

Index

- Abstract thought, 105, 165–166, 176
 Acceleration hypothesis, 267–268
 Accommodation, 22, 72–73, 121
 see also Hearing loss/hearing impairment
 Achievement gap, 232
 Acoustics, 72–73
 Across-grade classroom strategies, 11–12
 Active listening, 280
 Adam's apple, 82
 Adaptation, 120–121
 Adaptive physical educators (APEs), 251
 Adolescent language development, 161–184
 case studies, 161, 181–182
 classroom strategies, 179–181
 cognitive development, 176
 derivational morphemes, 170–172
 interpersonal negotiation strategies, 177–179
 language content growth, 173–176
 language development, 164–166
 literacy skills, 204–206, 286–287
 nonverbal communication, 179
 pragmatic language use, 176–177
 syntactic growth, 166–170
 vocabulary growth, 172–173
 Advanced language proficiency stage, 248
 Affricate sounds, 92
 African American English, 227–243
 academic context, 230–232
 case studies, 240–241
 code-switching, 232–233
 infants and toddlers, 131–132
 morphosyntactic features, 230
 oral narratives, 234–238
 preschool-age children, 156–157
 reading and writing skills, 233–234
 social perception, 229–230
 topic-associating/topic-centered narratives,
 215–216, 235–237
 African American oral tradition, 234
 Age 6 through adolescence, 161–184
 Ages 18 to 36 months, 119–120
 Ages 3 to 5 years, 139–160
 at-risk children, 153–154
 book reading strategies, 154
 classroom strategies, 154–156
 cognitive development, 142
 emergent literacy, 151–156
 language development, 139–146
 language differences, 156–158
 morphosyntactic development, 144–145
 phonological development, 142–143
 pragmatic development, 148–151
 semantic development, 145–148
 Alphabetic principle, 42, 153
 Alternations, 204
 Alveolar ridge, 84, 85
 American Sign Language (ASL), 71
 Appalachian dialects, 229–230
 Approximants, 85, 87, 89
 Apraxia, 94, 135–136
 Articulation
 articulation disorders, 94
 articulators, 81, 84, 85
 children, 143
 definition, 38
 narrative discourse, 211
 speech and language disorders, 52
 stop sounds, 90
 Asian cultures, 217
 Asperger Syndrome, 221–222
 Assimilation, 22, 120, 121
 Assistive listening devices, 72
 At-risk children
 infants and toddlers, 132–135
 preschool-age children, 153–154
 Response to Intervention (RTI) approach,
 252–253
 Attention, 49
 Attention-deficit hyperactivity disorder (ADHD),
 219–220

- Attitude, 72
- Atypical language development, 37–58
- Audiograms, 61
- Auditory feedback, 81
- Auditory-oral communication approach, 71
- Auditory processing disorder (APD), 64–65, 68
- Auditory technologies, 71–72
- Auditory-verbal communication approach, 71
- Auditory-visual communication approach, 71
- Average sentence length, 169–170
- Axon, 106, 107
- Babbling, 118, 132, 135–136, 278
- Background noise, 72
- Back vowels, 87
- Basic interpersonal communicative skills (BICs), 248–249
- Basic sentence structure, 167, 169
- Bates, J., 18, 22–25
- Bidialectism, 240
- Bilingualism
 - bilingual programs, 249–250
 - case studies, 245, 259–260, 263, 273–274
 - classroom environment, 258
 - classroom strategies, 253–255, 272–273
 - content material, 255–257
 - cross-linguistic effects, 266
 - definitions, 246–247, 264–265
 - delayed speech sound development, 270–271
 - error patterns, 271
 - language acquisition and learning, 245–262
 - language proficiency, 269–270, 272
 - monolingualism–bilingualism comparisons, 266–269
 - proficiency tests, 258–259
 - Response to Intervention (RTI) approach, 251–253
 - speech development processes, 266–268
 - speech disorders, 269–271
 - speech sound development, 263–276
 - teacher content delivery style, 257
 - teacher–parent interactions, 282
 - two speech sound systems, 265–266
 - see also* Second-language learning
- Birth to age 3
 - see* Infants and toddlers
- Book reading strategies, 154, 191
- Brain research
 - brain areas, 106–108
 - brain cells, 105–106
 - brain development and growth, 103–104
 - brain parts, 108–110
 - brainstem, 107, 108, 110
 - classroom environment, 104–105
 - language development, 102–104
- Breathing mechanism, 81–82
- Broca's area, 108
- Case studies
 - African American English, 227, 240–241
 - bilingual speech sound development, 263, 273–274
 - complex concepts, 161, 181–182
 - early language development, 17, 33–34, 277, 287–288
 - English language learners (ELLs), 245, 259–260, 263, 273–274
 - expressive language skills delay, 115, 135–136, 139, 158
 - family involvement, 277, 287–288
 - hearing loss/hearing impairment, 59, 74–75
 - learning disabilities, 101, 111
 - literacy and spelling development, 185, 206
 - narrative discourse, 209, 223–224
 - performance evaluations, 1, 13–14
 - second-language learning, 263, 273–274
 - social interaction, 37, 54–55, 79, 96–97
 - speech production, 79, 96–97, 139, 158
- Causal events, 211
- Cell body, 106, 107
- Central auditory processing disorders (CAPD), 53
- Central nervous system, 106
- Cerebellum, 107, 108, 110
- Cerebral cortex, 106–107, 108
- Cerebral plasticity, 103
- Cerebrum, 106, 108
- Childhood apraxia of speech (CAS), 135–136
- Chomsky, Noam, 19, 26, 27
- Chronological narratives, 213
- Chunking, 198, 278
- Classic narratives, 213
- Class participation, 73
- Classroom environment
 - brain research, 104–105
 - cognitive components, 10–11
 - instructional strategies, 11–13
 - language performance evaluations, 1–3
 - language skills, 4–7
 - literacy development, 188–189

- reading skills, 7–8
- second-language learning, 258
- social communication, 10
- speech and phonological skills, 9
- writing skills, 8–9
- Classroom strategies
 - across-grade language development, 11–12
 - age 6 through adolescence, 179–181
 - bilingualism, 253–255, 272–273
 - content material, 255–257
 - dialect use, 239–240
 - elementary school years, 199–204
 - emergentism, 30
 - environmental theories, 25–26
 - hearing impaired students, 68, 70–74
 - innateness theory, 27–29
 - language development, 51–52, 278
 - learning difficulties, 110
 - listening skills, 12
 - literacy skills, 188–193, 199–204, 205
 - narrative development, 238–239
 - narrative discourse, 222–223
 - parent training models, 282–284
 - pragmatic theory, 26
 - preschool-age children, 154–156, 188–193
 - reading skills, 12, 180, 200–202
 - second-language learning, 253–255
 - social interaction, 54–55
 - speech problems, 94–95, 272
 - speech production, 180
 - theory of mind, 32–33
 - writing skills, 180–181, 193, 202–204, 206
- Cloze procedure, 23
- Cluttering, 94
- Cochlear implants, 66, 71
- Code-switching, 232–233, 247
- Cognition, 47–50
- Cognitive Academic Language Learning Approach (CALLA), 249, 250
- Cognitive academic language proficiency (CALP), 248–249
- Cognitive balance, 22, 121
- Cognitive development
 - age 6 through adolescence, 165–166
 - basic concepts, 21–22
 - cognition–language relationship, 123
 - developmental stages, 121–123
 - figurative language, 176
 - language development, 120–123
 - phonological processing, 42–43
 - prerequisites, 22
 - preschool-age children, 142
- Cognitive dissonance, 120
- Cognitive functions, 10–11, 109
- Coherent structures, 210
- Communication disorders, 52–54
- Communication skills
 - basic concepts, 3
 - components, 3–4
 - hearing impaired students, 72–73
 - interpersonal negotiation strategies, 177–179
 - pragmatic theory, 24
 - social interaction, 10
 - speech production, 79, 81, 96–97
- Communicative competence, 176–177, 278
- Communicative intentions, 148
- Communicative proficiency, 248–249
- Communicative units (C-Units), 170
- Community competence, 283
- Competition model, 24–25
- Complex language development, 166–172
- Complex sentence structure, 167–169
- Compound-complex sentences, 168–169
- Compound sentences, 167–168
- Comprehension
 - elementary school years, 194–195, 196
 - preschool-age children, 187
 - second-language learning, 254
- Concept development, 146–147
- Conductive hearing loss (CHL), 62, 63
- Congenital hearing loss, 62, 63, 66
- Conjunctions, 167–169
- Conjunctives, 145
- Conscious learning, 239–240
- Constriction, 84
- Content
 - content material learning strategies, 255–257
 - definition, 38
 - speech production, 92–93
 - word production, 45–47
- Content area learning, 205
- Context/contextual factors, 23, 175
- Continuity, 24
- Conversational skills
 - expressive language, 6–7
 - hearing loss/hearing impairment effects, 65–66
 - preschool-age children, 148–150

- theory of mind, 32
see also Social interaction
- Cooperative learning, 254, 258
- Corpus callosum, 108
- Critical thinking skills, 11, 166
- Cross-linguistic effects, 266
- Cultural differences, 131, 214–218
- Cytomegalovirus, 63
- Deafness, 53, 61–62
- Deceleration hypothesis, 267
- Decoded information, 3
- Decontextualization, 122, 192
- Decontextualized narratives, 212
- Deep structure, 27
- Deferred imitation, 121
- Delayed speech sound development, 270–271
- Dendrites, 106, 107
- Density of dialect use, 230–231
- Dependent clauses, 168
- Derivational morphemes, 170–172
- Dialects, 156–158, 239–240
see also African American English
- Dialogic book sharing, 191
- Dialogic instruction approach, 155–156
- Dialogue journals, 255
- Diaphragm, 82
- Dictated stories approach, 254–255
- Differentiated instruction, 200
- Diphthongs, 85, 87
- Discourse skills, 141–142, 150–151
- Discrimination, 50
- Dominance, 247
- Dominant language, 246–247
- Dual-function words, 173, 174
- Dual immersion programs, 249
- Duration concepts, 29
- Dynamic articulators, 84, 85
- Early grammar, 24
- Early language development, 17, 33–34, 277, 278–280, 287–288
- Early production second-language learning stage, 248
- Early school-age language development, 162–164
- Educational audiologists, 69
- Educational disadvantage, 131
- Egocentric speech, 21
- Elementary school strategies, 193–204
- Embedded dependent clauses, 169
- Embedded phrases, 145
- Emergentism, 18, 19, 29–30
- Emergent literacy, 142, 151–156, 186
- Encoded information, 3, 153
- End-at-the-high-point narratives, 213
- English language learners (ELLs), 245–246, 259–260, 263, 273–274
- Environmental language learning theory, 17
- Equilibrium, 22, 121
- Error pattern frequency, 271
- Etymologies, 204
- Evidence-based writing strategies, 203
- Executive functions, 10–11, 104–105, 109
- Expansion strategies, 22, 23
- Experience-dependent skills, 116
- Expiration, 82
- Explicit teaching of learning strategies, 256
- Expressive language
 basic concepts, 6–7
 case studies, 115, 135–136, 139, 158
 communication disorders, 53
 infants and toddlers, 115, 135–136
 preschool-age children, 139, 158
 vocabulary development, 127
- Eye gaze, 140
- Family involvement, 277, 278–280, 287–288
- Fictional narratives, 150–151, 209–211
- Fictional story prompt, 210
- Figurative language, 46, 173–176, 204
- First grade language development, 163
- Fluency
 classroom strategies, 200–201
 elementary school years, 194–195, 198, 200–201
 preschool-age children, 187
 speech and language disorders, 52
- Form, 38–44
- Formal operational thinking, 165–166, 176
- Frequency modulation (FM), 72
- Fricative sounds, 91
- Frontal lobe, 108–109
- Fronting, 91
- Front vowels, 87
- Fundamental frequency, 92
- Gender differences, 50–51, 125, 131, 178–179
- Generalization, 278
- Genetic inheritance, 103
- Genuine metaphoric responses, 174–175

- Gestures, 140
 Glides, 85, 89
 Glottis, 91
 Good language models, 279–280
 Grammar, 65
 Graphemes, 39
 Greek roots, 172
 Grey matter, 105
 Griots, 234
 Guided distributional learning theory, 19
- Habilitation technologies, 61
 Hard-of-hearing, 61–62
 Hard palate, 84, 85
 Hearing aids, 71
 Hearing loss/hearing impairment
 - case studies, 59, 74–75
 - characteristics, 53, 59–61
 - classifications, 61–62
 - educational considerations, 69–70
 - identification strategies, 67–68
 - language instruction approaches, 70–74
 - prevalence, 61
 - speech and language disorders, 65–67
 - team management approach, 69
 - types and causes, 62–65
- Hearing screening programs, 68
 Heschl's gyrus, 110
 Higher-order thought processes, 254
 High-quality instruction, 252
 Hispanic and Latino children, 132, 157–158, 216–217
 Home-based literacy activities, 284–287
 Homework assignments, 286–287
 Homophones, 198
- Idioms, 174, 175
 Imitation, 118–119, 121
 Impaired narrative discourse, 218–219
 Incidental learning, 201
 Inclusion classes, 70
 Incoherent descriptions, 210–211
 Individual Education Plan (IEP), 70
 Individualized intervention, 252
 Individuals with Disabilities Education Act (IDEA), 69–70
 Infants and toddlers, 115–138
 - ages 18 to 36 months, 119–120
 - at-risk children, 132–135
 - birth to age 3, 115–138
- brain development and growth, 103–104
 cognitive development, 120–123
 developmental milestones, 134
 instructional strategies, 135
 intentional communication, 128–129
 language development, 115–138, 278–279
 language differences, 131
 language production and perception, 118–119
 morphosyntactic development, 124–125
 perceptions, 117–118
 phonological development, 123–124
 pragmatic development, 128–131
 reading comprehension, 280
 semantic development, 125–128
 sound perception, 117–118
 testing and identification strategies, 67–68
- Inference, 101, 110
 Information processing, 105, 120
 Innate language abilities, 17, 103–104, 115–116, 120
 Innateness theory, 19, 26–29
 Input, 28–29
 In-service training, 73
 Inspiration (inhalation), 82
 Intelligible speech, 81
 Intentions, 140
 Intermediate language proficiency stage, 248
 International Phonetic Alphabet, 80–81
 Interpersonal negotiation strategies, 177–179
 Intonation, 29, 92–93, 117
 Intraoral pressure, 84
 Intrasentential growth, 167
 Invented spelling, 198
- Jargon, 118, 280
 Joint attention/joint-attention activity, 129, 280
 Joint focus, 116–117, 132, 280
- Kindergarten language development, 163
 KWLH (know–want to know–learned–how) strategy, 202
 KWL (know–want–learn) method, 256
- Language**
 - acquisition theories, 18–29
 - components, 38–47
 - content growth, 172–176
 - definition, 4
 - dialects, 156–158, 239–240
 - figurative language, 46, 173–176, 204

- language disorders, 65–67, 269–271
- language–environment connection, 13
- language loss, 247
- proficiency, 269–270, 272
- proficiency tests, 258–259
- receptive language, 4–6, 53–54, 127
- rules, 2
- vocabulary growth, 146, 172–173
- Language acquisition device (LAD), 26
- Language acquisition theories
 - background information, 18–19
 - environmental theories, 19–26
 - innateness theory, 26–29
- Language development
 - age 6 through adolescence, 161–184, 286–287
 - ages 18 to 36 months, 119–120
 - brain research, 102–104
 - classroom strategies, 51–52, 278
 - cognition–language relationship, 123
 - cognitive development, 120–123
 - complex language input sources, 165
 - family involvement, 278–280
 - home-based strategies, 284–286
 - infants and toddlers, 115–138, 278–279
 - kindergarten to third grade, 163–164
 - parent training models, 282–284
 - play behaviors, 121–122
 - preschool-age children, 139–160
 - teacher–parent interactions, 280–282
 - teacher's role, 278
- Language dialects, 156–158, 239–240
 - see also* African American English
- Language differences, 50–51, 131–132, 156–158, 214–218
- Language disorders, 52–54, 65–67, 269–271
- Language diversity, 245–246
- Language experience approach, 254–255
- Language loss, 247
- Language models, 279–280
- Language of thought, 48
- Language processing, 105
- Language proficiency, 269–270, 272
- Language proficiency tests, 258–259
- Language variation, 228
- Larynx, 82–84, 86–89
- Late childhood language development, 161–184
 - case studies, 161, 181–182
 - classroom strategies, 179–181
 - cognitive development, 176
 - derivational morphemes, 170–172
 - interpersonal negotiation strategies, 177–179
 - language content growth, 173–176
 - language development, 164–166
 - literacy skills, 204–206, 286–287
 - nonverbal communication, 179
 - pragmatic language use, 176–177
 - syntactic growth, 166–170
 - vocabulary growth, 172–173
- Latino and Hispanic children, 132, 157–158, 216–217
- Latin roots, 172
- Leap-frog narratives, 213, 218–219
- Learning disabilities, 101, 111, 220–221
- Least restrictive environment (LRE), 70
- Left brain, 107–108
- Lexical acquisition, 146
- Linguistic meaning, 145–146
- Linguistic stereotyping, 229–230
- Lip reading, 71
- Liquids, 85, 89
- Listening environment, 72–73
- Listening skills
 - classroom strategies, 12
 - good language models, 279–280
 - play behaviors, 192
 - receptive language, 4–6
- Listening strategies, 179
- Literacy skills, 185–208
 - adolescence, 204–206, 286–287
 - basic components, 190
 - case studies, 185, 206
 - classroom environment, 188–189
 - classroom strategies, 188–193, 199–204, 205
 - elementary school years, 193–204
 - emergent literacy, 186
 - family involvement, 278–280
 - foundations, 7–8
 - hearing loss/hearing impairment effects, 66
 - home-based strategies, 284–286
 - parent training models, 282–284
 - preschool-age children, 186–193
 - teacher–parent interactions, 280–282
 - teacher's role, 278
 - thematic studies, 189, 191
- Long-term memory, 109
- Lungs, 82
- Magical responses, 174–175
- Mainstream American English (MAE), 132, 156–157, 228, 231
 - see also* African American English

- Manually Coded English (MCE), 71
 Meaning (language content), 92–93
 Mechanisms of speech, 81–84
 Media utilization strategies, 256
 Memory, 4–6, 48–49, 109
 Meningitis, 63
 Metacognition, 104
 Metalinguistic awareness, 152, 186
 Metaphors/metaphoric responses, 174–175
 Metasemantic hypothesis, 175
 Metonymic responses, 174–175
 Mismatch hypothesis, 233–234
 Mixed hearing loss, 64
 Mixed Model, 283
 Modal auxiliaries, 47
 Modeling strategies, 22, 23
 Monolingualism–bilingualism comparisons, 266–269
 Morphemes, 44–45, 124–125, 144–145, 170–172
 Morphology/morphological knowledge
 characteristics, 44–45
 definition, 38
 elementary school years, 197–198
 Morphosyntactic development, 124–125, 144–145, 230
 Motor cortex, 108
 Mycin drugs, 63
 Myelinated axons, 106, 107
- Narrative discourse**
 Asperger Syndrome, 221–222
 attention-deficit hyperactivity disorder (ADHD), 219–220
 case studies, 209, 223–224
 characteristics, 209–211
 classroom strategies, 222–223
 cultural variations, 214–218
 impaired narrative discourse, 218–219
 importance, 211–212
 learning disabilities, 220–221
 pragmatic theory, 26
 preschool-age children, 150–151
 structure, 212–214
 theory of mind, 32
 Narratives, 130–131, 150–151, 234–238
 Narrative style variation, 238
 Nasal cavity, 87, 90
 Nasal sounds, 85, 87, 143
 Native language supports, 254, 282
 Neuromuscular motor activities, 93–94
 Neurons, 103, 105–106, 107
 New language rules, 2
 New vocabulary, 172–173
 Noise-induced hearing loss (NIHL), 63, 64
 Nonverbal communication, 179
 Normative articulation development, 143
- Object permanence, 22
 Occipital lobe, 108, 110
 Onset-rime, 42
 Open-access student study site, xxiv–xxv
 Oral cavity, 87
 Oral language, 278–279
 Oral narratives, 234–238
 Organization, 120
 Orthography, 39, 80–81, 171, 197–198
 Otitis media (OM), 63, 68
 Ototoxic drugs, 63
 Overextensions, 17, 127
 Overgeneralization, 46, 127
- Parallel distributed processing, 25
 Parental involvement, 277, 287–288
 Parent-as-Teacher Model, 283
 Parent-as-Trainer Model, 283–284
 Parent education, 67
 Parent training, 282–284
 Parietal lobe, 108, 109
 Password-protected instructor teaching site, xxiv
 Perception/perceive, 42–43, 46, 75, 104, 117–118
 Performative narratives, 237
 Performatives, 118
 Perseveration, 221
 Personal narrative prompt, 210
 Personal narratives, 150, 209–214, 221–224
 Pharynx, 84
 Phonation, 82
 Phoneme awareness, 41
 Phonemes, 38, 40–42, 80
 Phonemic awareness, 153
 Phonetically consistent forms, 118
 Phonological awareness
 classroom strategies, 192, 199–200
 definition, 39, 41
 developmental process, 42–43
 elementary school years, 193–196, 199–200
 literacy skills, 186, 192, 199–200
 preschool-age children, 152–153, 186–188, 192

- Phonology
 basic skills, 9
 definition and characteristics, 38
 infants and toddlers, 123–124
 orthography, 39
 phonological development, 123–124,
 142–143
 phonological processes, 43–44, 79, 124, 143
 phonological processing, 42–43, 66
 preschool-age children, 142–143, 152–153,
 186–188, 192
 syllables, 42
 word meaning, 42
- Phrase structure rules, 27
- Piaget, J., 18, 21–22, 120
- Place of articulation, 90
- Play skills, 25, 121–122, 142, 192, 279
- Power source, 82
- Pragmatics/pragmatic theory
 basic concepts, 18, 22–25
 characteristics, 47
 definition, 38
 expressive language, 6–7
 hearing loss/hearing impairment effects,
 65–66
 infants and toddlers, 128–131
 intentional communication, 128–129
 language use, 176–177
 learning strategies, 26
 narratives, 130–131
 preschool-age children, 148–151
 speech acts, 130
- Prefrontal cortex, 109
- Prefrontal lobe, 109
- Prelinguistic hearing loss, 66
- Preliteracy, 142
- Preproduction second-language learning
 stage, 248
- Preschool language development, 139–160
 at-risk children, 153–154
 book reading strategies, 154
 classroom strategies, 154–156, 188–193
 cognitive development, 142
 emergent literacy, 151–156
 language development, 139–146
 language differences, 156–158
 literacy development, 186–193
 morphosyntactic development, 144–145
 phonological development, 142–143
 pragmatic development, 148–151
 semantic development, 145–148
- Preverbal communication, 24
- Prewriting strategies, 193
- Primary auditory cortex, 110
- Primary language, 246–247
- Primary language development, 162
- Primary visual cortex, 110
- Primitive responses, 174–175
- Primitive speech, 24
- Print awareness, 152, 187
- Private speech, 21
- Problem-solving strategies
 critical thinking skills, 11
 executive cognitive functions, 11
 expressive language, 6–7
 reading skills, 8
 receptive language, 6
 social communication, 10
- Proficiency, 247, 265
- Proficiency tests, 258–259
- Propositions, complex, 167
- Prospective mental development, 20
- Proverbs, 174, 175–176
- Prune/pruning, 103
- Quantitative measures, 169–170
- Quasiresonant nuclei, 118
- Reading comprehension
 adolescence, 205
 classroom strategies, 201–202
 elementary school years, 194–195, 196,
 201–202
 hearing loss/hearing impairment effects, 66
 infants and toddlers, 280
 preschool-age children, 187
- Reading fluency
 classroom strategies, 200–201
 elementary school years, 194–195, 198,
 200–201
 preschool-age children, 187
- Reading skills
 African American English, 233–234
 classroom strategies, 12, 180
 foundations, 7–8
 problem-solving strategies, 8
 vocabulary growth and
 development, 173

- Recasting strategies, 22, 23
- Receptive language, 4–6, 53–54, 127
- Reduplicated babbling, 118
- Referents, 217
- Reflexive sounds, 118
- Related causal events, 211
- Relational meanings, 146
- Relative pronouns, 145
- Resonance, 86
- Response to Intervention (RTI) approach, 251–253
- Retrospective mental development, 20
- Reverberation, 72
- Rhythm, 29
- Rib cage, 82
- Right brain, 107–108
- Scaffolding strategies, 22, 25, 258, 278
- Schema/schemata, 21–22, 31–32, 120, 287
- Scripts, 142
- Secondary language development, 162
- Second grade language development, 163–164
- Second-language learning
 - bilingual programs, 249–250
 - case studies, 245, 259–260, 263, 273–274
 - classroom environment, 258
 - classroom strategies, 253–255
 - content material, 255–257
 - development assessments, 251
 - learning stages, 247–248
 - proficiency tests, 258–259
 - sound discrimination, 50
 - speech sound development, 263–276
 - teacher–parent interactions, 282
- Self-regulation, 104, 166
- Semantics
 - definition, 38
 - expressive language, 6–7
 - infants and toddlers, 125–128
 - preschool-age children, 145–148
 - semantic contingency, 155
 - semantic development, 125–128, 145–148
 - semantic relations, 46, 128, 146, 147
 - semantic roles, 127–128
 - semantic transparency, 175
 - word production, 45–47, 125–128
- Sensorineural hearing loss (SNHL), 63–64
- Sensory information, 102
- Sentence length, 169–170
- Sentence production, 19, 27, 65
- Sentence structure, 23, 45, 167–169
- Sequencing syllables, 135–136
- Sequential bilingual learners, 247
- Sheltered Instruction Observation Protocol (SIOP), 249–250
- Silent/receptive second-language learning stage, 248
- Similes, 174
- Simple sentences, 167–168
- Simultaneous bilingual learners, 247
- Social cognition, 31
- Social competence, 166, 177
- Social interaction
 - case studies, 37, 54–55, 79, 96–97
 - classroom strategies, 54–55
 - communication skills, 10
 - gender differences, 131
 - preschool-age children, 140
 - social competence, 177
 - speech production, 79, 96–97
 - theory of mind, 32
 - Vygotsky's theory, 20–21
- Socially marked dialect, 239
- Socioeconomic status, 131, 147–148
- Soft palate, 85, 87
- Speaking strategies, 180
- Special educators, 251
- Specifically Designed Academic Instruction in English (SDAIE), 249–250
- Speech
 - basic concepts, 3–4, 9
 - hearing loss/hearing impairment effects, 65–67
 - pragmatic theory, 26
 - speech disorders, 52–54, 65–67, 94, 269–271
 - speech perception, 117
- Speech acts, 130
- Speech emergence second-language learning stage, 248
- Speech-language pathologists (SLPs), 251
- Speech production
 - case studies, 79, 96–97, 139, 158
 - classroom strategies, 180
 - hearing impaired students, 66
 - infants, 118–119
 - International Phonetic Alphabet, 80–81
 - language content, 92–93
 - neuromuscular motor activities, 93–94

- sound production, 84–92
 - speech mechanisms, 81–84
- Speech reading, 71
- Speech sound development, 263–276
 - acceleration hypothesis, 267–268
 - case studies, 263, 273–274
 - classroom strategies, 272–273
 - deceleration hypothesis, 267
 - delayed speech sound development, 270–271
 - developmental milestones, 268
 - error patterns, 271
 - monolingualism–bilingualism comparisons, 266–269
 - speech sound disorders, 265
 - two speech sound systems, 265–266
- Spelling accuracy
 - case studies, 185, 206
 - derivational morphemes, 171–172
 - elementary school years, 194–198
 - preschool-age children, 187
- Spinal column, 107, 108
- Static articulators, 84, 85
- Stimulation strategies, 105
- Stop-plosives, 89
- Stop sounds, 89–91
- Stress (emphasis), 92–93
- Student experience incorporation
 - approach, 257
- Study skills, 254
- Stuttering, 94
- Subglottal pressure, 82
- Submersion programs, 249
- Subordinate clauses, 145
- Subordinate dependent clauses, 167
- Subordinating conjunctions, 168–169
- Subordination, 169
- Surface structure, 27
- Syllables, 42, 135–136
- Symbolic functions, 122
- Synapses, 103, 107
- Syntax
 - characteristics, 45
 - complex syntax, 166–172
 - definition, 38
 - developmental stages, 124
 - expressive language, 6–7
 - hearing loss/hearing impairment effects, 65
 - quantitative measures, 169–170
- Targeted supplemental services, 252
- Teacher content delivery style, 257
- Teacher–family partnerships, 277–290
- Temporal lobe, 108, 110
- Thematic play, 142
- Thematic studies, 189, 191, 256
- Theory of mind concept, 19, 30–33
- Third grade language development, 164
- Thorax, 82
- Thought processing, 48
- Toddler development
 - see* Infants and toddlers
- Topic-associating/topic-centered narratives, 215–216, 235–237
- Total physical response (TPR) method, 254
- Trachea, 82
- Training, 72
- Transformational rules, 27
- Transformations, 171
- Two speech sound systems, 265–266
- Two-way immersion programs, 249
- Typical language development, 37–58, 212
- Uncommon error patterns, 271
- Unconscious acquisition, 239–240
- Unvoiced “noise” sounds, 85, 89–92
- Upper airway cavities, 83, 84
- Use, 38, 47
- Variegated babbling, 118
- Velopharyngeal closure, 90
- Velopharyngeal valve, 88, 90
- Velum, 85, 87
- Ventilatory system, 81–82
- Verbal reasoning, 48
- Verbal rehearsal, 254
- Visual cues, 73
- Vocables, 118
- Vocabulary
 - classroom strategies, 189, 191, 201
 - elementary school years, 194–195, 196, 201
 - expressive language, 6–7
 - hearing loss/hearing impairment effects, 65
 - infants and toddlers, 132
 - preschool-age children, 140–142, 187, 189, 191
 - reading skills, 173
 - vocabulary-building strategies, 257
 - vocabulary development, 125–128
 - vocabulary differences, 147–148
 - vocabulary growth, 146, 172–173
- Vocal folds/vocal cords, 82–83
- Vocal fold vibration, 84–85, 92–93

- Vocalizations, 140
- Vocal tract, 82, 83, 84, 89–92
- Voice
 - sound production, 92–93
 - speech and language disorders, 52
- Voice box, 82–84
- Voiced “periodic” sounds, 85
- Voiced stops, 91
- Voiceless stops, 91
- Vowel quadrilateral, 86
- Vowels, 86–87
- Vygotsky, L. S., 18, 20–21

- Web-based literacy activities, 285–286
- Wernicke’s area, 108, 110
- White matter, 105

- Windpipe, 82
- Word knowledge, 45–47
- Word meaning, 42
- Word stress, 92–93
- Working memory, 48–49, 109
- Writing skills
 - adolescence, 206
 - African American English, 233–234
 - classroom strategies, 180–181, 193, 202–204, 206
 - elementary school years, 194–195, 198–199, 202–204
 - foundations, 9
 - preschool-age children, 187, 193

- Zone of proximal development (ZPD), 20–21, 258