaze, Refraction, and Blur: The Course of Achievement Testing in the Past 100 Years 94
Authors: *Eva L. Baker, Gregory K. W. K. Chung, and Li Cai*
5. The Question of School Resources and Student Achievement: A History and Reconsideration 143
Authors: *Larry V. Hedges, Terri D. Pigott, Joshua R. Polanin, Ann Marie Ryan, Charles Tocci, and Ryan T. Williams*
6. Implementation Research: Finding Common Ground on What, How, Why, Where, and Who 169
Authors: *Jeanne Century and Amy Cassata*

II. The Contexts of Education

7. Education Research and the Shifting Landscape of the American School District, 1816 to 2016 216
Authors: *David A. Gamson and Emily M. Hodge*
8. The Political Economy of Market-Based Educational Policies: Race and Reform in Urban School Districts, 1915 to 2016 250
Authors: *Janelle Scott and Jennifer Jellison Holme*

9. Constructing and Reconstructing the “Rural School Problem”: A Century of Rural Education Research	298
Authors: <i>Catharine Biddle and Amy Price Azano</i>	
10. From Vocational Education to Career Readiness: The Ongoing Work of Linking Education and the Labor Market	326
Authors: <i>Shaun M. Dougherty and Allison R. Lombardi</i>	
11. The Organization of Informal Learning	356
Authors: <i>Barbara Rogoff, Maureen Callanan, Kris D. Gutiérrez, and Frederick Erickson</i>	
 III. The Process and Substance of Learning	
12. Exploring a Century of Advancements in the Science of Learning	402
Authors: <i>P. Karen Murphy and Stephanie L. Knight</i>	
13. Understanding and Promoting Thinking About Knowledge: Origins, Issues, and Future Directions of Research on Epistemic Cognition	457
Authors: <i>William A. Sandoval, Jeffrey A. Greene, and Ivar Bråten</i>	
14. Research in Mathematics Education	497
Author: <i>Alan H. Schoenfeld</i>	
15. Science Education: From Separation to Integration	529
Authors: <i>Marcia C. Linn, Libby Gerard, Camillia Matuk, and Kevin W. McElhaney</i>	
16. The Metatheoretical Assumptions of Literacy Engagement: A Preliminary Centennial History	588
Authors: <i>George G. Hruby, Leslie D. Burns, Stergios Botzakis, Susan L. Groenke, Leigh A. Hall, Judson Laughter, and Richard L. Allington</i>	
17. Advancing the Science and Practice of Social and Emotional Learning: Looking Back and Moving Forward	644
Authors: <i>David Osher, Yael Kidron, Marc Brackett, Allison Dymnicki, Stephanie Jones, and Roger P. Weissberg</i>	
 IV. The Changing Attention to Diversity and Differences	
18. Gender and Education	682
Authors: <i>Lucy E. Bailey and Karen Graves</i>	

19. Rehumanizing the “Other”: Race, Culture, and Identity in Education Research	723
Authors: <i>Jennifer M. Langer-Osuna and Na'ilah Suad Nasir</i>	
20. Making the Visible Invisible: Willful Ignorance of Poverty and Social Inequalities in the Research-Policy Nexus	744
Authors: <i>Jeanne M. Powers, Gustavo E. Fischman, and David C. Berliner</i>	
21. Objects of Protection, Enduring Nodes of Difference: Disability Intersections With “Other” Differences, 1916 to 2016	777
Authors: <i>Alfredo J. Artiles, Sherman Dorn, and Aydin Bal</i>	
22. Connecting the Present to the Past: Furthering the Research on Bilingual Education and Bilingualism	821
Authors: <i>Doris Luft Baker, Deni Lee Basaraba, and Paul Polanco</i>	
About the Editors	884
About the Contributors	886
Cover image © Exarte Design	