## Index

Accountability: changing standards for, 259; commonsense steps for, 307-8; decentralization and, 310-11; development of (Texas), 305-6; educators and academic results, 307-8; evaluation of Kentucky programs for, 297-99; individual program evaluation and, 320; Kentucky "thresholds" and, 252-53; leadership and, 306-7; methods for setting standards for, 259-60; need for more attention on high school performance, 319; opposition to (in Texas), 308; and the result of educational efforts, 311; school choice and, 20-21; special interests and, 20; and systemic change in Texas, 315-16; tests and, 19-20; Texas testing program, 308-9 Advanced Placement courses, 41 American Educational Research Association (AERA), 28-29, 30, 37, 38, 58

- Angoff method, 259
- Assessment: classroom teachers and, 101–2; instructional practices and, 228; need for earlier and wider use in Texas, 318; and raising the bar for all Texas schools, 318; results in Texas, 316–17; and social promotion, 318–19
- Assessment systems: determining test validity, 99–100; validity and, 100–102
- Assessment tests: criterion-referred instruments in Texas, 309; minority performance on multiple-choice, 286; multiple-choice versus other forms, 284–88; reasons for not using multiple-choice format, 285–86 Authentic-testing movement, 13

Authentic tests, 12–13

Best Practices in Ungraded Classrooms, 278 Bishop, John, 52–53 Blanchard, Paul, 247 Bush, George W., and education reform in Texas, 306–7 California Learning Assessment System (CLAS), and portfolio assessment, 205–6

- California Science Curriculum Framework (2002), 138
- Cannell, John J., 43-44
- Catterall Report, 266
- Center for Research on Evaluation, Standards, and Student Testing (CRESST), 29
- Center for the Study of Testing, Evaluation, and Educational Policy (CSTEEP): and defining how higher-order thinking is tested, 50; study of commercially available tests, 47–48; and teaching to the test, 43
- Centralized funding and performance of U.S. schools, 7–8
- Change scores, 267-68
- Charter schools, 21, 22
- Chicago Charter School Foundation, 21-22
- Chicago Public High Schools, 134
- Chicago Public Schools: reading and math correlation in, 136–37; social promotion policy changes in, 12; summer program in, 12
- Citizen criticism and local schools, 312
- Classroom teachers: and assessments, 101-2; coaching versus assessing mode, 114
- Clay, Marie, 92
- Cliffs Notes book, 49
- Cody, Wilmer, 273-74
- Cognitive inflation in test frameworks, 131–33
- Cognitive science and accountability systems, 273–74
- Coleman, James, 19
- Commonwealth Accountability Testing System (CATS): administration of, 251–54; adoption of, 250; content standards and test development, 274; evaluation of, 297–99; restandardizing, 256–57, 258–64, 269; school performance under, 258–64; start of, 202; student and public response,

250-51; test formats and, 285-86; testing program under, 251-52 Comprehensive Test of Basic Skills (CTBS-5), 251 Consolidation and school performance, 8 Constructed response items: cost of, 287; description, 273; information provided by, 287-88; versus multiplechoice, 285, 288 Constructive tests for accountability, x-xi Constructivism, 42-43, 64-65 Constructivist methods of teaching, 135 Content standards: creation of, 275; in Kentucky, 275–76; and length of school day, 276; and test construction, 274 Cooper, Harris, 12 Corns, Judge Ray, 245 CRESST estimate of test costs, 55, 56-59 Criterion-referenced assessment (CRT), 278-79 CSTEEP: estimate of test costs, 55, 56; testing survey by, 59 CTB Bookmark method, 254, 260, 283 Curriculum narrowing, 45-46 Curriculum policy, U.S., 145-46 Curriculum reform and portfolio assessment, 211-13 Defective assessment examinations, 12-14 Different Drummers (Public Agenda), 64 Disabled reader, characteristics of, 85-88 Discovery-based learning: defined, 179; implementation and, 179; and Japanese teaching methods, 179-80; theory of, 180 Distance learning, 18–19 Dropout rate and high-stakes tests, 38-39 Early education and the "wait and see" attitude, 83-84 Early intervention: goal for, 117; impediments to, 83-89; and students with poor reading skills, 83 Early Literacy Portfolio (South Brunswick Schools), 93-94 Educational Economic Policy Center (Texas), 305 Educational philosophy, conflicting in Kentucky, 277-78 Educational Testing Service, 230 Education methods: biased evaluations and, 17-18; evaluating, 16-17; research on, 17; self-evaluation and, 17-18;

technology and, 18-19; traditional versus progressive, 297-98 Education reform: and content standards, 271; and higher-level thinking, 272-74; portfolio assessment and, 197-98; progressive education philosophy and, 292; test construction methods and, 271-72 "The Effects of High-Stakes Testing on Achievement" (Koretz, Shepherd, et al.), 43 Evaluation of the Development and Implementation of KIRIS through December 1994 (KIER Report), 266 External pressure and education reform (Texas), 312–15

FairTest. See National Center for Fair and Open Testing (FairTest)
Fallout from the Testing Explosion: How 100 Million Standardized Exams Undermine Equity and Excellence in America's Public Schools (FairTest), 30
Federal government and funding of schools, 16
Florida, dropouts and high-stakes testing in,

Florida, dropouts and high-stakes testing in, 38–39

Getting By (Public Agenda), 65

Glaser, Robert, 278

Governance of schools: citizens and, 14; federal government and, 16; taxes and, 14–16

Governor's Business Council (GBC) in Texas, 314 Griffin, Brian, 38

Guitterrez, Robert, 277

Hands-on science investigations, value of in the classroom, 137 Haney, Walter, 37, 40, 55 Harmon, Maryellen, 48 Heidorn, Mark, 38 Herman, J., 233 Higher-order thinking: and SAT scores, 49; testing of, 49-50; value of, 50-51 High School and Beyond (HSB), 53 High-stakes testing: alleged harms of, 41-42; appraising criticisms of, 41-43; constructivism and, 42-43; cost of, 55-57; external multiple-choice, 42; lower-order thinking in instruction and, 46-47; lower-order thinking in test context and, 47-51; minorities

and, 53–55; versus no-stakes testing, 43; poorly performing states and, 52; press coverage of, 60; solutions to problems raised by, 61–63; and student achievement, 51–53; studies of, 52–53; supporters of, 60; test score inflation and, 43–45; women and, 53–54

High-stakes tests and dropout rate, 38–39 High-Stakes Tests Do Not Improve Student

- Learning (FairTest), 51–52
- Hobby, Bill, 306
- Hoke County (North Carolina), 35-36
- Home schooling, rise in, 22
- Hoxby, Caroline, 10
- Illinois Goals Assessment Program (IGAP), 134
- Iowa Test of Basic Skills, 233, 235
- Instructional practices and portfolio assessment, 212–13
- IQ scores and reading achievement, 84–85, 86
- Isle of Wight studies, 84
- Jaeger, Richard M., 37, 281-82
- Jaeger-Mills method, 260

Japanese teaching methods: for algebra, 172–74; analysis of, 174–75, 187–88; analysis of Japanese algebra lesson, 174–75; summary, 161–62; videotape of geometry class, 162–174

- Johnson County (North Carolina), 36–37
- Juel, Connie, 82–83
- Kentucky: accountability in, 297-99; assessment program in, 274-75; assessment system and poor academic achievement in, 298-99; changing accountability standards in, 258-60; and claims about student performance, 270; Commonwealth Assessment Test System (CATS), 250-68; conflicting educational philosophies in, 277-78, 297-98; content standards, 275-76; content standards and test creation in, 274; evaluation of portfolio assessment in, 210-11; Kentucky Instructional Results Information System (KIRIS), 56, 202-3; philosophy and educational reform in, 264-65; political and business response to educational quality in, 264; portfolio assessment in, 202-4;

portfolio assessment and curriculum changes in, 212–13; reform of public schools in, 245–48; school accountability in, 202–3; school accountability index, 252–56; school performance in, 256–64; test formats

- and, 284–86; testing in, 56; "thresholds" and schools in, 252–53; use of change scores for schools in, 267–68; use of graders, 282–83
- Kentucky Education Reform Act (KERA): formation of, 202, 245; and changes in Kentucky educational system, 247; and higher-level thinking, 272–74; and instructional philosophy, 276–78; requirement for ungraded primary classes, 277
- Kentucky Instructional Results Information System (KIRIS): cash bonuses for teachers and, 254; and the change to Commonwealth Assessment Test System (CATS), 250-52, 254-56; components of, 202-3; content standards and test development, 274; cost of, 246; description of, 56; design of, 265; Distinguished Educators, 254; effect of HB 53 on, 254-55; evaluating the technical qualities of, 265-66; evaluation of, 297-99; improvement under, 257; legislative changes to (1998), 249-51; matrix sampling and, 292; performance assessment and, 248-49; and portfolio assessment, 293-97; pressure to get system up and running, 265; reliability of, 266-68; teachers and, 254; validity of, 268-69

Kentucky Instructional Results Information System: A Technical Review, 266 Kentucky "thresholds," 252–53 KIER Report, 266

Koretz, Daniel, 31, 43, 55

Lake Wobegon Effect, 44-45, 227

- Large-scale assessments: authentic tests and, 13–14; traditional classroom examinations and, 14
- Lerner, Barbara, 39
- Linn, Robert L., 91
- Lower-order thinking: testing of, 50–51; value of, 50–51
- Madaus, George, 48, 55, 57 Mastery learning, 278

Matrix sampling, 291–92

- Mehrens, William A., 221-22
- Meisels, Samuel J., 96-98
- Miller, Charles, 305
- Minority students, quality of education and, 54
- Modified Angoff method, 282
- Multiple-choice tests: bias and, 224; versus constructed response items, 287; delimited domain and, 226–27; influence of cognitive psychologists and, 225–26; irrelevant content, 224; item difficulty and, 286–87; Lake Wobegon effects, 227–28; main criticisms of, 223–28; measurement by recognition only, 224–25; minority performance on, 286; versus performance assessment, 232–33, 237–38; procedural knowledge and, 225; reasons for not using, 285–86
- Murray, David W., 54
- National Academy of Education, 31
- National Assessment Governing Board (NAGB), 32, 282
- National Assessment of Educational Progress (NAEP): goal of, 291-92; history of, in U.S., 30-32; Kentucky scores, 247-48; math test and question construction, 130-31; math test and use of language, 132-33; and need for test redesign, 152-53; as performance-based assessment 90; portfolio assessment trial, 205; and school accountability in Kentucky, 248; science test and question construction, 129-30; science test and use of language, 132-33; science test correlation with reading, 133; score reporting of, 282; Texas performance, 34
- National Center for Education Statistics, 31, 139
- National Center for Fair and Open Testing (FairTest): rating of North Carolina testing system, 39; on TAAS program, 33
- National Commission on Excellence in Education, 12
- National Council of Teachers of Mathematics (NCTM): teacher knowledge of, 135; teaching standards of, versus Japanese, 182–83

National Education Longitudinal Study, 53

- National Research Council, 81
- National Science Foundation (NSF)
- Systemic Initiative Grant, 137 A Nation at Risk (National Commission on
- Excellence in Education), 12 Neill, Monte, 33
- "A New Accountability System for Texas Public Schools" (Educational
  - Economic Policy Center), 305
- New Standards Project test, 90
- No Child Left Behind legislation, 117
- Norm-referenced measurement for school comparisons and student assessment, 279–81
- Norm-referenced tests (NRTs), 278-79
- North Carolina: help for poorly performing schools in, 35–36; high-stakes testing in, 37–38; Hoke County, 35–36; Johnson county, 36–37; raising the bar in, 61; testing in, 61–62; valueadded rating system in, 35
- Observation Survey test battery, 92
- OEA Report, 266, 268
- OECD. See Organization for Economic Cooperation and Development
- Organization for Economic Cooperation and Development (OECD): 1991 survey, 57–58; pioneering value-added indicators and, 6; student progress in members of, 4
- Pearson, P. David, 99-100
- Peltzman, Samuel, 10
- Performance assessment: and accountability, 221-23, 229-30; accountability versus instruction and, 230; costs and, 230; described, 222-23; domains and, 232-33; equating scores and, 236-37; ethnic group differences and, 237; exam security and, 229; factors supporting, 223; in Kentucky, 249; lack of data regarding generalizability of, 234; and large-scale assessments, 288-91; legal issues and, 231; matrix sampling versus every-pupil testing, 229; versus multiple-choice testing, 232-33, 237-38; need for more research on, 237; professional credibility and, 231-32; and public acceptance, 230-31; and scaling of data, 236; subjectivity of scoring and,

235–36; threats to availability in, 234–37; and the unit of reporting, 236–37; use for accountability, 222; validity of, 232–34

- Performance Events: elimination of, 290–91; instability of, 291; and the Kentucky school index, 249; trial use of, 289–91
- Performance standards, setting, 281-84
- Perot, Ross, 304

Phillips, Gary W., 31

- Phonological Awareness and Literacy Screening (PALS), 98–99
- Picus, Larry, 55
- Portfolio assessment: as an accountability tool, 206-11; assistance to students and, 293-94, 295; in California, 205-6; characteristics of implemental systems for, 200-201; costs and burdens of, 213-16; as a curriculum reform tool, 211-13; and demands on classroom time, 215; described, 198-200; ethical guidelines and, in Kentucky, 295-96; ethical guidelines and the teaching of writing in, 295-96; evidence about, 201-6; guidelines, 198; and instructional practices, 212-13; in Kentucky, 202-4, 208, 210, 249, 293-97; and large-scale assessments, 293; and the NAEP, 208-9; NAEP trial of, 205; and negative effects in high-stakes context, 213; OEA panel recommendation, 296; operational costs of, 214; in Pittsburgh, PA, 204-5, 209; pressure on teachers and, 294; professional response to, 216; purpose of, 199; reliability of, 207-9, 294; teachers and, 214-15, 216; use of the writing process method in, 296; utility of, 216-17; validity of, 209-10, 293, 294; in Vermont, 201-2, 207-8, 209
- Preventing Reading Difficulties in Young Children (National Research Council), 81–82
- The Primary Assessment of Language Arts and Mathematics (PALM), 95–96

The Primary Language Record, 94–95

Public Agenda national survey (1996): high school student responses, 10; and measuring standards, 11; survey of African-Americans, 54–55; teacher educator responses, 10–11 Ranking student performance, in U.S. versus other nations, 4–5

- Reading: and characteristics of disabled readers, 85–88; and early intervention for students with poor skills, 83; impediments to early assessment, 83–89; and oral language skills, 88–89; persistence of early problems with, 82–83, 86; phonological awareness and, 88
- Reading assessment: authentic, 91–92; early, 81–83; false negative rates and, 110–11; false positive rates and, 110–11, 116–17; formal, 89–91; impediments to early, 83–89; multiple-choice formats and, 91; Texas Primary Reading Inventory (TPRI), 102–13; usefulness of early, 116–17
- Reading disabilities: characteristics of 85–88; causes of, 86–87; heritability and, 87
- Reading Recovery program, 92-93
- Reform programs, setting up, 279–80 "On the Relative Value of Multiple-Choice,
- Constructed-Response, and Examinee-Selected Items on Two Achievement Tests" (Lukhele, Thissen, and Wainer), 287

Rose vs. Council for Better Education, 245–46

SAT, and impact of courses taken, 53-54

SAT I: cost and benefit of, 40; customer response to, 41; impact of, 40; use of, in college admissions, 39–40

Scholastic Assessment Test. See SAT I

School accountability. See Accountability

- School assessments and setting cut-points, 256
- School boards and accountability, 8
- School choice: consumer preferences and, 21–22; examinations and surveys and, 20–22; funding for, 22; impact on public schools, 21; Milwaukee (Wisconsin) program, 20–21; scholarships and, 22; surveys about, 21
- School reform: in Texas, 304–6; and the Texas business community, 304–5; wide participation in, 304–5
- Science and math competency: correlation with reading competency, 133–35; and need for test redesign, 152–53
- Science curriculum (California), 138
- Shepard, Lorrie, 43, 45, 46
- Slavin, Robert, 277
- Smith, Mary Lee, 42

Public Agenda poll, 28

- Social promotion: as alternative to standardized testing, 63; changing policies for, 12; failing students and, 11–12; teacher effectiveness and, 11; in Texas, 318–19
- A Splintered Vision (U.S. TIMSS National Research Center), critique of study behind, 140–46
- Stake, Robert, 58
- Standardized tests, reliability and, 266-67
- Standards and assessment, 114-15
- Standards-based assessment: described, 280; versus norm-referenced measurement, 280–81; setting standards prior to student performance, 283–84;
- Standards for Educational and Psychological Testing (Joint Standards) (American Psychological Association), 231, 278–79
- Stanford Achievement Test-10, 90
- State NAEP: history of, 32; opposition to, 31; and standards-based reporting of scores, 32
- State standards and performance of U.S. schools, 7
- State testing policies, xi
- Student invention of solutions: claims for, 175–77; goals for, in U.S., 179; illusion of, 189; need for, 185–86; and problem solving, 186. (*See also* Discovery-based learning)
- Student performance: claims about, 270; U.S. versus other nations, 4–5; valueadded comparisons, 5–6
- Summer slump, 12
- Systemic change in Texas, 315
- Teacher evaluations, reliability of, 63–64 Teacher performance: lack of merit incentives and, 11; rare measurement and reward for good, 11
- Teachers, accountability of, 9
- Teachers' unions: membership, 9; performance of, 9–10; success of versus student results, 10
- Teacher training: and academic achievement, 276–77; importance of learning process to, 64
- Teaching methods: analysis of Japanese, 174–75, 187–88; analysis of Japanese algebra class, 174–75; curriculum standards and, 47; Japanese, 161–62; Japanese, for algebra, 172–74; Japanese, for math, 185–89; Japanese

versus U.S., 180–81; U.S. reforms and Japanese, 181–82; U.S. versus Japanese, 180–81; videotape of

- Japanese teacher, 162–74
- Technology: distance learning, 18–19; identifying promising, 18–19
- Test format and level of thinking tested, 48–49
- Test frameworks, cognitive inflation in, 131–33
- Testing: accountability and, 19-20; alleged harms of high-stakes, 41-42; and cognitive inflation, 131-33; concern for children and, 58; constructive uses of, ix-x; high-stakes, 27-28; in Kentucky, 56, 202-3, 250-68, 284-86; level of U.S. versus other countries, 57-58; and need for test redesign, 152-53; in North Carolina, 61-62; opposition to, 27-30; opposition to formats for, 33; organizations opposing, 29-30; versus other options, 62-64; potential of, xii-xiii; professional response to, 27-28; and public policy, vii-viii; public response to, 27-28; purposes of, vii-viii; reasons for opposing, 29; reliability and, 101; misuse of results of, 60-61; surveys of attitudes toward, 58-60; in Vermont, 52
- "Testing America's Schoolchildren" symposium, xiii
- Testing fairness: and changes in state education agencies, 61; for women and minorities, 53–55
- Tests: not all good, 128–30; productivity of U.S. schools and, 3–4; uses of, 3
- Test score inflation: idea behind, 43; school responses to, 44–45
- Test validity: determining, 99–100; and predictive validity, 100–102
- Texans for Education (TFE), 313
- Texas: accountability in, 307–10; annual campus report cards in, 309; assessment abuses in, 317; challenges in, 318–21; decentralization in, 310–11; education reform in, 304–6; encouraging results in, 316–17; external pressure in, 312; field response to assessment system in, 309–10; leadership in, 306–7; minority student performance in, 317; national test scores in, 303; promotion practices in, 306–7; pupil achievement in, 33;

school choice in, 316; systemic changes in, 315–16; TAAS program, 32–35; tie between authority and responsibility in, 311

- Texas Assessment of Academic Skills (TAAS): benefits of, 34; case study of, 32–35; lawsuits and, 33; makeup of, 308–9; and NAEP, 34; political support for, 35
- Texas Assessment of Knowledge and Skills (TAKS) Test, 90, 309
- Texas Business and Education Coalition (TBEC), 313
- Texas Primary Reading Inventory (TPRI): administering, 106–7; development and structure, 103–6; and instruction, 114–16; professional development and, 113–14; recent changes to, 107–9; use of, 102; validation of, 109–13; validity and, 101
- Textbooks, U.S. versus other nations, 145-51
- Third International Mathematics and Science Study (TIMSS): Japanese performance on, 161–63; report by U.S. TIMSS National Research Center versus NCSE report, 140–41; reports about, 140–42; unrealistic U.S. views of performance, 139; U.S. performance, 138–39
- Thomas B. Fordham Foundation, 4
- Tierney, Robert J., 101
- TIMSS Repeat (TIMSS-R), 153-54
- TIMSS videotape classroom studies: analysis of Japanese teaching methods, 171–73, 174–75, 187–88; data coding and, 187; Japanese geometry class,

162–64; of Japanese teaching methods, 161–62

- U.S. General Accounting Office (GAO) survey of testing costs, 55–56
- U.S. school districts, number and size of, 8
- U.S. schools, poor performance of: and Board accountability, 8–9; centralized financing of, 7–8; governance and, 14–16; individual teacher performance and, 11; lack of incentives and, 10–11; lack of state standards and, 7; management and, 9–10
- U.S. schools, productivity of, 5
- U.S. TIMSS National Research Center, 140
- The Validity of Gains in Scores on the Kentucky Instructional Results Information System, 266, 268–69
- Value-added orientation as basis of accountability, 19–20
- Value-added scores, 5-6
- Vellutino, Frank R., 88

Vermont; mathematics portfolio assessment in, 212; portfolio assessment in, 209; portfolio assessment program in, 201–2; testing in, 52; Uniform Test, 202; Uniform Test scores versus portfolio assessment, 210

Videotaped classroom teaching, 161-89

The War on Testing (Murray), 54

- Whole-language movement, 13
- Woodcock-Johnson achievement test, 90
- The Work Sampling System (Meisels), 96-98
- Writing process method, in Kentucky, 296