STANDARDS DEVELOPMENT STAFF
Harold Asturias, Academic Advancement, University of California Office of the President
Pam Beck, Academic Advancement, University of California Office of the President
Ann Borthwick, Learning Research and Development Center, University of Pittsburgh
Bill Calder, Fort Worth Independent School District, TX
Shannon C’de Baca, Thomas Jefferson High School, Council Bluffs, IA
Janet Coffey, Edmund Burke School, Washington, DC
Duane A. Cooper, Center for Mathematics Education and Department of Mathematics, University of Maryland
Phil Daro, Academic Advancement, University of California Office of the President
Mishaa DeGraw, Academic Advancement, University of California Office of the President
Diana Edwards, Learning Research and Development Center, University of Pittsburgh
Gary Egan, Learning Research and Development Center, University of Pittsburgh
JoAnne Eresh, Learning Research and Development Center, University of Pittsburgh
Sally Hampton, Fort Worth Independent School District, TX
Drew Kravin, Cornell Elementary School, Albany, CA
Georgia Makris, Academic Advancement, University of California Office of the President
Mary Marsh, Fort Worth Independent School District, TX
Megan Martin, Academic Advancement, University of California Office of the President
Evy McPherson, Academic Advancement, University of California Office of the President
Kate Nolan, Learning Research and Development Center, University of Pittsburgh
Andy Plattner, National Center on Education and the Economy
Lonny Platzer, Learning Research and Development Center, University of Pittsburgh
Mark Rasmussen, Cornell Elementary School, Albany, CA
Jennifer Regen, Fort Worth Independent School District, TX
Christine Ross, Learning Research and Development Center, University of Pittsburgh
Annette Seitz, Learning Research and Development Center, University of Pittsburgh
Ann Shannon, Academic Advancement, University of California Office of the President
Liz Spalding, National Council of Teachers of English
Elizabeth Stage, Academic Advancement, University of California Office of the President
Dick Stanley, Dana Center, University of California at Berkeley
Cathy Sterling, Academic Advancement, University of California Office of the President
John Tanner, Fort Worth Independent School District, TX
Ginny Van Horne, Education and Human Resources, American Association for the Advancement of Science

ACKNOWLEDGMENTS
Peter Afflerbach, University of Maryland
Bob Anderson, California Department of Education
Laura Arndt, Eaglecrest High School, Aurora, CO
Rob Atterbury, San Diego City Schools, CA
Linda Ballenger, West Park Elementary, Fort Worth, TX
Jerry Bell, Education and Human Resources, American Association for the Advancement of Science
Neal Berkin, White Plains Schools, White Plains, NY
Victoria Bill, Institute for Learning, Learning Research and Development Center, University of Pittsburgh
Linda Block-Gandy, Mountainview Elementary, CO
Greg Bouljon, Bettendorf Middle School, IL
Rupi Boyd, Taft Junior High School, CA
Diane Briars, Pittsburgh Public Schools, PA
Melanie Broutos, Frick International Studies Academy, Pittsburgh, PA
Shirley Patton Brown, West Memphis High School, West Memphis, AR
Hugh Burkhardt, Shell Centre for Mathematics Education, Nottingham, England
Charlotte Burrell, Trimble Tech High School, Fort Worth, TX
Jill Calder, Wedgewood Sixth Grade School, Fort Worth, TX
Ruben Carriedo, San Diego City Schools, CA
Linda Carstens, San Diego City Schools, CA
Cynthia Carter, New York City Lab School, NY
Sharon Chambers, Forbes Elementary School, Penn Hills, PA
Miriam Chaplin, National Council of Teachers of English
Phyllis Chapman, Linden Elementary School, Pittsburgh, PA
Lynda Chittenden, Park Elementary, Mill Valley, CA
Farn Claggett, Forestville, CA
Doug Clarke, Australian Catholic University, Australia
Gill Close, King’s College, University of London, England
Laurel Collins, Linton Middle School, Pittsburgh, PA
Kathy Comfort, California Department of Education
John Davis, Langley High School, Pittsburgh, PA
Marshé DeLain, Delaware Department of Public Instruction
Dot Down, Dublin High School, CA
Mark Driscoll, Education Development Center, Newton, MA
Xandra Williams Earlie, Aldine Independent School District, Houston, TX
Phyllis Eisen, National Association of Manufacturers
Marcia Elliott, Somers Public Schools, CT
Ed Esty, Independent Consultant, Chevy Chase, MD
Alan Farstrup, International Reading Association
Harry Featherstone, Featherstone & Associates, Wooster, OH
Susan Fineman, East Hill ISA, PA
Donna Foley, Parker School, Chelmsford, MA
Amanda Frohberg, PS 41, New York, NY
Karen Fujii, Bucher Middle School, Santa Clara, CA
Matt Gandal, American Federation of Teachers
Don Geary, Linton Middle School, Pittsburgh, PA
Roger Gehman, Linton Middle School, Pittsburgh, PA
Karrie Gengo, Meadowdale High School, Lynnwood, WA
Judy Goldfeder, PS 116, New York, NY
Amy Granatire, Penn Hebron Elementary School, Pittsburgh, PA
Eunice Greer, University of Illinois
Susan Halbert, National 4-H Council
Mike Hale, Council Bluffs Community Schools, Council Bluffs, IA
Jerry Halpern, Langley High School, Pittsburgh, PA
Shirley Brice Heath, Stanford University
Rae Ann Hirsh, Penn Hebron Elementary School, Pittsburgh, PA
Bonnie Holle, Princeton Institute for Research, New Haven, CT
Bill Honig, San Francisco State University
Kathy Howard, Reizenstein Middle School, Pittsburgh, PA
David Hughes, Linton Middle School, Pittsburgh, PA
Beth Hultbert, Barre City Elementary School, VT
Sharon Woods Hussey, Girl Scouts of the U.S.A.
Robin Ittigson, Minadeo Elementary School, Pittsburgh, PA
Tom Jones, National Alliance for Restructuring Education
Nancy Kellogg, CONNECT, Colorado Department of Education
Don King, Department of Mathematics, Northeastern University, Boston, MA
Denis Krzyinski, Vann Elementary School, Pittsburgh, PA
Brian Lawler, Eaglecrest High School, Aurora, CO
Lyn Le Countryman, Price Lab School, IA
Steve Leinwand, Connecticut State Department of Education
Jane Lester, New York City Lab School, NY
Denise Levine, New York City Community District 2, NY
Linda Lewis, Fort Worth Independent School District, TX
Debra Liberman, Fells High School, Philadelphia, PA
Bob Livingston, Pennsylvania Department of Education
Anthony Lucas, Duquesne University, Pittsburgh, PA
Denise Lutz, Peabody High School, Pittsburgh, PA
Susan MacArthur, South Portland High School, South Portland, ME
Gary MacDonald, Junior High School, Greely, CO
Shirley Malcom, American Association for the Advancement of Science
Kelly Maloney-Fermoie, Carrie E. Tompkins School, Croton-on-Hudson, NY
Rich Matthews, Pittsburgh Public Schools, PA
Ken McCaffrey, Brattleboro Union High School, VT
Jim Meadows, Mountlake Terrace High School, Mountlake Terrace, WA
David Mintz, National Alliance for Restructuring Education
Harriet Mosatche, Girl Scouts of the U.S.A.
Jo Ann Mosier, Kentucky Department of Education
Tim Moynihan, Mountlake Terrace High School, Mountlake Terrace, WA
Monty Multanen, Edmonds School District, WA
Sandy Murphy, University of California at Davis
Martha Murray-Zinn, Wedgwood Middle School, Fort Worth, TX
Miles Myers, National Council of Teachers of English
Tienne Myers, Hancock Elementary School, Philadelphia, PA
Christina Myren, Acacia Elementary School, Thousand Oaks, CA
Joseph Newkirk, School for the Physical City, New York, NY
Lee Odell, Rensselaer Polytechnic Institute, Troy, NY
Gary Oden, Institute for Learning, Learning Research and Development Center, University of Pittsburgh
Alan Olds, Standley Lake High School, Westminster, CO
Marian Opey, Penn Hills Senior School, Pittsburgh, PA
Ann Osborne, Linton Middle School, Pittsburgh, PA
Jean O'Shell, Linton Middle School, Pittsburgh, PA
Kevin Padian, Department of Integrative Biology, University of California at Berkeley
Dennie Palmer Wolf, Harvard PACE
Tim Patterson, Mountlake Terrace High School, Mountlake Terrace, WA
Risa Payne, Wedgwood Middle School, Fort Worth, TX
David Pearson, University of Illinois
Charles Peters, Oakland Michigan Schools, MI
Marge Petit, Vermont Institute for Mathematics, Science, and Technology
Cindy Phillips, Tri City Elementary, Myrtle Creek, OR
Marcia Pink, Newport High School, WA
John Porter, National Alliance for Restructuring Education
Robert Probst, University of Georgia
Fred Quinones, Overland Trail Middle School, Brighton, CO
Susan Radley, Teachers College Writing Project at Columbia University, NY
Donald Raintree, Universal Dynamics Inc., Woodbridge, VA
Lynn Raith, Pittsburgh Public Schools, PA
Ginny Redish, Redish & Associates, Inc.
Eeva Reeder, Mountlake Terrace High School, Mountlake Terrace, WA
Susan Rowe, Bonneville School, CT
Don Rubin, University of Georgia
Carmen Rubino, Eaglecrest High School, Aurora, CO
Robert Rueda, University of Southern California
Marge Sable, National Alliance for Restructuring Education
Sandy Short, Hillview Crest Elementary School, New Haven Unified School District, CA
Cheryl Sims, School for the Physical City, New York, NY
Sandy Smith, Harrison High School, Aurora, CO
Dave Steward, John Evans Jr. High School, Greeley, CO
John Swan, National Student Research Center, Mandeville, LA
Carol Tateishi, Bay Area Writing Project
Johnny Tolliver, Delaware State University
Cathy Topping-Wiese, U-32 Junior/Senior High School, Montpelier, VT
Lora Turner, A. Leo Weil School, Pittsburgh, PA
Ann Tweed, Eaglecrest High School, Aurora, CO
Zalman Usiskin, The University of Chicago School Mathematics Project
John Vibber, Mr. Abraham Union High School, Briston, VT
Dale Vigil, San Diego City Schools, CA
Rhonda Wagner, Cherry Creek Schools, Englewood, CO
Brenda Wallace, New York, NY
Anne Weinstock, PS 116, New York, NY
Eric Weiss, U-32 Junior/Senior High School, Montpelier, VT
Sandra Wilcox, Michigan State University
Arnold Willens, PS 41, New York, NY
Ann Marie Williams, PS 41, New York, NY
Darby Williams, Sacramento County Office of Education, CA
Scott J. Wolff, Davenport West High School, IA
Victoria Young, Texas Education Agency
Judi Zawojewski, National-Louis University, Evanston, IL

**MATERIALS USED WITH PERMISSION**

“Miss Sadie” student work. From Student Essays Illustrating the CAP Rhetorical Effectiveness Scoring System. Copyright 1992 by California Department of Education, 721 Capital Mall, 4th Floor, Sacramento, CA 95814.


“Light Reflection” research format and student work. From The Student Researcher. National Student Research Center, Dr. John I. Swang, Mandeville Middle School, 2525 Soutl Street, Mandeville, LA 70448. Tel. 504-626-5980 or nscrms@aol.com.


**REFERENCES**


SELECT BIBLIOGRAPHY


NEW STANDARDS PRODUCTS AND SERVICES: WHERE TO FIND WHAT YOU NEED

These performance standards serve as the basis of design specifications for the New Standards reference examinations and portfolios, which in turn provide information about performance to students, teachers, and parents.

But the performance standards cannot by themselves provide all of the information students and teachers will need in order to improve student performance in the core subjects.

Therefore, we include here some of the common requests we encounter from people who have begun to use the performance standards, along with information about the New Standards resources available to answer those requests.

- Where can I find samples of student work that do not yet meet the standards? What about rubrics and scoring guides?

New Standards Released Tasks contain sample tasks, scoring rubrics, and samples of student work at all of the score points given in the rubrics. Released Tasks can be ordered from Harcourt Brace Educational Measurement (Tel. 800-228-0752).

- Clearly, many parts of the performance standards can only be assessed through some kind of portfolio system. Does New Standards offer portfolios?

Yes—the New Standards portfolios in Mathematics, Science, English Language Arts, and Applied Learning are constructed to link directly to the performance standards. Portfolios are available individually, in classroom sets, and in sampler packets. Portfolios can be ordered directly from New Standards (Tel. 888-361-6233).

- Our school district is using the performance standards to improve teaching and learning. We want standardized tests that can tell us how our students are doing based on the standards. What does New Standards offer?

The New Standards reference examinations are available in English Language Arts and Mathematics for grades 4, 8, and 10. The examinations are designed using the performance standards as their foundation. Score reports for the reference examinations tell teachers and students about the quality of student work by referring to the performance standards. To order reference examinations, call Harcourt Brace Educational Measurement (Tel. 800-228-0752).

- In order to move to a standards-based district, we need professional development and consulting for teachers and central office staff. Can New Standards help us with this?

New Standards consultants can provide on-site services in several areas, including professional development, public engagement, strategic planning, standards linking, and technical issues involved with performance assessment. To discuss services needed by your school or district, call the Office of State and Local Relations, located at the National Center on Education and the Economy (Tel. 202-783-3668).