

# Index

- Aarons, Greg, 9–10, 155–6, 157–8, 159–60
- Abecedarian Project, school readiness interventions and role of, 189
- ability, science teaching practices, effect of, 98–9
- ABRACADABRA reading intervention program
  - development of, 285–6
  - effectiveness studies of, 287
  - efficacy studies of, 286–7
  - evidence-based evaluation of, 286–93
  - scalability and sustainability issues, 290–2
  - teachers’ use of technology in, 287–92
- Abrami, P., 286–7
- acceptability
  - of comprehensive school reform, 175–6
  - of social-emotional interventions for young children, promotion of, 217–18
- accessibility, of school readiness interventions, barriers to, 195–6
- accountability, autism early intervention providers, 259–60
- action plan, in Problem Analysis Framework, agreement on, 142–3
- action research
  - benefits of, 407–8
  - brain research and foreign language teaching, 415
  - characteristics of, 405–8
  - classroom-based inquiry, 413–14
  - collaborative approach in, 417
  - critical reflection in, 406–7
  - defined, 403–4
  - dimensions of, 406
  - elements and phases of, 409–11
  - evolution of, 404–5
  - Implementation Science applications for, 11
  - metacognition and writing, 414–15
  - methodology, 408–11
  - peace education, 418–19
  - political orientation and social change, 417–19
  - program assessment and critical reflection through, 403–19
  - race and ethnicity issues in, 417–18
  - reading and writing improvement, 415–16
  - real-world context for, 411–12
  - rigor and ethics in, 408–9
  - self-awareness and identity in, 416–19
  - speaking and listening performance, 412–13
  - standards-based curriculum change and, 412–19
  - team approach to student teaching, 416–17
  - theory into practice in, 414–16
- adaptation
  - Collaborative Coaching and Learning (CCL) model and role of, 384–5
  - innovation and, 21–2
  - social-emotional interventions for young children sustainability and role of, 222–3
- adaptive leadership, characteristics of, 26–7

- adherence
  - improvement of school psychology services and, 124–5
  - school readiness interventions, outcomes assessment linked to, 193–5
- age, evidence-based practice attitudes scores and, 155–6
- agency, student engagement in school reforms and, 361–9
- alcohol use and abuse, leisure time management and, 319–23
- alphabetic skills development, for learning-disabled English language learners, *Lectura Proactiva* Spanish intervention program, 303–4
- Altman, D. G., 47
- American Journal of Community Psychology*, 323–4
- analyses of covariance (ANCOVAs)
  - experimental design, randomised controlled trials case study, 58–61
  - quasi-experimental design case study, 61–3
- analyses of variance (ANOVAs), quasi-experimental design case study, 61–3
- analytic phonics
  - ABRACADABRA reading intervention program, 286–7
  - debate concerning, 282–3
- Anderson, Gary, 417–18
- antecedent manipulations, autism and autism-spectrum disorders programs, 254–5
- applied science
  - autism early interventions, positive behavior support approach, 248–51
  - school psychology as, 114–16
- appropriate engagement intervention, autism and autism-spectrum disorders programs, 253–4
- a priori* standards
  - best evidence syntheses, 73
  - coding of research studies, 76–7, 81
- Archways program, 449
- Ask to think tel-why tool, cooperative and small-group learning and, 340
- assessment protocols, EcoFit model, student academic and behavior problems, 267–8
- Atlantic Philanthropies, 448–50
- attendance, Family Resource Center (FRC), student academic and behavior problems and, 268–70
- attitudes to innovation
  - evidence-based practice research and, 151–52
  - evidence-based review of science education and, 98–9
- autism, defined, 247–8
- autism early intervention providers
  - collaborative approach and contextual fit, 256–7
  - data analysis and interpretation, 259–60
  - dosage, intensity and engagement, 258–9
  - evidence-based practice attitudes scores and, 155–6
  - family focus in, 255–6
  - level 1 strategies, 251–3
  - level 2 strategies, 253–4
  - level 3 strategies, 254–5
  - longitudinal perspective on, 257–8
  - positive behavior support approach, 248–51
  - prevention and intervention strategies, 247–60
  - program implementation guidelines and recommendations, 255–60
- autism spectrum disorder (ASD), defined, 247–8
- Axford, Nick, 11–12
- background information, in Problem Analysis Framework, 140
- Bahr, M. W., 134–6
- baseline characteristics, randomised controlled trial analysis, 47
- Bedore, L. M., 299
- Behavior Analysis and Modification-based social competency programs, 233
- behaviors
  - child well being measurements, 425–6
  - Family Resource Center (FRC), student academic and behavior problems and, 268–70
  - leisure education programmes, evidence-based prevention interventions, risk behavior and, 315–16
  - as problem dimensions, in Problem Analysis Framework, 141
- Bennett, Judith, 92–107
- best evidence syntheses, 73
- best research practices
  - development phase of interventions and, 39–40
  - Implementation Science, 69–70
- bias
  - in experimental design, 56–7
  - randomised control trials, 41–4
- Bierman, K., 212–14
- Blase, Karen, 9
- Bodilly, S., 18
- Borntrager, C. F., 159–60
- Boston Plan for Excellence, Collaborative Coaching and Learning model and, 376–9
- Boud, D., 406–7
- Boyle, J., 58–61
- Boyle, James, 9

- Bremner, W. G., 233  
 Brennan, S., 24–5  
 Brightbill, Charles K., 316–17  
*Brighter Futures* program (BCC), 449–50  
 Brown Paper Performing Arts Project (BPPAP) (South Africa), 319–23  
 bureaucratic organizational structure, evidence-based practice attitudes scores and, 157–8  
 Bus, A. G., 278–80, 281–2  
 Bustingorry, Sonia, 417  
 buy-in, staff selection strategies and creation of, 23–4  
 Bybee, D., 347–9  
 Byrne, Maryann, 414  
 Bywater, Tracey, 9, 37–51  
  
 Caldwell, Linda, 10, 313–27  
 Cambridge Institute of Education, 405  
 Campbell, D. T., 64–5  
 Campbell Collaboration, 93–4  
 Campuzano, L., 284–5  
 Career Lattice, South Dakota child care professional development standards and, 397–8  
 Carey, A., 166–70  
 Carson, Terry, 418–19  
 Carter, M., 136–8  
 cascade training model, Implementation Science applications for, 11  
 Castellano, M., 18  
 categories of differentiation, fidelity of implementation and, 347–9  
 Caulfield, R., 395–400  
 Cawelti, G., 18  
 center-based intervention programs  
   ABRACADABRA reading intervention effectiveness and, 287–92  
   school readiness interventions and, 192  
 Center for Elementary Mathematics and Science Education (CEMSE), 347–9  
 Centre for Social Justice, 133–4  
 Century, Jeanne, 215–17  
*Challenge of Leisure, The* (Brightbill), 316–17  
 Chambless, D. L., 7–8  
 change  
   in action research, 417–19  
   contracting, entry and mapping of consultation regarding, 175–6  
   EcoFit model, student academic and behavior problems, parental motivation for, 267–8  
   educational policy, organizational consultation on, 165–81  
   engagement in planning for, 176–8  
   evidence-based practice attitude scores and, 151–52, 157–8  
   executive problem solving frameworks for, 132–46  
   professional leadership standards for, 171–2  
   program management for, 179–81  
   resource mobilization for, 178–9  
   school psychology services challenge concerning, 111–28  
 child care, evidence-based programs, 392–400  
   Common Language Method, 443–54  
   importance, benefits, and future implications, 393–4  
   practical issues and research obstacles, 394–5  
   professional development standardization, 395–400  
   South Dakota case study, present need and economic impact, 393  
 Child Development Associate (CDA), professional development standards for, 395–400  
 Child Guidance Movement  
   development of school psychology services and, 114–16  
   medical perspective of school psychology and, 116–17  
   Social Constructionist movement and, 117–19  
 Childhood Development Initiative (CDI), 448  
 child well being measurements  
   cross-school comparisons, 427–30  
   disaggregated data, school-level distribution, 429–30  
   epidemiological research, 426–7  
   evidence-based programs, outcome data and, 423–39  
   impaired children, proportions across schools, 428–9  
   Implementation Science applications for, 11–12  
   individual child screening, 433–4  
   instruments for, 437–9  
   matching school readiness interventions with child characteristics, 193–5  
   non-cognitive development, 423–5  
   outcome changes over time, monitoring of, 436  
   outcome prioritization, data analysis for, 430–1  
   population distribution of well-being, 427–37  
   population identification, intervention targeting using, 431–2  
   prevention and early intervention using data from, 431–2  
   professional development standardization concerning, 395–400

- child well being measurements (*cont.*)
  - program impact evaluation, 435–7
  - qualitative studies of child care programs, 393–4
  - radical approaches using data from, 432–3
  - school readiness interventions and
    - assessment of, 185
    - standardization of, 425–6
    - strengths and difficulties questionnaire, 425–6
- Chronbach's alpha analysis, evidence-based
  - practice attitudes survey, 152–3
- classroom environment
  - action research evaluations in, 413–14
  - school readiness interventions and
    - assessment of, 186–7
  - social-emotional interventions for young
    - children and role of, 212–14
  - student engagement in school reforms and, 364–5
- clinical research trials, reading interventions,
  - evidence-based programs, 277–84
- clinical significant change, number-needed-to-treat (NNT) analysis and, 48–9
- Clow, P., 74
- cluster randomised controlled trials, outcome
  - evaluation using, 46–50
- coaching skills development
  - Collaborative Coaching and Learning (CCL)
    - model, 385–7
  - as competency driver, 24–5
  - Implementation Science applications for, 11
  - instructional practices, improvement of, 373–87
  - rationale for, 374–6
  - social-emotional interventions for young
    - children and, 219–21
- Cochrane, A., 285
- Cochrane, Archibald, 93
- Cochrane Collaboration
  - medical research and, 93
  - systematic reviews by, 40
- Cochran-Smith, M., 407–8, 403–4
- coding applications in research
  - effect sizes, 77, 81–2
  - research synthesis and, 76–7, 81
  - students' discourse during cooperative and
    - small-group learning, 341
  - systematic reviews of science teaching and, 101–3
  - teachers' discourse during cooperative and
    - small-group learning, 335, 341
- cognition
  - narrative synthesis and, 72–3
  - school readiness interventions and
    - assessment of, 185
- cognitive-behavioral practitioners
  - evidence-based practice attitudes scores and, 155–6
  - social competency programs and, 234
- Cognitive Tools and Intellectual Roles approach,
  - cooperative and small-group learning and, 341
- Cohen, J., 47–8
- Cohen's *d* effect size, coding of, 77, 81–2
- collaborative approach
  - ABRACADABRA reading intervention
    - effectiveness and, 287–92
  - action research, 417
  - autism early intervention and, 256–7
  - Collaborative Coaching and Learning model
    - and, 379–85
  - Common Language Method, 450–4
  - cooperative learning in classrooms and, 333–44
  - student engagement in school reforms and, 361–9
- Collaborative Coaching and Learning (CCL)
  - model
    - adaptations to, 384–5
    - coaches' knowledge and skills development, 380–2
    - development of, 376–9
    - district support for, 383–4
    - high-functioning components of, 387–8
    - implementation of, 379–85
    - implications of, 385–7
    - instructional improvement and, 373–4
    - principal's leadership role in, 379–80, 389n.25, 390n.32
    - school organization and size and, 383
    - teachers' attitudes, knowledge and skills in, 382–3
- Collaborative for Academic, Social and Emotional Learning (CASEL), social
  - competency programs, 235–6, 239–45
- collaborative problem-solving
  - executive problem solving framework for
    - teacher development and, 138–40
  - teachers' expectations concerning, 135–6
- Collaborative Strategic Reading (CSR) tools,
  - cooperative and small-group learning
    - and, 340
- Comaskey, E. M., 286–7
- Common Language Method
  - applications, 448–50
  - future applications, 450–4
  - future research issues, 454
  - Implementation Science applications for, 11–12
  - operating system components, 444–8

- overview of, 443–54
- research background, 443–4
- results-based accountability in, 450–4
- communication skills
  - autism and autism-spectrum disorders programs, 251–3
  - program management for change initiatives and, 179–81
  - randomised controlled trials information dissemination, 50
  - in social competency programs, 237–8
  - social-emotional interventions for young children and role of, 218
  - student engagement in school policies and role of, 366–7
  - teachers' discourse during cooperative and small-group learning, 339–43
  - teams for program implementation and, 27–8
- Communities that Care* program, 450–1
- community-based initiatives
  - Common Language Method operating system and, 444–50
  - leisure education programmes, evidence-based prevention interventions, 313–27
- Competency Drivers
  - coaching and consultation driver, 24–5
  - defined, 22
  - Exploration and Adoption Stage and integration of, 18
  - full implementation procedures and, 20–1
  - in Implementation Science, 15
  - in installation stage, 18–19
  - staff selection, 23–4
  - staff training, 24
- complex interventions
  - development phase, importance of, 39–40
  - development work, evaluation of, 40–1
  - dissemination of information from, 50
  - evaluation design, 41–4
  - evaluation of, 38
  - evaluation process model for, 39
  - measurement decisions, 44–5
  - outcome analysis, 45–50
  - process outcome analysis, 45–6
  - randomisation ratios in evaluation of, 44
  - sample and staff identification, 40
  - sample size in evaluation of, 44
- compliance review, evidence-based practice attitudes and implementation and, 151–52
- comprehension analysis
  - for learning-disabled English language learners, proactive reading and, 303
  - reading intervention evaluation, 280–1
- comprehensiveness assessment, autism and autism-spectrum disorders programs, 251–3, 258–9
- comprehensive school reform (CSR),
  - organization consultation regarding, 170–81
- Compton, D., 280–1
- conceptualization/formulation integration
  - Common Language Method operating system and, 444–8
  - fidelity of implementation (FOI) measurements, 347–9
  - in Problem Analysis Framework, 141–2
  - teacher-practitioners case study, 143–5
- conduct problems, child well being
  - measurements, 425–6
- confidence interval, effect size coding, 77, 81–2
- confirmatory factor analysis
  - content validity in EBPAS and, 154
  - cross-validation of EBPAS, 153–4
  - evidence-based practice attitudes survey, 152–3
- CONSORT (CONSolidated Standards of Reporting Trials) Group
  - ABRACADABRA reading intervention program and, 286–93
  - randomised controlled trials information dissemination, 50, 277–84
- Constructionist Model of Informed and Reasoned Action (COMOIRA), school psychology research, 120–1, 128n.2
- constructs
  - fidelity of implementation (FOI) measurements, 349–52
  - as problem dimensions, in Problem Analysis Framework, 141
- consultation systems
  - change program management and, 179–81
  - as competency driver, 24–5
  - comprehensive school reform assessment and role of, 170–81
  - contracting, entry and mapping in school reform and, 175–6
  - essential skills table, 167–71
  - organization consultation regarding school reform, 165–81
  - planning engagement in school reform proposals and, 176–8
  - resource mobilization for change and, 178–9
  - resource mobilization for change and role of, 178–9
- content validity, evaluation of evidence-based practice attitudes score, 154
- context-based assessment. *See also* real-world contexts
  - action research, 409–11
  - autism early interventions, positive behavior support approach, 248–51, 256–7

- context-based assessment (*cont.*)
  - future research issues in, 463
  - science teaching practices, systematic reviews of, 95–105
  - student academic and behavior problems, family-centered, school-based intervention, 265–67
- contingency management, autism early interventions, positive behavior support approach, 248–51
- contracting, comprehensive school reform and role of, 175–6
- controlled vocabulary, electronic reference databases, 76, 80
- Cooper, H., 71–2
- cooperative learning
  - effective small-group discourse and, 334–5
  - promotion strategies for, 333–44
  - teachers' discourse during, studies of, 335–43
  - theoretical and practical implications in research on, 343–4
- Corey, Steven, 404–5
- cost-effectiveness
  - intervention assessment, 49
  - school readiness interventions implementation in real-world settings and, 192–3
- Counseling and Therapeutics-based social competency programs, 233
- credibility enhancement
  - action research, 408–9
  - student engagement in school policies fostered by, 367–8
- critical components of programs, fidelity of implementation and, 347–9
- critical realism, school psychology services and, 119–22
- critical reflection, action research and, 406–7, 418–19
- cross-validation studies, evidence-based practice attitudes survey, 153–4
- CTOPP measurements, English interventions for learning-disabled ELL students, evaluation using, 305–6
- curriculum development
  - action research and, 412–19
  - HealthWise South Africa: Life Skills for Young Adults study, 319–23
  - literacy programs and focus on, 292, 293n.1–294
  - social-emotional interventions for young children and role of, 215–17
- Dane, A. V., 6–7, 347–9
- Daniels, Ann Michelle, 11
- data analysis and interpretation
  - action research, 408–11
  - autism and autism-spectrum disorders programs, 259–60
  - child well-being measurements, disaggregated data, 429–30
  - child well-being measurements, intervention targeting using, 431–2
  - child well-being measurements, outcome improvement priorities, 430–1
  - child well-being measurements, prevention and early intervention shifts using, 432
  - Common Language Method, 450–4
  - decision support data systems, 25–6
  - individual child screening, 433–4
  - in Problem Analysis Framework, 141
  - radical approaches, child well being measurements as basis for, 432–3
  - researchers' patterns of collection and, 103–5
  - research syntheses and, 77–8, 82–5
  - teachers' views on, 136–8
  - teams for program implementation and, 27–8
- Datnow, A., 18
- Davies, P., 71–2
- Deault, L., 286–7
- decision-making skills
  - autism early intervention providers, 259–60
  - executive problem solving frameworks, teacher development and, 138–40
  - school capacity and teacher skills development programs and, 134–6
  - social competency programs, 237–8
  - social-emotional interventions for young children and role of, 218
  - student engagement in school reforms and, 363
- decision support data systems, as organizational driver, 25–6
- Deering, P., 333
- De Jong, M. T., 281–2
- delivery of services, quality assessment, social-emotional interventions for young children implementation and, 215–17
- Denscombe, M., 409–11
- Department for Education and Skills (DfES) (U.K.), 133–4
  - problem-solving/decision-making skills development program, 134–6
- depression, research on prevention of, 7–8
- descriptive syntheses, 73
- design experiments, science teaching practices, context-based assessment, 103–5
- developmental-ecological model, EcoFit model, student academic and behavior problems, 267–8



- Development and Well-Being Assessment (DAWBA), individual child screenings, 433–4
- development work, complex interventions, evaluation of, 40–1
- Dewey, John, 316–17, 404–5, 406–7
- dialoguing strategy
  - cooperative learning in classrooms and, 333–44
  - social-emotional interventions for young children and, 212–14
  - teacher dialogue on professional development and, 416
- Direct Instructional Model, proactive reading programs, 301–2
- Disadvantaged Children and Youth Program (DCYP), 448–50
- disaggregated data, child well-being measurements, school-level distribution, 429–30
- Discrete Trial Instruction, autism and autism-spectrum disorders programs, 258–9
- distributed learning techniques, reading intervention scalability and sustainability and, 290–1
- Domitrov, Celene, 10
- Domitrovich, Celene E., 325
- Donaldson, Morgaen, 11, 373–87
- Donovan, T., 166–70
- Doré, C. J., 47
- dosage measurements
  - autism early intervention providers, 258–9
  - social competency program effectiveness, 234–36
  - social-emotional interventions for young children, 221
  - social-emotional interventions for young children implementation, 215–17
- Duffy, F. M., 167–70, 179–81
- DuFour, R., 138–40
- Dunlap, Glen, 10, 255–6
- Dunst, Carl, 9, 78
- DuPree, E. P., 73
- Durlack, J. A., 423–5
- Durlak, J. A., 73, 7–8, 78
- Dusenbury, L., 325
- Dwyer, D. C., 287–92
- Dymnicki, A. B., 423–5
- Dynarsky, M., 284–5
- Eaker, R., 138–40
- Early Childhood Enrichment (ECE) programs, South Dakota child care professional development standards and, 398–9
- early childhood intervention, autism early intervention providers, positive behavior support, 250–1
- Early Head Start program, school readiness interventions and role of, 188–9
- EBPAS. *See* Evidence Based Practice Attitude Scale
- EcoFit model
  - dissemination of, 272–3
  - effectiveness of, 271–2
  - implementation and application issues, 273–4
  - student academic and behavior problems, family-centered, school-based intervention, 267–8
- Ecofit Program*, research on, 10
- Ecological Systems Theory, TimeWise: Taking Charge of Leisure Time program and, 317–19
- ecological theory
  - EcoFit model, student academic and behavior problems, 267–8
  - social psychology services and, 117–19
- economic impact, child care programs, South Dakota case study, 393
- Edison schools, Rand evaluation of, 19–20
- Educating for Leisure-Centered Living* (Brightbill), 316–17
- educational attainment
  - and leisure education programmes, 314–15
  - practice-based research syntheses, 74
- educational policy and programs. *See also* specific issues, e.g. school readiness interventions
- ABRACADABRA reading intervention, scalability and sustainability issues and, 290–2
- action research and, 403–19
- barriers to effectiveness in, 5–6
- change-focused consultation and organizational consultation, 165–81
- child well-being measurements, 423–39
- Collaborative Coaching and Learning (CCL) model, 385–7
- comprehensive school reform, organization consultation regarding, 170–81
- contracting, entry, and mapping in reform initiatives for, 175–6
- cooperative learning promotion and, 333–44
- engagement in reform planning and, 176–8
- evidence-based practice attitudes scores and related findings and, 155–6
- evidence-based research on, 92–5
- executive problem solving frameworks for change in, 132–46
- fidelity of implementation (FOI) measurements, 353–4

- educational policy and programs (*cont.*)  
 full implementation procedures for, 20–1  
 future research issues in, 463  
 initial implementation stage for innovations  
 in, 19–20  
 instructional practices, improvement of,  
 373–87  
 leisure education programmes,  
 evidence-based prevention interventions,  
 313–27  
 organizational characteristics in, 167–70  
 reading interventions and collaboration with,  
 277–84  
 research to policy to practice paradox in,  
 133–4  
 school readiness interventions, 184–98  
 scientific paradigm and, 5  
 social competency programs, 230–45  
 staff selection process for, 23–4  
 student engagement in school reform  
 proposals, 361–9  
 systematic reviews of, 94  
 educational psychology. *See* school psychology  
 services  
 educative critical components, social-emotional  
 interventions for young children and role  
 of, 215–17  
*Effectiveness and efficiency: random reflection on  
 the health services* (Cochrane), 93  
 effectiveness studies  
 ABRACADABRA reading intervention  
 program, 287  
 EcoFit model, student academic and  
 behavior interventions, 271–2  
 effect size, 47–8  
 Implementation Science and, 70–1  
 of intervention outcomes, 46–50  
 of intervention protocols, 7  
 number-needed-to-treat analysis, 48–9  
 organizational consultation, 166–70  
 problem formation in, 76, 80  
 of process outcomes, 45–6  
 programme evaluations using, 37  
 research synthesis concerning, 71–2  
 school psychology services, 114–16  
 social competency programs, 233–6  
 social-emotional interventions for young  
 children, 209–11, 217  
 technology integration in reading  
 programs, 285  
 Effective Practice Schools, Collaborative  
 Coaching and Learning (CCL) model and,  
 376–9, 389n.13  
 effect size  
 coding of, 77, 81–2  
 disaggregation, 78  
 experimental design case study, 58–61  
 meta-analytic syntheses, 73–4  
 randomised controlled trial analysis, 47–8  
 reading intervention analysis, 278–80  
 in science teaching, systematic review of,  
 97–8  
 technology integration in reading programs,  
 evaluation of, 284–93  
 efficacy studies  
 ABRACADABRA reading intervention  
 program, 286–7  
 of English interventions for learning-disabled  
 ELL students, 305–6  
 Implementation Science, 70–1  
 problem formation, 76, 80  
 research synthesis, 71–2  
 of Spanish interventions for learning-disabled  
 ELL students, 306–9  
 technology integration in reading  
 intervention, 284–93  
 TimeWise: Taking Charge of Leisure Time  
 program, 317–19  
 efficiency studies  
 Implementation Science and, 70–1  
 problem formation in, 76, 80  
 syntheses in, 71–2  
 electronic reference databases, relevant study  
 identification, 76, 80  
 Elias, M., 18  
 Elleman, A. M., 280–1  
 Elliott, John, 405  
 Elmore, R. F., 167–70  
 emotion modeling  
 child well being measurements and, 423–5  
 social-emotional interventions for young  
 children and characteristics of, 211–14  
 emotion supports, social-emotional  
 interventions for young children and,  
 211–14  
 empathy, in social competency programs,  
 237–8  
 English as Additional Language/English  
 language learners (ELLs)  
 ABRACADABRA reading intervention  
 program and, 286–7  
 action research concerning, 412–13  
 reading intervention effect on, 281  
 summary of research and practice in reading  
 interventions for, 306–9  
 English supplemental intervention  
 efficacy and follow-up studies of, for  
 learning-disabled ELL students, 305–6  
 learning-disabled English language learners,  
 299–304  
 research methodology in studies of,  
 304–5



- entry into school organizations, of
  - comprehensive school reform, 175–6
- environmental conditions
  - autism and autism-spectrum disorders
    - programs, 251–3
  - leisure education programmes, and impact
    - of, 325–6
  - student engagement in school policies
    - fostered by, 368
- epidemiology
  - child well being measurements, 426–7
  - Common Language Method operating
    - system, 444–8
- epistemology
  - high impact psychological services
    - development and, 120–1
  - Implementation Science paradigms in school
    - psychology and, 119–20, 461–4
    - school psychology and, 116–17
  - scientific rationale, implementation and
    - practitioner roles in school psychology
      - and, 121–2
- ethical and legal issues
  - action research, 408–9, 418–19
  - school psychology services, 111–28
  - uncertainty and, 114–16
- ethnicity
  - in action research, 417–18
  - evidence-based practice attitudes scores and
    - related findings, 155–6
  - social competency programs effectiveness
    - and role of, 234–5
- Eubanks, J. L., 166
- Evaluation and the Health Professions*, 323–4
- evaluation of programme integration, 37–51
  - autism and autism-spectrum disorders
    - programs, 254–5
  - defined, 37
  - design for, 41–4
- evaluation process model, complex
  - interventions, 39
- Evidence Based Practice Attitude Scale (EPAS),
  - 9–10
  - applications in U.S. and internationally, 154–5
  - attitudes and implementation, 151–2
  - basic principles of, 152
  - comprehensive review of, 150–61
  - cross-validation of, 153–4
  - development of, 152–4
  - EBPAS-50 variation, development of, 159–60
  - future research directions, 160–1
  - initial validation and factor structure, 152–3
  - literature search strategy, 154–5
  - modification and expansion, 159–60
  - national validation and norms for, 154
  - organizational characteristics, 157–8
  - provider characteristics, 155–6
  - scores and related findings, 155–9
  - scores over time, 158–9
  - service delivery, 158
- evidence-based programmes
  - ABRACADABRA reading intervention
    - program, 286–93
  - active/knowledgeable purveyors for, 15
  - adaptation and innovation in, 21–2
  - adequate resourcing and preparation for, 8
  - child care, quality evaluation of, 392–400
  - child well-being measurements and, 423–39
  - Common Language Method, 443–54
  - Competency Drivers in, 22–5
  - comprehensive school reform, 170–81
  - core components for, 14
  - in educational research, 92–5
  - Exploration and Adoption Stage for, 18
  - facilitative administration of, 26
  - full implementation of, 20–1
  - future research issues, 461–4
  - Implementation Science and, 4
  - initial implementation stage of, 19–20
  - innovation, implementation and outcomes
    - for, 13
  - installation stage of implementation and,
    - 18–19
  - Leadership Drivers in, 26–7
  - leisure education during school, prevention
    - interventions and, 313–27
  - measurable effectiveness of, 6–7
  - in medicine, 93
  - Organization Drivers in, 25–6
  - reading interventions, 277–93
  - school psychology services, 111–28, 128n.3
  - in school psychology services, 120
  - school readiness interventions, 187–8
  - science teaching practices, 92–107
  - scientific paradigms and, 4–5
  - social-emotional interventions for young
    - children, 207–23
  - staffing, organization and policy issues in,
    - Implementation Science applications for,
      - 10–12
  - staff performance assessment/fidelity in, 25
  - staff selection process for, 23–4
  - staff training in, 24
  - sustainability of, 21
  - systems intervention in, 26
- Evidence for Policy and Practice Initiative
  - Centre (EPPI-Centre)
    - educational research model, 93–4
    - researchers' data collection patterns, 103–5
    - science teaching assessment and, 101–6
    - systematic reviews of science teaching, 94–5,
      - 101–3

- executive problem solving frameworks
  - educational program change and, 132–46
  - quality of teacher problem-solving and decision-making and, 138–40
  - teachers' professional development using, 136–8
- expectations, in Problem Analysis Framework, 140
- experimental design
  - external validity and generalisability of findings, 57–8
  - randomisation and bias in, 56–7
  - randomised controlled trials case study, 58–61
  - reading interventions, evidence-based programs, 277–84
  - real-world context for, 54
  - science teaching practices, systematic reviews of, 101–3
  - small-n design, 57–8, 63–4
  - true experiments *vs.* quasi-experiments, 55–7
- expert models, autism early intervention programs, 256–7
- Exploration and Adoption Stage, program implementation, 18
- exploratory factor analysis (EFA), evidence-based practice attitudes survey, 152–3
- exposure, improvement of school psychology services and, 124–5
- external validity, experimental design, 57–8
- facilitative administration
  - fidelity of implementation (FOI) measurements, 356–60
  - as organizational driver, 26
- factor analysis, evidence-based practice attitudes survey, 152–3
- family adaptation and coping interventions, student academic and behavior problems, 270–1
- Family Check-Up (FCU)
  - engagement and effectiveness assessment, 271–2
  - student academic and behavior problems, family-centered, school-based intervention, 265–67, 270
- family interactions
  - autism and autism-spectrum disorders programs, focus on, 255–6
  - EcoFit model, student academic and behavior problems, 267–8
  - home-based parenting programs and, 190–2
  - school readiness interventions and assessment of, 186
  - student academic and behavior problems, family-centered, school-based intervention, 264–74
- Family Resource Center (FRC), student academic and behavior problems, family-centered, school-based intervention, 268–70
- feedback, in Problem Analysis Framework, 142–3
- Fenimore-Smith, J. Kay, 416–17
- Fidelity of Implementation framework, practical applications for, 11
- fidelity of implementation (FOI) measurements
  - assessment of, 346–7
  - autism and autism-spectrum disorders programs, 258–9
  - comprehensive school reform assessment, 170–81
  - conceptual framework for, 347–9
  - descriptive syntheses and, 73
  - district administrator case study, 356–7
  - full implementation procedures and, 20–1
  - future research issues, 360
  - improvement of school psychology services and, 122–5
  - instrument and item construct matrices, 349–52
  - instrument applications and issues, 354–6
  - leisure education programs, 323–6
  - prior to adaptation and innovation, importance of, 21–2
  - school principals case study, 357
  - science teaching and, 357–8
  - social-emotional interventions for young children, 215–17, 221
  - staff performance assessment, 25
  - teachers and, 358–60
  - use case studies, 356–60
  - use scenarios, 352–3
- Fielding, M., 292
- financial sustainability, of evidence-based programs, 21
- Fisher, D., 19–20
- Fixsen, L., 68–9
- flexible decoding tasks, learning-disabled English language learners, 302–3
- follow-up studies
  - of English interventions for learning-disabled ELL students, 305–6
  - of Spanish interventions for learning-disabled ELL students, 306–9
- Ford, Tamsin, 11–12, 423–39
- Fox, Lisa, 10, 136–8
- framework development
  - fidelity of implementation and, 347–9
  - school psychology services, 120–1
- Frederickson, N., 138–40
- Fullan, M., 132–3, 167–70
- full implementation procedures, evidence-based programmes, 20–1

- functional assessment, autism and
  - autism-spectrum disorders programs, 254–5
- funding issues, evidence-based practice attitudes and implementation and, 151–52
- gender
  - evidence-based practice attitudes scores and related findings, 155–6
  - science teaching practices, effect of, 98–9
- generalizability, in action research, 408–9
- Gergen, K. J., 117–19
- Gilham, B., 7–8, 117–19
- Gill, B., 135–6
- Gillies, Robyn, 11, 334–43
- Gioia, D., 158–9
- Goldenberg, C., 299–304
- Goldstone, Lara, 412–13
- “goodness-of-fit” assessment, of comprehensive school reform, 175–6
- grapheme-to-phoneme (GPC) rules
  - reading interventions and role of, 278–80
  - synthetic phonics, 282–3
- Gray, P., 158
- Green, Amy, 9–10
- Greenberg, Mark T., 7–8
- Gregory, A., 135
- Growing Interventions For Scale-up (GIFS) model, complex interventions, 39
- Guba, G., 408–9
- Haertel, G., 167–70
- Halle, T., 395–400
- Handbook of Implementation Science for Psychology in Education*, 8
- Harader, Violet, 11
- Hargreaves, David, 92–5
- Haynes, M., 339–43
- Head Start program, school readiness interventions and role of, 188–9
- health and development, leisure education programmes, evidence-based prevention interventions, 315
- Health and Development Outcomes of Children in the Community (HDOC), Common Language Method operating system and, 444–8
- health maintenance framework, EcoFit model, student academic and behavior problems, 267–8
- HealthWise South Africa: Life Skills for Young Adults
  - evaluation of, 319–23
  - implementation issues and future research, 323–6
- Hedges, V., 71–2
- Heifitz, R. A., 26–7
- Hemmeter, M. L., 136–8
- Her Majesty’s Inspectorate in Education (HMIE), school psychology development and, 114–16
- Herr, Kathryn, 417–18
- Herrenkhol, L., 341
- Hertz-Lazarowitz, R., 334–43
- Hierarchical Liner Modelling (HLM)
  - techniques, ABRACADABRA reading intervention program effectiveness evaluation using, 287
- Hipps, G., 286–7
- history instruction, action research concerning, 414
- Hobbs, Tim, 11–12, 423–39
- Hoffman, M., 212–14
- holistic perspectives, school psychology services and education, 111–28
- Hollan, S. D., 7–8
- Holmes, E. A., 233
- Holter, M. C., 347–9
- home-based parenting programs, school readiness interventions and, 190–2
- home-school link, student academic and behavior problems, family-centered, school-based intervention, 265–67
- Horace Mann-Lincoln Institute, 404–5
- Horner, R. H., 18
- Humanity Interaction Team (HIT), 417–18
- ICT programs, reading intervention and, evaluation of, 284–93
- identity, action research and role of, 416–19
- if-so-then-what* propositions, in Problem Analysis Framework, 140–1
- Illback, Robert, 9–10, 165–81
- implementation procedures
  - action research, 409–11
  - autism and autism-spectrum disorders programs, 254–60
- Collaborative Coaching and Learning (CCL) model, 379–85
- Common Language Method, 443–54
- leisure education programmes, evidence-based prevention interventions, 323–6
- in Problem Analysis Framework, 142–3
- in school psychology services, 121–2
- social competency programs, 240
- social-emotional interventions for young children, 214–23
- student engagement in school reforms, quality of, 363–4, 369
- sustainability of programs and, 21
- TimeWise: Taking Charge of Leisure Time program, 317–19

- implementation quality, principles of, 5–6
- Implementation Science
  - action frameworks for, 17
  - defined, 3–4
  - drivers of implementation, 15, 18, 22–7
  - epistemology and, 119–20
  - evidence-based implementation, emergence of, 6–7
  - Exploration and Adoption Stage in, 18
  - frameworks and methodology for, 9–10
  - future research issues for, 7–8, 461–4
  - improvement process and, 16–17
  - interdisciplinary approach to, 8–9
  - knowledge base for, 14
  - meta-analysis of, 68–86
  - practice-based research, meta-analysis of, 69–70, 75–9
  - prerequisites for application of, 14–15
  - reading interventions, evidence-based programs, 277–84
  - research studies of, 70–1
  - research syntheses for, 71
  - school psychology services and, 28–9, 113–14, 122–5
  - shared paradigms and perspectives in school psychology, 119–20
  - social psychology services and, 117–19
  - specific programmes and interventions, application in, 10
  - staffing, organization and policy issues in evidence-base programmes and, 10–12
  - stages of implementation, 15, 17–20
  - statistical problems, approaches and solutions to, 9
  - synthesis of intervention practices with, 71
  - team building for, 16, 27–8
- Implementation Science* (journal), 119–20
- improvement procedures, Implementation Science and, 16–17
- Incidental Teaching, autism and autism-spectrum disorders programs, 258–9
- Incredible Years Dinosaur School
  - school readiness interventions and role of, 189–90
  - social-emotional interventions for young children and, 212–14
- Incredible Years Parent Programme, evaluation of, 41–4
- individualized assessment and interventions, autism and autism-spectrum disorders programs, 250–1, 254–5, 258–9
- individualized education plans (IEPs), home-school link, student academic and behavior problems, family-centered, school-based intervention, 265–67
- individual randomised controlled trials, outcome evaluation using, 46–50
- Individuals with Disabilities Education Improvement Act (IDEIA), learning-disabled English language learners, interventions based on, 299–304
- inductive discipline, social-emotional interventions for young children and, 212–14
- informal learning, leisure education programmes, evidence-based prevention interventions, 313–27
- informed consent, in action research, 408–9
- Initial Guiding Hypotheses
  - in Problem Analysis Framework, 140–1
  - teacher-practitioners case study, 143–5
- innovative educational programs
  - adaptations and, 21–2
  - evidence-based practice attitudes and implementation and, 151–52
  - implementation and outcomes research on, 13
- Installation Stage of program implementation, 18–19
- Instructional Leadership Teams (ILTs), Collaborative Coaching and Learning (CCL) model and, 376–7, 389n.19
- instructional practices
  - coaching for improvement in, 373–87
  - Collaborative Coaching and Learning model for, 385–7
  - fidelity of implementation and, 347–9
- Implementation Science applications for improvement in, 11
- learning-disabled English language learners, language and reading interventions, 299–304, 308–9
- rationale for coaching in, 374–6
- social-emotional interventions for young children and role of, 211–14, 215–17
- instrument-construct matrices, fidelity of implementation (FOI) measurements, 349–52, 354–6
- integrating statement
  - in Problem Analysis Framework, 141–2
  - social-emotional interventions for young children, integration with existing programs, 219
- integration
  - of implementation drivers, importance of, 22–7
  - improvement of school psychology services and, 122–5
  - in Problem Analysis Framework, integrating hypotheses, 141–2, 143–5
- intelligence assessments, school readiness interventions and, 185–6

- Intensifying Support Program*, 133–4
- intensity measurements, autism early  
intervention providers, 258–9
- intention-to-treat (ITT) analysis, randomised  
controlled trial outcomes, 47
- Interactive Factors Framework  
diagram, in Problem Analysis  
Framework, 142  
problem mapping using, 140–1
- Interactive Systems Framework for Dissemination  
and Implementation*, 324
- intermediary organizations, student  
engagement in school policies  
and role of, 365–7
- International School Psychology Association  
(ISPA), 111–13
- International School Psychology Survey (ISPS),  
111–13
- interventions  
active/knowledgeable purveyors for, 15  
adaptation and innovation in, 21–2  
autism and autism-spectrum disorders  
programs, 247–60  
autism early interventions, positive behavior  
support approach, 247–60  
child well being measurements, population  
targeting using, 431–2  
complexity, evaluation of, 38  
core components for, 14  
development phase, importance of,  
39–40  
development work, evaluation of, 40–1  
dissemination of information from, 50  
evaluation design, 41–4  
evaluation of, 37–51  
evaluation process model for, 39  
evidence-based programmes, scientific  
paradigms and, 4–5  
identification of, 40  
implementation quality of, 5–6  
implementation research and, 71  
Implementation Science and, 3–4, 462  
initial implementation stage for,  
19–20  
learning-disabled English language learners,  
language and reading interventions, 306–9  
leisure education programmes,  
evidence-based prevention interventions,  
313–27  
measurement decisions, 44–5  
outcome analysis, 45–50  
peer-mediated interventions, 234  
in Problem Analysis Framework, 142–3  
process outcome analysis, 45–6  
programme integrity in, 6–7  
quasi-experimental design case study, 61–3  
randomisation and bias in, 56–7  
randomisation ratios in evaluation of, 44  
reading interventions, evidence-based  
programmes, 277–93  
sample and staff identification, 40  
sample size in evaluation of, 44  
school psychology services role in,  
113–14, 120  
for school readiness, 184–98  
school readiness interventions, 184–98  
social-emotional interventions for young  
children, evidence-based programs, 207–23  
solution identification, 40  
student academic and behavior problems,  
family-centered, school-based  
intervention, 264–74  
synthesis of implementation with, 71  
systems intervention, 26  
true *vs.* quasi-experiments, 55–7
- interviews  
organizational consultation, change  
focus in educational settings and use of,  
167–70  
systematic review of science teaching  
practices using, 96–7
- job performance  
evidence-based practice attitudes scores and,  
155–6  
social-emotional interventions for young  
children monitoring and, 221
- Johnson, D., 334–5
- Johnson, R., 334–5
- Joyce, B., 19–20, 24–5
- just-in-time support procedures,  
ABRACADABRA reading intervention,  
teacher competency training and, 289
- Kelly, Barbara, 9–10, 69–70, 111–28
- Kemmis, S., 405–8
- Keough, R., 406–7
- Kerr, N., 292
- Kidscreen-52* method, outcome prioritization,  
child well being measurements, 430–1
- Klingner, J., 291–2
- knowledge-practice gap  
action research and, 411–12  
Collaborative Coaching and Learning (CCL)  
model, coaches knowledge and skills  
development, 380–2  
Common Language Method, 454  
evidence-based practice research and, 151–52
- Koller, Emmerich, 415
- Kotter, J. P., 176–9

- Kovaleski, J. F., 134–6  
 Kraft, Nancy, 416  
 Kuhn, M. R., 281
- language development. *See also* English as Additional Language/English language learners (ELLs)  
 action research concerning, 412–13  
 autism and autism-spectrum disorders programs, 253–4  
 brain research and foreign language teaching, action research concerning, 415  
 for learning-disabled English language learners, language support programs, 303  
 reading interventions and variations in, 278–80  
 school readiness interventions and assessment of, 186
- leadership behaviors  
 change management, professional leadership standards for, 171–2  
 engagement in change planning and, 176–8  
 evidence-based practice attitudes scores and, 157–8  
 organizational consultation on educational change and, 167–70  
 student engagement in school reforms and, 361–9
- Leadership Drivers  
 classification of, 26–7  
 defined, 22  
 Exploration and Adoption Stage and integration of, 18  
 in Implementation Science, 15  
 in installation stage, 18–19
- learning-disabled English language learners  
 elementary grade (1–5) language and reading interventions, 299–304  
 identification of, 299  
 key instruction components for, 308–9  
 practice and future research  
 recommendations and implications, 309–10  
 proactive reading programs for, 301–2  
 Response-to-Intervention (RtI) model and, 299, 307–8  
 statistics concerning, 298–9  
 summary of reading interventions for, 306–9  
 word recognition tasks for, 302–3
- learning processes  
 organizational consultation regarding, 167–70  
 in social competency programs, 237–8
- Lectura Proactiva* Spanish intervention program  
 efficacy and follow-up studies of, 306–9  
 for learning-disabled English language learners, 303–4
- lecture-based instruction, vote counting  
 research synthesis of, 73
- leisure education programmes  
 definitions and terminology, 316  
 educational attainment and, 314–15  
 evidence-based prevention interventions and, 313–27  
 health and development and, 315  
 history of, 316–17  
 implementation quality issues and future research on, 323–6  
 Implementation Science applications in, 10  
 risk behavior and prevention, 315–16  
 TimeWise: Taking Charge of Leisure Time program, 317–19
- Lemma, P., 407–8
- letter-sound knowledge teaching  
 for learning-disabled English language learners, 302  
 reading intervention analysis and, 278–80
- Lewin, Kurt, 404–5
- Lieberman, A., 167–70
- life-skills development, social competency programs, 237–8
- Light, R. J., 73
- Lindon, E. J., 280–1
- Lindquist, E. F., 64–5
- Lipsey, M. W., 78
- Literacy and Numeracy Hour* initiatives, 132–3
- literacy programmes  
 ABRACADABRA reading intervention program, 286–93  
 Collaborative Coaching and Learning (CCL) model and, 376–7  
 Implementation Science applications in, 10  
 learning-disabled English language learners and, 299  
 organizational change and success of, 292  
 reading intervention evaluations and, 282–3  
 technology integration in, 284–93
- literature search  
 evaluation of EBPAS and, 154–5  
 as narrative synthesis, 72–3
- local brokers, Exploration and Adoption Stage  
 for program implementation and, 18
- locus of control, in action research, 406
- longitudinal research, autism early intervention providers, 257–8
- Lovaas, O., 255–6
- Lytle, S. L., 403–4, 407–8
- MacKenzie, Gordon, 404–5
- Madden, n.A., 5
- manualized treatments  
 evidence-based practice attitudes scores *vs.*, 159–60



- school psychology services, 197–8
- Mathematics Trailblazers* curriculum, fidelity of
  - implementation measurements, 354–6
- McCall, W. A., 64–5
- McCarthy, S. J., 167–70
- McCormick, K. M., 24–5
- McQuillan, Jody, 414–15
- mediated-learning behaviors, teachers' discourse
  - during cooperative and small-group learning, studies of, 335–43
- mediator analysis
  - effect size disaggregation, 78
  - of randomised controlled trials, 49–50
- medical perspective of school psychology, 116–17
- Medical Research Council (MRC), 38
- Meloth, M., 333
- mental health services
  - child well being measurements and, 423–5
  - EcoFit model, student academic and behavior problems, 267–8
  - evidence-based practice attitudes score evaluation of, 150–61
- mental models, program management for
  - change initiatives and, 179–81
- mentorships, social-emotional interventions for young children and, 219–21
- Merry, S., 7–8
- Mertler, C. A., 409–11
- meta-analysis
  - child well being measurements and, 423–5
  - coding of studies, 76–7, 81
  - Common Language Method, 450–4
  - data analysis and interpretation, 77–8, 82–5
  - effect size coding, 77, 81–2
  - effect size disaggregation, 78
  - example of, 79–86
  - implementation practice research, 68–86
  - leisure education programmes, evidence-based prevention interventions, 313–27
  - practice identification, 75
  - problem formation, 76, 80
  - reading interventions, evidence-based programs, 277–84
  - relevant study identification, 76
  - report preparation, 78–9
  - research syntheses using, 73–4
  - of social competency programs, 235–6
- metacognition, action research and, 414–15
- meta-practice, action research and, 405–8
- Meyers, B., 176–8
- Miles, M. B., 167–70
- Miller, D. C., 299
- Miller, Elizabeth, 9–10
- mindsets, program management for change initiatives and, 179–81
- Minority Awareness Committee, 417–18
- Mitra, Dana L., 11, 361–9
- moderator analysis
  - effect size disaggregation, 78
  - of randomised controlled trials, 49–50
- Mohr, M., 405–8
- Mol, S., 281–2
- monitoring phase
  - in Problem Analysis Framework, 143
  - social-emotional interventions for young children implementation, 221
- monolingual speakers
  - learning-disabled English language learners, comparison of reading intervention results, 307–8
  - reading intervention evaluation and, 278–80
- Monsen, Jeremy, 9–10, 11–12, 132–46
- Monsen, Jeremy J., 138–40
- Morpeth, Louise, 11–12
- morphemes, vocabulary development and role of, 281–2
- Morphy, P., 280–1
- Mowbray, C. T., 347–9
- multilingual research
  - action research evaluations, 412–13
  - brain research and foreign language teaching, action research concerning, 415
  - reading intervention evaluation and, 277–84
- multiple baselines, small-n experimental design, 57–8
- multiple strategy learning, reading
  - comprehension and, 280–1
- narrative syntheses, 72–3
  - example of, 79–86
  - systematic reviews *vs.*, 94
- National Implementation Research Network, 14
- National Institute for Clinical Health and Excellence (NICE)
  - randomised controlled trials information dissemination, 50
  - systematic reviews of, 40
- National Literacy and Numeracy Strategies (U.K.), evaluation of, 133–4
- National Reading Panel, reading intervention analysis, 277–84
- natural language searches, electronic reference databases, 76, 80
- Nesselrodt, P., 18–19
- Network of Networks on Impact Evaluation (NONIE), process evaluation guidelines, 45–6
- Neufield, Barbara, 11, 373–87
- No Child Left Behind Act, learning-disabled English language learners, interventions based on, 299–304

- non-cognitive development, child well-being measurements and, 423–5
- norms for EBPAS, national validation of, 154
- number-needed-to-treat (NNT) analysis, effectiveness assessment using, 48–9
- nurse-family partnerships, school readiness interventions and, 190–2
- O'Connell, F. R., 407–8
- O'Driscoll, M. P., 166
- operational perspectives, improvement of school psychology services and, 122–5
- optimal intervention equation, autism and autism-spectrum disorders programs, 251–3, 258–9
- oracy development
  - for learning-disabled English language learners, 303
  - Lectura Proactiva* Spanish intervention program for learning disabled ELL students, 303–4
- organizational characteristics
  - change-focused consultation and, 165–81
  - classification, 25–6
  - Collaborative Coaching and Learning (CCL) model, school organization and size, 383
  - comprehensive school reform, consultation regarding, 170–81
  - decision support data systems, 25–6
  - defined, 22
  - in educational settings, 167–70
  - effective consultation and, 166–70
  - evidence-based practice attitudes and implementation and, 151–52
  - evidence-based practice attitudes scores and, 157–8
  - Exploration and Adoption Stage and integration of, 18
  - facilitative administration, 26
  - fidelity of implementation and, 347–9
  - full implementation procedures and, 20–1
  - in Implementation Science, 15
  - Implementation Science research and, 463
  - in installation stage, 18–19
  - social-emotional interventions for young children and role of, 211–14, 218
  - student engagement in school reforms and role of, 363
  - systems intervention, 26
- Organizational Readiness for Change scale, evidence-based practice attitudes scores and, 157–8
- organizational structure, in evidence programmes, Implementation Science applications for, 10–12
- Orosco, M., 291–2
- orthography, reading interventions and role of, 277–84
- outcome measures
  - action research concerning, 412–13
  - changes over time, monitoring of, 436
  - child well being measurements, evidence-based programs, 423–39
  - child well being measurements, outcome priorities, 430–1
  - complex interventions, analytical methods, 45–50
  - comprehensive school reform, 170–81
  - effect size coding, 77, 81–2
  - evidence-based programmes, 13
  - fidelity of implementation and, 347–9
  - generalisability of, experimental design and, 57–8
  - intervention outcome effectiveness, 46–50
  - leisure education programmes, evidence-based prevention interventions, 313–27
  - in Problem Analysis Framework, 143
  - process outcomes evaluation, 45–6
  - program evaluation, child well-being measurements, 435–7
  - school psychology and, 116–17
  - school psychology services, 113–14
  - school readiness interventions adherence linked to, 193–5
  - South Dakota child care professional development standards and, 395–400
  - student engagement in school reforms and, 361–9
  - treatment outcomes, methodology for, 7–8
- outsourcing of technical assistance, student engagement in school policies and role of, 365–7
- Owens, P. L., 195–6
- Palincsar, A., 341
- Panzano, P. C., 26–7
- paradigm shifting, program management for change initiatives and, 179–81
- parenting practices
  - autism early intervention and, 255–6
  - EcoFit model, student academic and behavior problems, 267–8
  - Family Resource Center, student academic and behavior interventions and role of, 141
  - Incredible Years Parent Programme, evaluation of, 41–4
  - school readiness interventions and home-based programs, 190–2

- student academic and behavior problems, family-centered, school-based intervention, 265–67
- Parenting Stress Index, autism early intervention and, 255–6
- participant responsiveness, improvement of school psychology services and, 124–5
- peace education, action research and, 418–19
- Pearson product moment correlation, *r* family of effect sizes, 77
- pedagogical critical components, social-emotional interventions for young children and role of, 215–17
- Peer-mediated interventions, social competency through, 234
- Peña, E. D., 299
- performance evaluations
  - action research concerning, 412–13
  - evidence-based programs, 37–51
  - program staff, as competency driver, 25
- Perkins, D., 69–70
- Perry Preschool Project, school readiness interventions and role of, 189
- persuasion processes, evidence-based practice attitudes and implementation and, 151–52
- Peterson, P. L., 167–70
- phone check-ins, student academic and behavior problems, 270–1
- phonemic awareness, for learning-disabled English language learners, 302
- phonics
  - reading interventions and role of, 278–80
  - synthetic *vs.* analytic phonics debate and, 282–3, 286–93
- physical health assessment, autism and autism-spectrum disorders programs, 251–3
- Piagetian theory, school psychology research, 128n.2
- Pianta, M. J., 211–14
- Pivotal Response Treatment program, 253–4
  - autism and autism-spectrum disorders programs, 258–9
- Plan, Do, Reflect, Review* cycle, professional development for teachers and, 136–8
- Plan, Do, Study, Act (PDSA) cycle, improvement procedures and, 16–17
- Playing and Learning Strategies (PALS) program, school readiness interventions and, 191
- Plienis, A. J., 255–6
- policy development for evidence-based programmes, Implementation Science applications for, 10–12
- political issues
  - in action research, 417–19
  - resource mobilization for change and role of, 178–9
- Pompey, Y., 277–84
- population distribution, child well being measurements, 427–37
- positive behavior support (PBS) approach, autism intervention
  - level 1 strategies, 251–3
  - level 2 strategies, 253–4
  - level 3 strategies, 254–5
  - overview, 248–51
  - program implementation guidelines and recommendations, 255–60
  - in young children, 250–1
- Positive Parenting Program (Triple P), 195–6
- post hoc* characteristics, coding of research studies, 76–7, 81
- post-test meta-analysis
  - mean difference techniques, 73–4
  - social competency programs, 235–6
- poverty
  - school readiness interventions and role of, 187
  - social competency programs effectiveness and role of, 234–5
- power relationships, teacher dialogue concerning, 416
- practice-based research syntheses
  - coding of research studies, 76–7, 81
  - effect size disaggregation, 78
  - example of, 79–86
  - identification of practice of interest, 75, 79–80
  - implementation practice research, 75–9
  - learning-disabled English language learners interventions, recommendations for, 309–10
  - meta-analytic syntheses, 74
  - problem formation, 76, 80
  - relevant studies, identification of, 76
- practitioner research
  - action research concerning, 403–19
  - future research issues, 462–3
  - Problem Analysis Framework and, 140–3
  - scientist-practitioners, 136–8
  - social psychology services and, 117–19, 121–2
  - teacher-practitioners, 143–5
- pragmatic randomised control trials, 41–4
- Preschool Language Assessment Instrument (PLAI), quasi-experimental design case study, 61–3
- preschool programs
  - school readiness interventions and role of, 188–90
  - social-emotional interventions for young children and, 207–9

- Preschool Promoting Alternative Thinking Strategies (PATHS)  
 school readiness interventions and role of, 190  
 social-emotional interventions for young children and, 212–14
- prevention strategies  
 autism and autism-spectrum disorders programs, 247–60  
 child well-being measurements data, 432  
 leisure education programmes, evidence-based prevention interventions, 313–27  
 reading intervention analysis and, 278–80, 291  
 TimeWise: Taking Charge of Leisure Time program, 317–19
- primary prevention, autism and autism-spectrum disorders programs, 250–3
- principals' leadership role  
 fidelity of implementation (FOI) measurements and, 357  
 implementation of Collaborative Coaching and Learning model and, 379–80, 389n.25, 390n.32
- private agencies, evidence-based practice attitudes scores and, 157–8
- Proactive Reading Program*  
 efficacy and follow-up studies of, 305–6  
 for learning-disabled English language learners, 301–2, 303
- Problem Analysis Framework  
 active investigation phase of, 141  
 background information, role and expectations phase, 140  
 cycle and phases of, 140–3  
 evaluation of, 145  
 future applications of, 145  
 initial guiding hypotheses phase, 140–1  
 integrated conceptualization/formulation phase of, 141–2  
 interactive factors framework diagram in, 142  
 intervention plan and implementation phase, 142–3  
 monitoring and outcomes evaluation in, 143  
 problem dimensions in, 141  
 professional development for teachers and, 136–8  
 reflective commentary phase in, 143  
 with teacher-practitioners, 143–5  
 teachers' problem-solving/decision-make skills development and, 138–40
- problem dimensions  
 in Problem Analysis Framework, 141  
 teacher-practitioners case study, 143–5
- problem mapping  
 of comprehensive school reform, 175–6  
 in Problem Analysis Framework, 140–1
- Problem Solving Frameworks  
 educational change, executive problem solving frameworks for, 132–46  
 improvement of school psychology services and, 122–5  
 school capacity and teacher skills development programs and, 134–6
- problem-solving protocols  
 complex intervention evaluation, problem identification, 39–40  
 executive problem solving frameworks, teacher development and, 138–40  
 Implementation Science frameworks, 11–12  
 improvement procedures and, 16–17  
 practice-based research syntheses, problem formation, 76, 80  
 in social competency programs, 237–8  
 social-emotional interventions for young children and role of, 218  
 teachers' problem-solving groups, 135
- procedural critical components, social-emotional interventions for young children and role of, 215–17
- process evaluation  
 child care program quality, 394–5  
 complex interventions evaluation, analysis of, 45–6  
 school psychology services, 113–14
- process resistance, evidence-based practice attitudes and implementation and, 151–52
- professional training and development  
 action research concerning, 403–19  
 child care programs and standardization of, 395–400  
 coaching for instructional practices improvement, 373–87  
 in social competency programs, 237–8  
 teacher dialogue in action research on, 416  
 teachers' views concerning, 136–8
- program integrity, fidelity of implementation and, 347–9
- programmatically sustainability  
 of evidence-based programs, 21  
 social competency programs, 237–8
- programme drift, adaptation and innovation and risk of, 21–2
- Programme for International Student Assessment (PISA), 103–5
- programme integrity  
 development phase, importance of, 39–40  
 evaluation of, 7–8, 37–51  
 in intervention programs, 6–7
- Project CARE, school readiness interventions and role of, 189

- Promoting Alternative Thinking Strategies (PATHS) program  
 outcome evaluation of, 46–50  
 outcome prioritization, child well being measurements, 430–1  
 social competency components of, 241–3  
 social-emotional interventions for young children, support for, 219–21  
 student academic and behavior problems, family-centered, school-based intervention, 265–67
- Protheroe, N., 19–20
- provider attitudes, evidence-based practice scale, 151–52, 155–6
- psychoanalysis  
 development of school psychology services and, 114–16  
 social-emotional interventions for young children, 212
- psychodynamic practitioners, evidence-based practice attitudes scores and, 155–6
- psychometric testing  
 EBPAS national validation and norms, 154  
 school psychology and, 116–17
- public agencies, evidence-based practice attitudes scores and, 157–8
- Pupil Referral Units, evaluation of, 133–4
- purpose identification, action research, 406
- purveyors for evidence-based programs  
 Exploration and Adoption Stage and role of, 18  
 function of, 15  
 initial implementation stage and, 19–20  
 installation stage of implementation and, 18–19
- Q statistic, research synthesis meta-analysis, 77–8, 82–5
- qualitative studies  
 action research, 408–9, 411–12  
 child care programs, 393–5  
 improvement of school psychology services and, 124–5  
 narrative synthesis of, 72–3  
 organizational consultation in education and, 167–70  
 social-emotional interventions for young children, 221  
 student engagement in school reforms, scope of implementation and, 363–4
- Quality First Teaching Program (U.K.), 134–6
- quantitative data, action research, 408–9, 411–12
- quasi-experiments  
 case study, 61–3  
 design of, 55–7  
 vocabulary development program evaluation, 281–2
- questionnaires  
 child well being measurements, 425–6  
 evidence-based practice attitudes score expansion and modification and, 159–60  
 systematic review of science teaching practices using, 96–7
- race issues, in action research, 417–18
- randomisation, in experimental design, 56–7
- randomisation ratios, evaluation of complex interventions, 44
- randomised controlled trials (RCT)  
 ABRACADABRA reading intervention program, 286–93  
 child well being measurements, program impact evaluation, 435–7  
 cost effectiveness assessment of, 49  
 dissemination of results, 50  
 in education, criminology and social sciences, 93–4  
 effect size and evaluation of, 47–8  
 efficacy and follow-up studies of English interventions for learning-disabled ELL students, 305–6  
 evaluation design for intervention programs, 41–4  
 evidence-based intervention and, 4–5  
 evidence-based medicine and, 93  
 experimental design case study, 58–61  
 intention-to-treat (ITT) analysis, 47  
 intervention outcome effectiveness, 46–50  
 learning-disabled English language learners, language and reading interventions for, 299–304  
 number-needed-to-treat (NNT) analysis, 48–9  
 reading interventions, evidence-based programs, 277–84  
 real-world context for, 64–5  
 school psychology services and, 120–1  
 science teaching practices, context-based assessment, 103–5  
 science teaching practices, systematic reviews of, 101–3  
 of Spanish interventions for learning-disabled ELL students, 306–9  
 of technology integration in reading intervention, 284–93  
 true experiments *vs.* quasi-experiments, 55–7

- Readers' and Writers' Workshop, Collaborative Coaching and Learning (CCL) model and, 376, 389n.15
- reading fluency  
     action research concerning, 412, 415–16  
     for learning-disabled English language learners, *Lectura Proactiva* Spanish intervention program, 303–4  
     reading intervention effect on, 280–1
- reading interventions  
     ABRACADABRA program, evaluation of, 286–93  
     evidence-based programmes, 277–93  
     for learning-disabled English language learners, summary of research and practice, 306–9  
     proactive reading programs, 301–2  
     research methodology for evaluation of, 277–84  
     scalability and sustainability of, 290–2  
     technology integration in implementation of, 284–93
- Realist epistemology, school psychology services and, 119
- real-world contexts  
     action research, 411–12  
     evidence-based practice attitudes and implementation and, 151–52  
     experimental protocols in, 54  
     fidelity of implementation (FOI) measurements, 352–3  
     full implementation procedures, 20–1  
     improvement of school psychology services and, 122–5  
     initial implementation stage and, 19–20  
     prerequisites for implementation in, 14–15  
     Problem Analysis Framework for teachers and, 138–40  
     randomised controlled trials, 64–5  
     school readiness interventions implementation in, 192–6  
     technology integration in reading interventions, evaluation of, 285
- REDI program, social-emotional interventions for young children and, 212–14
- reflective commentary  
     action research, 406, 409–11  
     in Problem Analysis Framework, 143–5
- regression to the mean, randomisation and bias in experiments and, 56–7
- Reimer, T., 72–3
- reinforcement strategies, autism and autism-spectrum disorders programs, 254–5
- Reiser, B. J., 72–3
- Relativism, school psychology services and, 117–19
- relevant study identification, research syntheses and, 76
- reliability assessment, child well being measurements, 425–6
- reliable change, number-needed-to-treat (NNT) analysis and, 48–9
- remedial interventions, reading intervention, evaluation of, 278–80, 293n.1–294
- research methodology  
     in action research, 404–5, 407–11  
     child care program evaluation, 394–5  
     on coaching models, 374–6  
     Common Language Method, 443–4  
     in Implementation Science, 69–70  
     learning-disabled English language learners interventions, recommendations for, 309–10  
     reading interventions, evidence-based programs, 277–84  
     on school readiness interventions, 196–8  
     studies of, 70–1  
     syntheses of implementation and intervention and, 71  
     systematic reviews, 101–3  
     teachers' views concerning, 136–8
- research synthesis  
     classification of, 72–4  
     coding of studies, 76–7, 81  
     data analysis and interpretation, 77–8, 82–5  
     defined, 71–2  
     effect size coding, 77  
     effect size disaggregation, 78  
     example of practice-based synthesis, 79–86  
     framework for categorization of, 74  
     relevant study identification, 76  
     report preparation, 78
- Response-to-Intervention (RtI) model  
     for learning-disabled English language learners, 299, 307–8  
     reading intervention using, 291–2
- results-based accountability, Common Language method, 450–4
- Reutebuch, Colleen, 10
- Review Group for Science, 101–3  
     EPPI systematic review methodology assessed by, 101–3  
     researchers' data collection patterns, 103–5
- r* family of effect sizes, 77
- Ringstaff, C., 287–92
- risk prevention, leisure education programmes, evidence-based interventions, 313–27
- Robbins, F. R., 255–6
- Robinson, P. W., 133–4, 139–40
- Rock, M. L., 63–4



- role expectations
  - in Problem Analysis Framework, 140
  - student engagement in school policies and, 367
  - teacher-practitioners case study, 143–5
- Rose, D., 282–3
- Rosier, P., 292
- Rudnick, Mollie, 11
- SAFE programs, social competency evaluations, 235–6
- Saldana, L., 157–8
- sample size, evaluation design for intervention programs, 44
- Sandholtz, J. H., 287–92
- Santangelo, T., 135–6
- Sarason, Seymour, 28–9
- Savage, Robert, 10, 277–93
- Saxl, E. R., 167–70
- scaffolding behaviours, teachers' discourse during cooperative and small-group learning, 339–43
- scale-up of interventions
  - cost effectiveness analysis of, 49
  - preparation for, 39
  - process evaluation of, 45–6
  - reading intervention scalability and sustainability, 290–2
- Schaffel, Vida, 415–16
- Schaffer, E., 18–19
- Schellinger, K. B., 423–5
- Schneider, B., 6–7
- school capacity building
  - Collaborative Coaching and Learning (CCL) model and, 383
  - problem-solving/decision-making skills development for, 134–6
  - student engagement in school policies and, 368–9
- school psychology services
  - change-focused consultation in school settings, 165–81
  - current role, status and concerns of, 111–13
  - development of, 114–16
  - epistemological, conceptual, and practical developments in, 116–17, 120–1
  - evaluation processes for, 113–14
  - evidence-based research, 120
  - existing practice frameworks, 120–1
  - future research issues for, 461–4
  - history in the U. K. of, 114–16
  - Implementation Science and, 28–9, 111–28
  - improvement of, 122–5
  - scientific rationale, implementation and practitioner roles, 121–2
  - shared Implementation Science paradigms and perspectives, 119–20
  - Social Constructionist movement and, 117–19
  - terminology of, 128n.1
  - uncertainty in, 114–16
- school readiness interventions. *See also* reading interventions; social-emotional interventions for young children
  - barriers to access to, 195–6
  - center-based *vs.* home-based programs, 192
  - challenges and future research, 196–8
  - child characteristics and, 185–6, 192–3
  - classroom environment and teacher-child relationship, 186–7
  - components of, 185
  - cost-effectiveness of, 192–3
  - definitions of school readiness, 184–6
  - emerging research on, 196–8
  - evidence-based research on, 187–8
  - family interactions and, 186
  - home-based programs for parenting improvement, 190–2
  - implementation of, 184–98
  - Implementation Science applications in, 10
  - learning-disabled English language learners, language and reading interventions, 299–304
  - outcomes assessment and adherence to, 193–5
  - poverty as factor in, 187
  - real-world implementation issues, 192–6
  - research on evaluation of, 7–8
  - school-based preschool programs, 188–90
  - social competence programs, 230–45
  - student academic and behavior problems, family-centered, school-based intervention, 264–74
- school truancy, Family Check-Up intervention and, 271–2
- School-Wide Positive Behavior Support (SWPS) program
  - Exploration and Adoption Stage for, 18
  - Family Resource Center (FRC), student academic and behavior problems and, 268–70
- Schwartz, I., 253–4
- Science Review Group, systematic review of science education by, 95–101
- science teaching practices
  - attitudes to science and, 98–9
  - context based/Science-Technology-Society (STS) approaches, 97–8, 103–5
  - effects sizes in evaluation of, 97–8
  - evidence-based programmes for, 92–107
  - fidelity of implementation (FOI) measurements and, 357–8

- science teaching practices (*cont.*)
  - gender and ability effects, 98–9
  - overview of studies, 96–7
  - research methodology in review of, 99–100
  - small-group discussions, effectiveness of, 99, 100–1, 105–6
  - systematic reviews of, 95–103
  - teachers as scientist-practitioners, 136–8
  - understanding of science ideas, evidence-based systematic review of, 97, 103–5
- Science-Technology-Society(STS) approach,
  - science teaching practices, systematic reviews of, 95–105
- Science to Service dilemma, 133–4
- scientific paradigms
  - evidence-based programmes and, 4–5
  - lack of, in school psychology services, 114–16
  - in Problem Analysis Framework, 138–40
  - reading interventions, evidence-based programs, 277–84
  - school psychology services and, 121–2
- scientist-practitioners, teachers as, 136–8
- Scotland
  - epistemological, conceptual, and practical developments in educational psychology in, 116–17
  - school psychology services in, 114–16
- screening procedures, child well being measurements, individual child, 433–4, 439n.5
- secondary prevention, autism and autism-spectrum disorders programs, 250–1
- Seider, S., 407–8
- self-directed work teams, resource mobilization for change and role of, 178–9
- self-evaluation
  - in action research, 416–19
  - child well-being measurements, outcomes over time and, 436
  - metacognition and writing exercises, 414–15
  - social competency programs and, 234, 239
  - social-emotional interventions for young children and promotion of, 212–14
- self-reported practice behaviors, evidence-based practice attitudes scores and, 158
- sensitivity analysis
  - child well being measurements, 425–6
  - cost effectiveness assessment of RCTs and, 49
- service delivery, evidence-based practice attitudes scores and, 158
- Shachar, H., 334–43
- Shapiro, L. R., 290–2
- Share, D. L., 284
- shared book reading interventions, vocabulary development and, 281–2
- shared vision, change initiatives and importance of, 176–8
- Short, A. L., 7–8
- Showers, B., 19–20
- skill-building interventions
  - student academic and behavior problems, 270–1
  - student engagement in school reforms and, 361–9
- Slavin, R. E., 5, 8, 18, 284
- small-group discussions
  - cooperative learning in classrooms and promotion of, 334–5
  - effectiveness in science teaching, 99
  - in science teaching, effectiveness of, 100–1, 105–6
  - student engagement in school policies and role of, 367
  - teachers' discourse during, studies of, 335–43
  - theoretical and practical implications in research on, 343–4
- small-n experimental design
  - case study, 63–4
  - intervention programmes, 57–8
- SMART reading tutoring program, staff selection process for, 23–4
- Smith, P. V., 73
- social competency programs
  - definition of, 231–2
  - effectiveness studies, 233–6
  - framework for school-based program improvement, 230–45
  - future research issues, 243–5
  - implementation phase, 240
  - importance of, 232–3
  - planning phase, 240
  - practice and resources guide for, 243
  - Promoting Alternative Thinking Strategies (PATHS) program case study, 241–3
  - readiness phase, 240
  - school self-evaluation in, 239
  - social construction concept, 230–1
  - sustainability factors, 240–1
  - teachers' role in, 236–7
  - whole-school and programmatic approaches, 237–8
- social constructionism
  - school psychology services and, 117–19
  - social competency programs, 230–1
- social-emotional interventions for young children
  - adoption phase for, 217–18
  - core process components, 211–14

- effectiveness studies of, 209–11, 217
- evidence-based programs for, 207–23
- implementation of, 214–23
- integration with existing practices of, 219
- monitoring of implementation of, 221
- sustainability phase for, 222–3
- training for implementation of, 218–19
- social interactions
  - in action research, 417–19
  - autism and autism-spectrum disorders
    - programs, 251–3, 258–9
  - child well being measurements and, 423–5
  - EcoFit model, student academic and
    - behavior problems, 267–8
  - school readiness interventions and
    - assessment of, 186
  - scientific paradigm in relation to, 5–6
  - small-group discourse in cooperative learning
    - and, 334–5
  - student engagement in school reforms and,
    - 361–9
- social service providers
  - action research and, 404–5
  - evidence-based practice attitudes and
    - implementation and, 151–52
- Social skills training competency, 233–4
- Solity, J., 290–2
- Somekh, B., 407–8
- South Dakota child care case study, program
  - evaluation, 395–400
- Spanish intervention
  - efficacy and follow-up studies of use on
    - learning-disabled ELL students, 306–9
    - learning-disabled English language learners,
      - 299–304
    - research methodology in studies of, 304–5
- special education placement, for learning-disabled English language learners, 299
- speech sounds
  - action research concerning, 412–13
  - reading intervention analysis and, 278–80
- spelling sounds rules, reading interventions and
  - variations in, 278–80
- Spence, S. H., 7–8
- Spillane, J. P., 72–3
- staff selection
  - as competency driver, 23–4
  - complex intervention evaluation, 40
  - social-emotional interventions for young
    - children, implementation and role of,
      - 219–21
- Staff Sharing Scheme, school capacity and
  - teacher skills development and, 135–6
- staff skills development, evidence-based
  - programs
    - facilitative administration and, 26
    - full implementation procedures and, 20–1
    - Implementation Science applications for,
      - 10–12
    - initial implementation stage and, 19–20
    - performance assessment/fidelity, 25
    - sustainability of programs and role of, 21
    - training as competency driver, 24
- Stahl, S. A., 281
- Stahmer, A., 155–6
- stakeholders
  - autism early intervention providers, 258–9
  - Exploration and Adoption Stage and
    - role of, 18
  - initial implementation stage and, 19–20
  - in school social competency programs,
    - self-evaluation by, 239
  - student academic and behavior interventions
    - engagement of, 271
- standardisation of research instruments
  - child care programs, professional
    - development standardization, 395–400
  - child well being measurements, 425–6
  - lack of, in context-based reviews, 103–5
- standards-based curriculum, action research
  - concerning, 412–19
- Stanley, J. C., 64–5
- statistical analysis, meta-analytic syntheses, 73–4
- Stenhouse, Lawrence, 405
- stepwise multiple regression, organizational
  - consultation evaluation, 166–7
- stimulus control, autism early interventions,
  - positive behavior support approach,
    - 248–51
- Stormshack, Elizabeth, 10
- Straight Talk About CCL: A Guide for School Leaders*, 376–7
- Strain, P., 253–4
- Strain, Phillip, 10
- strategic planning, student engagement in school
  - reforms and role of, 363
- stratification, randomised control trials, 41–4
- Strengths and Difficulties Questionnaire*,
  - evaluation of, 11–12
- Strengths and Difficulties Questionnaire (SDQ)
  - child well being measurements, 425–6, 427–37
  - individual child screenings, 433–4
  - program impact evaluation, 435–7
- Stringfield, S., 18–19
- structural critical components
  - social-emotional interventions for young
    - children, barriers to implementation and,
      - 219–21
    - social-emotional interventions for young
      - children and role of, 215–17

- structural evaluations, child care program
  - quality, 394–5
- student academic and behavior problems
  - dissemination of interventions, 272–3
  - EcoFit model, family-centered intervention, 267–8
  - effectiveness studies, 271–2
  - engagement of families in, 271
  - family-centered, school-based intervention, 264–74
  - Family Check-Up (FCU) intervention, 265–67, 270
  - Family Resource Center (FRC) and, 268–70
  - home-school link in, 265–7
  - implementation and application issues, 273–4
  - intervention options menu, 270–1
- student-centered instruction, vote counting
  - research synthesis of, 73
- student engagement in school policies
  - classroom environmental factors in, 364–5
  - cooperative and small-group learning and, 337, 338, 341
  - decision-making skills development and, 363
  - implementation quality, 363–4, 369
  - Implementation Science applications for, 11
  - intermediary organizations and, 365–7
  - school reform proposals and, 361–9
  - social-emotional interventions for young children and role of, 215–17
  - sustainability of, 365–9
- student teaching, team approach to, 416–17
- Success for All Foundation* (SFA), 174–6
- Success for All (SFA) program, Exploration and Adoption Stage for, 18
- Sugai, G., 18
- Summerfield Report, 117–19
- sustainability of evidence-based programs, 21
  - reading intervention scalability and sustainability, 290–2
  - social competency programs, 240–1
  - social-emotional interventions for young children, 222–3
- student engagement in school reforms and, 365–9
- synthetic phonics
  - ABRACADABRA reading intervention program, 286–7
  - debate concerning, 282–3
- systematic reviews
  - basic principles of, 94
  - Evidence for Policy and Practice Initiative Centre example, 94–5
  - methodological issues associated with, 101–3
  - of reading interventions, 277–84
  - in science education, 95–101
- systems intervention, as organizational driver, 26
- Taba, Hilda, 404–5
- Tallaght West, 448
- Taylor, A. B., 423–5
- teachable moments, social-emotional
  - interventions for young children and, 212–14
- teachers
  - ABRACADABRA reading intervention program, technology use by, 287–92
  - action research and role of, 403–19
  - autism and autism-spectrum disorders programs, strategies for, 254–5
  - collaborative approach research involving, 417
  - Collaborative Coaching and Learning (CCL) model, attitudes, knowledge, and skill in, 382–3
  - cooperative learning promotion by, 333–44
  - discourse during cooperative and small-group learning by, studies of, 335–43
  - executive problem solving framework for capacity building in, 132–3, 138–40
  - facilitative administration and, 26
  - fidelity of implementation (FOI) measurements and role of, 349–52, 358–60
  - full implementation procedures and role of, 20–1
  - improvement of school psychology services through, 124–5
  - initial implementation stage and role of, 19–20
  - instructional practices improvement for, 373–87
  - leadership drivers for, 26–7
  - leisure education programmes, training for, 325–6
  - narrative synthesis of innovations by, 72–3
  - organizational consultation regarding, 167–70
  - as practitioners, framework for working with, 143–5
  - problem-solving/decision-making skills development for, 134–6
  - problem-solving groups, attitudes towards, 135
  - reading intervention strategies and role of, 280–1
  - school psychology services link to, 111–28
  - school readiness interventions and teacher-child interaction assessment, 186–7
  - science teaching practices, evidence-based programmes for, 92–107
  - as scientist-practitioners, 136–8

- skills development for, Implementation Science applications in, 11
- small-group discourse promoted by, 334–5
- social competency programs and, 236–7
- social-emotional interventions for young children and characteristics of, 211–14
- social-emotional interventions for young children implementation and role of, 219–21
- sustainability of programs and role of, 21
- technology integration in reading programs, attitudes towards, 284–93
- Teaching Pyramid* approach, teachers' professional development using, 136–8
- Teague, G. B., 347–9
- teaming technique
  - autism and autism-spectrum disorders programs, 254–5
  - student teaching, action research on, 416–17
- teams for program implementation
  - building of, 16
  - initial implementation stage and, 19–20
  - installation stage and role of, 18–19
- teams for program implementation, implementation and role of, 27–8
- Team system for implementation, 16
- technical leadership, characteristics of, 26–7
- technology integration
  - in ABRACADABRA program, teachers' use of, 287–92
  - in reading intervention implementation, 284–93
  - Sandholtz entry, adoption, and adaptation model, 287–92
- temporal variation, in evidence-based practice attitudes scores, 158–9
- tertiary prevention, autism and autism-spectrum disorders programs, 250–1
- test results, systematic review of science teaching practices using, 96–7
- The International Mathematics and Science Survey (TIMSS), 103–5
- theoretical orientation, action research, 406
- TimeWise: Taking Charge of Leisure Time, 317–19
  - implementation issues and future research, 323–6
- tobacco use, leisure time management and, 319–23
- Topping, Keith, 10, 230–45
- Torgerson, C. J., 47, 55–7, 279–80, 284
- Torgerson, D. J., 47, 55–7, 279–80
- training methods
  - ABRACADABRA reading intervention, teacher competency training and effectiveness of, 287–92
  - Implementation Science applications for, 11
  - for mental health providers, evidence-based practice attitudes scores and related findings and, 155–6
  - practitioner involvement in, 462–3
  - social-emotional interventions implementation and, 218–19
  - staff training as competency driver and, 24
  - student engagement in school reforms and role of, 363
  - transactional leadership, evidence-based practice attitudes scores and, 157–8
  - transformational leadership, evidence-based practice attitudes scores and, 157–8
  - translational research
    - example of practice-based synthesis, 79–86
    - Implementation Science and, 70–1
    - leisure education programmes, evidence-based prevention interventions, 323–6
  - trauma professionals, evidence-based practice attitudes scores and, 155–6
  - treatment outcomes, research methodology for, 7–8
  - triangulation of data, in Problem Analysis Framework, 141
  - Trivette, Carol, 9, 78
  - true experiments, design of, 55–7
  - Turtle Technique, social-emotional interventions for young children and, 212–14
- unbundling, effect size data, 78
- understanding, instructional practices and teaching for, 374–6
- United Kingdom
  - action research evolution in, 404–5
  - critical realist framework for school psychology in, 120–1
  - DfES problem-solving/decision-making skills development program, 133–6
  - epistemological, conceptual, and practical developments in educational psychology in, 116–17
  - school psychology services in, 114–16
- unpacking, effect size data, 78
- urgency, resource mobilization for change and absence of, 178–9
- use scenarios, fidelity of implementation (FOI) measurements, 352–3
- Valentine, J. C., 71–2
- validation
  - in action research, 417–18

- validation (*cont.*)
  - autism and autism-spectrum disorders programs, 258–9
  - child well being measurements, 425–6
  - evidence-based practice attitudes survey, 152–3, 154
  - experimental design, 57–8
- Van IJzendoorn, M. H., 278–80
- Van Manen’s model of reflection, 406–7
- Varney, G., 166–70
- Vaughan, Sharon, 10
- vignettes, teachers’ discourse during cooperative and small-group learning, studies of, 306–9, 337–8
- vocabulary development
  - for learning-disabled English language learners, 303
  - Lectura Proactiva* Spanish intervention program for learning disabled ELL students, 303–4
  - systematic reviews of programs for, 281–2
- vote counting syntheses, 73
- “wait-to-fail” model, learning-disabled English language learners, interventions based on, 299–304
- Walberg, H., 167–70
- Walker, D., 406–7
- Wang, M., 167–70, 347–9
- Warikoo, Natasha, 413–14
- Warwick, D., 166–70
- Wayne, Matt, 412
- web-based learning, ABRACADABRA reading intervention program, 286–93
- Weissberg, R., 423–5
- Weist, M., 158–9
- Welsh, Janet, 9–10, 184–98
- Welsh Sure Start study, IY Parent Programme, 41–4
- Wheldall, K., 136–8
- whole-school reform. *See* comprehensive school reform (CSR)
  - social competency programs, 235–6, 237–8
- Wilde, Oscar, 51
- Woodcock Language Proficiency Battery-Revised (WPLB-R)* test
  - English interventions for learning-disabled ELL students, evaluation using, 305–6
  - of Spanish interventions for learning-disabled ELL students, 306–9
- Woolfson, Lisa Marks, 9–10, 11–12, 132–46
- word recognition tasks, for learning-disabled English language learners, 302–3
- work breakdown structure, planning
  - engagement in school reform and role of, 176–8
- Worley, C., 166–70
- writing skills development, action research and, 414–16
- youth-adult partnerships, student engagement in school reforms and, 361–9
- youth arrest records, Family Check-Up intervention and, 271–2
- youth development
  - EcoFit model, student academic and behavior problems, 267–8
  - leisure education programmes, evidence-based prevention interventions, 313–27
  - student engagement in school reforms and, 361–9
- Yukawa, Joyce, 11
- Zaslow, M., 395–400
- Zeichner, K., 407–8
- Zhu, D., 284
- Z statistic, research synthesis meta-analysis, 77–8, 82–5