Note: “t” following a page number indicates a table; “f” indicates a figure; “n” indicates a note.

Abbott, R. A., 341
Abstraction
development of, 114, 133–34
grammatical metaphor, 127–28
and nominalization, 123, 125
and noncongruence, 115
Academic subjects. See Genre
Adolescent writing development. See Writing development, in adolescence
Adult writing development. See Writing development, in adulthood
Affluence, 313
Agency
in adolescence, 183–84
and adolescent writers, 203–6
defined, 182
and learning, 312
as realized through language, 184
Age-related benchmarking, 102–3
Ahearn, L. M., 182, 184
Applebee, A. N., 152, 158, 183, 187, 206, 213, 214
Assessment, 43–44, 253–54, 376–81
Attention, 295
Attitudinal meaning, 117–18, 126–27, 133–34
Atwell, Nancie, 234
Australia, 40
Baddeley, A., 295, 296
Balanced writing instruction, 152, 158
Baltes, P. B., 338
Bay Area Writing Project, 232
Bazerman, Charles, 15
Beaufort, A., 342
Beers, S. F., 139
Beliefs, 292–94
Benchley, Robert, 283
Berninger, V., 25, 341
Boekaerts, M., 302
Boscolo, P., 167
Boynton, Bob, 234
Brain systems
and longitudinal studies, 344, 356
and writing development, 25, 314
Brandt, Deborah, 331, 337
Bronfenbrenner, Urie, 245, 246, 262–63
Bulté, B., 145n13
Burke, Jim, 235
Bus, A. G., 63
Cain, C., 184
Carlisle, J., 341
Carroll, L. A., 339
Childhood writing development. See Writing development, in childhood
Christie, F., 40, 112, 340
Clay, M. M., 63
Clifford, G. J., 212–13
Cochran-Smith, M., 237
Cognitive overload, 287
Cognitive processes
  attention, 295
  beliefs, 292–94
  components of, 288–303, 289f
  conceptualization, 300
  control mechanisms, 294–99
  emotions, 302
  executive control, 296–99
  “hijacking” of, into writing processes, 14–15, 33–35
  ideation, 300
  knowledge, 290–92
  limitations of, 285–88
  long-term memory, 289–94
  modulators, 301–3
  personality traits, 303
  physiological states, 303
  production processes, 299–301
  reconceptualization, 301
  as shaping written products, 284–85
  transcription, 301
  translation, 300–301
  working memory, 295–96
Cole, M., 27, 309
Collaboration. See also Relationality; Writing community
cross-generational, 168–69
in early childhood writing, 57, 61
and longitudinal studies, 354
in workplace writing, 252
and writers’ identities, 23–24
and writing curriculum, 217–18
in writing development, 9–10
Complexity, 24–27, 104
Conceptualization, 300
Congruence
  defined, 114–15
  vs. noncongruence, 124, 128
Content, of writing, in early childhood, 76–77, 78–79t, 85–87, 86t
Contexts, 22–24, 103–4
Control mechanisms, 294–99
Crossley, S. A., 140
Curriculum. See also Teachers
  and assessments, 43–44
  and childhood writing development, 103–4
  customizing, 219–25
  defined, 210
  effective, 142–43
  implications of research for, 376–81
  instructional time for writing in, 213–15
  and multilingual writers, 222–25
  multiplicity of, 215–16
  operational vs. official, 210
  and participatory writing, 217–18
  students as focus of, 225–28
  and technology, 218–19
Darling-Hammond, L., 228, 229, 232
Darwin, Charles, 308
Deaf writers, 13, 144n2
Derewianka, B., 40, 340
Development. See Writing development
Dias, P., 342
Directionality categories, 71–73, 72t, 73f, 82–84, 83t
Disability, 30–31, 154–56, 166–68, 170
Dispositions, 262–67
Domain knowledge, 142–43, 291
Index

Du Bois, J. W., 189
Dyson, A. H., 34–35, 63, 64, 341

Educational policy, 102–3, 376–81
Efficacy, 292–93
Eisner, E. W., 237
Elder, Glen, 255–57
Embodiment, 8
Emergent-literacy perspective and dimensions of writing development, 373–74 of early childhood writing, 55–57 and longitudinal studies, 340–41 and Write Start! study, 103–4
Emotions, 302
English, as academic subject, 123
Evaluation. See Assessment
Executive control, 296–99
Expectancy-value theories, 292
Extrinsic motivation, 293

Fayol, M., 341
Ferreiro, E., 63
Flowers, L. S., 152
Form categories, 67, 68–69t, 70–71, 80–82, 80t
Franklin, Benjamin, 312
Freedman, A., 342
Freyre, Tracey, 222
Friedrich, L., 235

Galbraith, D., 303
Gallaher, Kelly, 235
Galvan, N., 167
Gawande, Atul, 238–39
Gelati, C., 167
Genetics, 314
Genre
and complexity of writing development, 26 and growth in writing, 40 student understanding of, 143

in study of writers with learning disabilities, 167–68 writers’ perceptions of, 194–95 writing skills required by, 123, 130–32
Goal orientation, 293
Goodman, Yetta, 56
Graham, Steve, 15, 213, 215
Gray, James, 232
Halliday, M. A. K., 118, 135, 136–37, 144n1, 144n3
Halpern, Jerry, 233–34
Handwriting, 216
Harrington, Liz, 217–18, 225–26
Harvard Study of Writing, 339
Haswell, R. H., 340
Hawken, L. S., 213
Haycock, Kati, 228–29
Hayes, J. R., 152, 168, 295
Hildreth, G., 100
Historical conditions, 31–32, 255–62. See also Technology
History, as academic subject, 129–30
Holland, D. C., 184
Housen, A., 145n13
Human development
Bronfenbrenner’s ecological perspective on, 245–46, 262–63
effects of historical events on, 255–262
life-course perspective of, 245–46
life-course vs. lifespan views, 247
role as concept, 250–55
Hunt, K. W., 340
Hypothesis testing, 56
INDEX

Ideation, 300
Identity
  and collaborative writing, 23–24
  and efficacy, 292–93
  and multilingual writers, 184
  role of, in writing development, 152, 294
  and variability, 29
Infection control, 238–39
Intentionality, 56–57, 61, 74–76, 75t, 84–85, 84t
Interpersonal meaning, 141
Intrinsic motivation, 293
Inverness Research study, 230
Jago, Carol, 235
James, K. H., 25
Jao, R. J., 25
Kagan, J., 337
Kasten, W. C., 341
Kellogg, R. T., 286
Kepethorne, Charley, 308
Kennedy, Judy, 218–19, 226
Kind, Stella, 260–61
King, M. L., 341
Kiuharu, S. A., 213, 214–15
Knobel, M., 294
Labaree, D. F., 231
Lachicotte, W., 184
Langer, J. A., 213
Language development, 8–9, 37–38, See also Speech
Leadership, 234–36
Learning
  through accumulated capital, 313
  and agency, 312
  experiential, 310–11
  observational, 311
  from others, 311–12
  reciprocal relationship of, with writing development, 35–36
Left-to-right directional patterns.
  See Directionality
categories
  Lewis-Murphy, Zack, 220
  Lexicogrammar, 144n1
  LGBTQIA issues, 260–61
  Lieberman, Ann, 231, 234
Life-course development. See
  Human development
Linearity, 63–64
Listening skills, 290
Loban, W., 340
Longitudinal studies
  age of initiation, 347–48
  attrition in, 346
  benefits of, 327–29
  data categories, 351–57
  data collection, 348–50
  design of, 342–45
  Harvard Study of Adult Development, 334–35
  multidecade and lifespan, 333–36
  and neurology, 344, 356
  overview of, 330–33
  in psychological development, 336–38
  relationships between subjects and researchers, 335, 346
  subject population and study maintenance, 345–47
  and technology, 344–45, 349–50, 354–55
  Terman study, 333–34
  of writing, 338–43
Long-term memory, 289–94
Luria, A. R., 64
Lytle, S. L., 237
MacLean, Marion, 236–37
Maday, Corine, 227
Matsuda, P. K., 186
Matthews, G., 303
Mayer, K. U., 247
McCarthy, P. M., 140
McIntosh, A., 144n3
Index

McLaughlin, Milbrey, 231, 234
McNamara, D. S., 140
Medway, P., 342
Memory, long-term, 289–94
Memory, working, 295–96
Metacognition, 171
Modulators, 301–3
Mohr, Marian, 234, 236–37
Moje, E. B., 183
Molfese, V. J., 63
Moore, D. W., 183
“Motherese,” 171
Motivation, 293
Multilingual writers. See also
Deaf writers
as adolescents, 185–87, 195–98, 197f, 204
challenges encountered by, 38–39
cognitive resources of, 290
and curriculum, 222–25
identity work for, 184
use of abstraction, 125
variability of, 29
writing development of, 12–13, 135, 145n13
Multimodality, 26
Murphy, S., 233–34
Myhill, D., 138, 140

Nagy, W. E., 139, 341
National Commission on
Writing, 218, 229, 230–31
National Study of Writing Instruction (NSWI). See also Writing development, in adolescence
overview of, 181–82
stance analysis, 189–90
study background, 187–88, 188t
study methodology, 189–91, 190t
study results, 191–203, 192f, 193f, 197f, 199f, 201f, 202f

National Writing Project, 230
Nesselroade, J. R., 338
Neurology
and longitudinal studies, 344, 356
and writing development, 25, 314
No Child Left Behind (NCLB), 213
Nominalization, 123–25, 133
Noncongruence. See also
Abstraction
vs. congruence, 124, 128
defined, 115
grammatical metaphor, 127–28, 136
Norms and normativity, 11–13, 102–3
Norris, J. M., 138
Noun groups
and abstraction, 115
in adolescent writing, 140–41
examples of, in student writing, 121, 123–24
as indicator of development, 120–21, 133
Nouns, 33–34, 37
NSWI. See National Study of Writing Instruction (NSWI)

Ochs, E., 189
O’Dowd, E., 125
Offen-Brown, Gail, 227
Olinghouse, N. G., 167
Ortega, Alejandro, 244–45
Ortega, L., 138
Overlapping-waves theory, 101–2
Pace, of development, 93
Paré, A., 342
Penmanship, 216
Performance avoidance goals, 293

− 387 −
INDEX

Perin, Dorothy, 215
Perry, K., 272
Personality traits, 303
Petersen, T., 337
Physiological states, 303
Policy, 102–3, 376–81
Positive deviance, 238–40
Posner, G., 210
Poverty, 313
Preschoolers. See Writing development, in childhood
Problem solving, 238–40, 297
Production processes, 299–301
Professional development, 229–31
Punishment writing, 199, 199f
Purves, Alan, 39
Quality of writing, 137–39
Readence, J. E., 183
Readiness perspective, 55–56
Reading
as cognitive resource, 290–91
curriculum as dominated by, vs. writing, 212–13
defined, 56
reciprocal relationship of, with writing development, 36, 55–56
Reconceptualization, 301
Recursivity, 63–64, 101–2
Register, 144n3
Reitzle, M., 337
Relationality. See also Collaboration
and longitudinal studies, 335
and technology, 32
of writing, 27
Rentel, V., 341
Researchers, teachers as, 236–37
Robinson, K., 331, 337
Rogers, P. M., 339
Rogoff, B., 61–62, 102
Rowe, D. W., 341
Santangelo, T., 167
Schleppegrell, M., 112, 340
Schmidt, Anne, 251–52, 253
Schmidt, T., 331, 337
School, 22–23, 184–85. See also Curriculum
Schooler, C., 337
Science, as academic subject, 123, 130, 131–32
Scribner, S., 309
Seesaw trajectories, 93–94
SFL. See Systemic functional linguistics (SFL)
Siegler, R. S., 101
Sipe, L. R., 341
Skinner, D., 184
Smith, M. A., 233–34
Snyder, J., 228, 229
Social norms. See Norms and normativity
Social practices, 34–35
Social status, 29–30
Sociocultural perspective, 61–62, 167
Speech. See also Language development
as cognitive resource, 290
development of, vs. writing, 37–38
and early childhood writing development, 105
as foundation for writing, 36–37, 113, 135–36
vs. writing, in SFL, 112
and writing development, 33–34
Stanford Study of Writing, 339
Sternglass, M. S., 340
Sternin, Jerry, 239
Sternin, Monique, 239
Steward, Samuel, 283–84
St. John, M., 230
Stokes, L., 230, 236
Stress, 303
Strevens, P., 144n3
Students, 225–28. See also
  Multilingual writers;
  Writers
Sulzby, E., 55, 56, 64
Systemic functional linguistics
  (SFL)
  abstraction in, 114–15, 123,
  125, 127–28, 133–34
  attitudinal meaning, 117–18,
  126–27, 133–34
  congruence, defined, 114–15
  congruence vs. noncongruence,
  124
  developmental progression in
  writing, 114–17, 115f,
  133–35, 134f
  embedded clauses, 139–40
  grammatical metaphor,
  127–28, 133, 136, 138
  interpersonal meaning, 141
  “lexicogrammar,” 144n1
  and multilingual writers, 125,
  135
  nominalization, 123–25, 133
  noncongruence, defined, 115
  noun groups, 120–21, 123–24,
  133
  overview of, 111–12
  register, 144n3
  as theoretical framework,
  141–43
  T-unit analysis, 138–39
  use of Reference, 119–20, 123,
  133, 145n10
  use of Theme, 118–23, 124,
  133, 140–41, 145n9
  views of, 136–41
  and writing quality, 137–39

Teachers. See also Curriculum
  engagement of, 379–80
  importance of skilled, 228–29
  professional development of,
  229–31
  as researchers, 236–38
  sharing knowledge and expert-
  tise, 231–34
  as writers, 234–36
  Teale, W. H., 55, 56
  Teberosky, A., 63
Technology. See also Historical
  conditions
  access to, 218
  and collaborative writing, 32,
  217–18, 276
  and curriculum, 218–19
  and human development,
  256–59
  and longitudinal studies,
  344–45, 349–50, 354–55
  multimodality of modern writ-
  ing, 26
  and writing development, 10,
  32, 104–5
  Terman study, 333
  Teti, D. M., 331, 337
  Transcription, 301
  Translation, 168, 300–301
  Treiman, R., 342
  T-unit analysis, 138–39
  Vaillant, G. E., 346
  Variability
  in early childhood writing
devvelopment, 63, 64, 87,
  92–97, 98–102, 104
  and overlapping-waves theory,
  101–2
  overview of, 14
  and writers’ identities, 29
  of writing, by genre, 123,
  130–32
  of writing development, 28–31
  Vaughan, S., 341
  Vondracek, F. W., 337
  Warrick, Margaret, 257–59
  Whitney, Anne, 235
  Whittaker, R., 128
  Wikipedia, 308

– 389 –
INDEX

Wilde, S., 341
Wilson, J., 167
Winsor, D. A., 342
Working memory, 295–96
Workplace writing, 27, 250–55, 266–67

Writers
  cognitive architecture of, 283–303
  self-beliefs of, 292–94
  study of learning-disabled, 154, 155–56, 166–68, 170
  study of typically developing, 155–58, 159–60t, 160–63f, 163–65, 170
  teachers as, 234–36

Writer(s)-within-community model
  cognitive architecture of writers, 283–303
  interaction between community and writers, 304–7
  mechanisms promoting development, 307–13
  overview of, 272–73
  writing community, 273–83, 280f

Write Start! study. See also Writing development, in childhood
  age-group patterns, 79–87, 80t, 83t, 84t, 86t
  directionality categories, 71–73, 72t, 73f, 82–84, 83t
  form categories, 67–71, 68–70t, 80–82, 80t
  intentionality categories, 74–76, 75t, 84–85, 84t
  message content categories, 76–79, 78–79t, 85–87, 86t
  overview of, 65–66
  pace of learning, 93
  photo-caption task, 58–60, 58f
  policy implications of, 102–3
  progress narrative, 88–92, 89–90t, 91f
  seesaw trajectories, 93–94
  and variability, 92–97

Writing
  definitions of, 10, 21, 56
  distributed location of, 27
  longitudinal studies of, 338–43
  as punishment, 199, 199f
  quality of, 137–39
  relationality of, 27
  as shortchanged in curriculum, 212–13
  vs. speech, in SFL, 112
  speech as foundation for, 113, 135–36
  workplace, 27, 250–55, 266–67

Writing community. See also Collaboration; Writer(s)-within-community model
  actions, 276–77
  collective history, 278–79
  components of, 274–79, 280f
  defined, 273–74, 282
  members, 275
  operation, 279–83, 280f
  physical and social environments, 278
  products, 277
  purpose, 274
  tools, 276

Writing development
  cross-generational collaboration in, 168–69
  definitions of, 6, 7
  dimensions of, 371–76
  as embodied act, 8
  and identity, 152, 294
  lack of research on, 4, 21
  and language development, 8–9
  mono- vs. multilingual, 12–13
  multiple dimensions of, 10–11
  and neurology, 23, 314
  oral language as foundation for, 36–37
Index

and policy, 376–81
principles of, 22–41
reciprocal relationship of, with nonwriting processes, 35–36
relationality of, 9–10
as shift from speech into writing, 135–36
social norms’ effects on, 11–13
and technology, 10, 32
Writing development, in adolescence. See also National Study of Writing Instruction (NSWI)
and authorial agency, 183–84, 203–6
complexity of, 140
in different subjects, 123
and language density, 122
metacognition in, 171
and multilingual writers, 185–87, 195–98, 197f, 204
and perceptions of genre, 194–95
secondary school contexts for, 184–85
Writing development, in adulthood
dispositions for, 262–67
study of, 248–49
and workplace roles, 250–55
Writing development, in childhood. See also Systemic functional linguistics (SFL); Write Start! study
age-group patterns, 79–87, 80t, 83t, 84t, 86t
complexity of, 104
contexts of, 103–4
and curriculum, 103–4
directional patterns, 71, 72t, 73, 73f, 82–84, 83t
emergent-literacy vs. readiness perspectives, 55–57
form categories, 67, 68–69t, 70–71, 80t
intentionality, 56–57, 61, 74, 75t, 76, 84–85, 84t
learning disabilities, 154
lifespan view of, 103–5
as linear vs. recursive, 63–64
message content categories, 76–77, 78–79t, 85–87, 86t
overlapping-waves theory of, 101–2
overview of research in, 62–65, 151–56
pace of, 93
progress narrative, 88, 89–90t, 91–92, 91f
and reading, 55–56
relationality of, 57, 61
seesaw trajectories, 93–94
SFL perspective on, 117–27
sociocultural perspective, 61–62
and speech, 105
and technology, 104–5
variability of, 63, 64, 87, 92–97, 98–102, 104
Writing style, by genre, 123, 130–32
Writing tools, 32. See also Technology

Young, J. P., 183
Zeidner, M., 303