

Contents

Preface page xv

- 1 The origins of language** 1
 - The divine source 2
 - The natural sound source 2
 - The social interaction source 3
 - The physical adaptation source 4
 - Teeth, lips, mouth, larynx and pharynx* 4
 - The tool-making source 5
 - The genetic source 6
 - Study questions 7
 - Tasks 7
 - Discussion topics/projects 8
 - Further reading 8
- 2 Animals and human language** 10
 - Communication 11
 - Properties of human language 11
 - Displacement* 11
 - Arbitrariness* 12
 - Productivity* 13
 - Cultural transmission* 14
 - Duality* 15
 - Talking to animals 15
 - Chimpanzees and language 16
 - Washoe* 16
 - Sarah and Lana* 17
 - The controversy* 18
 - Kanzi* 19
 - Using language 19
 - Study questions 21

Tasks	21
Discussion topics/projects	22
Further reading	23
3 The sounds of language	25
Phonetics	26
Voiced and voiceless sounds	26
Place of articulation	27
<i>Bilabials</i>	28
<i>Labiodentals</i>	28
<i>Dentals</i>	28
<i>Alveolars</i>	28
<i>Palatals</i>	29
<i>Velars</i>	29
<i>Glottals</i>	30
Charting consonant sounds	30
<i>Limitations of the chart</i>	30
Manner of articulation	31
<i>Stops</i>	31
<i>Fricatives</i>	31
<i>Affricates</i>	32
<i>Nasals</i>	32
<i>Liquids</i>	32
<i>Glides</i>	32
<i>Glottal stops and flaps</i>	33
Vowels	33
<i>Diphthongs</i>	34
<i>Subtle individual variation</i>	35
Study questions	37
Tasks	38
Discussion topics/projects	38
Further reading	39
4 The sound patterns of language	41
Phonology	42
Phonemes	42
Phones and allophones	43
Minimal pairs and sets	44
Phonotactics	45
Syllables	45
<i>Consonant clusters</i>	46

Coarticulation effects	46
<i>Assimilation</i>	47
<i>Elision</i>	47
<i>Normal speech</i>	48
Study questions	49
Tasks	49
Discussion topics/projects	50
Further reading	50
5 Word formation	52
Etymology	53
Coinage	53
Borrowing	54
Compounding	55
Blending	55
Clipping	56
Backformation	56
Conversion	57
Acronyms	58
Derivation	58
<i>Prefixes and suffixes</i>	59
<i>Infixes</i>	59
<i>Kamhmu</i>	59
Multiple processes	60
Study questions	61
Tasks	61
Discussion topics/projects	63
Further reading	64
6 Morphology	66
Morphology	67
Morphemes	67
<i>Free and bound morphemes</i>	68
<i>Lexical and functional morphemes</i>	68
<i>Derivational and inflectional morphemes</i>	69
Morphological description	70
<i>Problems in morphological description</i>	71
Morphs and allomorphs	71
Other languages	72
<i>Kanuri</i>	72
<i>Ganda</i>	73

	<i>Ilocano</i>	73
	<i>Tagalog</i>	74
	Study questions	75
	Tasks	75
	Discussion topics/projects	77
	Further reading	78
7	Grammar	80
	Grammar	81
	Traditional grammar	81
	<i>The parts of speech</i>	82
	<i>Agreement</i>	83
	<i>Grammatical gender</i>	84
	Traditional analysis	84
	The prescriptive approach	85
	<i>Captain Kirk's infinitive</i>	86
	The descriptive approach	86
	<i>Structural analysis</i>	87
	<i>Constituent analysis</i>	88
	<i>Labeled and bracketed sentences</i>	89
	<i>A Gaelic sentence</i>	90
	Study questions	92
	Tasks	92
	Discussion topics/projects	94
	Further reading	95
8	Syntax	96
	Syntax	97
	<i>Deep and surface structure</i>	97
	<i>Structural ambiguity</i>	98
	<i>Recursion</i>	98
	Tree diagrams	99
	Symbols used in syntactic analysis	100
	Phrase structure rules	102
	Lexical rules	102
	Movement rules	103
	Back to recursion	105
	<i>Complement phrases</i>	105
	Study questions	107
	Tasks	108

- Discussion topics/projects 109
- Further reading 110
- 9 Semantics 112**
 - Meaning 113
 - Semantic features 113
 - Semantic roles 115
 - Agent and theme* 115
 - Instrument and experiencer* 116
 - Location, source and goal* 116
 - Lexical relations 116
 - Synonymy* 117
 - Antonymy* 117
 - Hyponymy* 118
 - Prototypes* 119
 - Homophones and homonyms* 120
 - Polysemy* 120
 - Word play* 121
 - Metonymy* 121
 - Collocation 121
 - Study questions 123
 - Tasks 123
 - Discussion topics/projects 124
 - Further reading 125
- 10 Pragmatics 127**
 - Pragmatics 128
 - Context 129
 - Deixis* 130
 - Reference 131
 - Inference* 131
 - Anaphora* 132
 - Presupposition* 133
 - Speech acts 133
 - Direct and indirect speech acts* 134
 - Politeness 135
 - Negative and positive face* 135
 - Study questions 137
 - Tasks 137
 - Discussion topics/projects 139
 - Further reading 140

- 11 Discourse analysis 141**
Discourse analysis 142
Interpreting discourse 142
 Cohesion 143
 Coherence 144
 Speech events 145
Conversation analysis 145
 Turn-taking 146
The co-operative principle 147
 Hedges 148
 Implicatures 148
Background knowledge 149
 Schemas and scripts 150
Study questions 152
Tasks 152
Discussion topics/projects 154
Further reading 155
- 12 Language and the brain 156**
Neurolinguistics 157
Language areas in the brain 157
 Broca's area 158
 Wernicke's area 159
 The motor cortex and the arcuate fasciculus 159
 The localization view 159
Tongue tips and slips 160
 The tip of the tongue phenomenon 160
 Slips of the tongue 161
 Slips of the ear 161
Aphasia 162
 Broca's aphasia 162
 Wernicke's aphasia 163
 Conduction aphasia 163
Dichotic listening 164
The critical period 165
 Genie 166
Study questions 167
Tasks 167
Discussion topics/projects 168
Further reading 169

- 13 First language acquisition 170**
- Acquisition 171
 - Input* 171
 - The acquisition schedule 172
 - Cooing and babbling* 173
 - The one-word stage* 174
 - The two-word stage* 174
 - Telegraphic speech* 175
 - The acquisition process 175
 - Developing morphology 176
 - Developing syntax 177
 - Forming questions* 178
 - Forming negatives* 179
 - Developing semantics 179
 - Study questions 182
 - Tasks 182
 - Discussion topics/projects 183
 - Further reading 184
- 14 Second language acquisition/learning 186**
- Second language learning 187
 - Acquisition and learning* 187
 - Acquisition barriers* 187
 - Affective factors* 188
 - Focus on method 189
 - The grammar–translation method* 189
 - The audiolingual method* 190
 - Communicative approaches* 190
 - Focus on the learner 190
 - Transfer* 191
 - Interlanguage* 191
 - Motivation* 192
 - Input and output* 192
 - Communicative competence 194
 - Applied linguistics 194
 - Study questions 195
 - Tasks 195
 - Discussion topics/projects 196
 - Further reading 197

- 15 Gestures and sign languages 198**
- Gestures 199
 - Types of gestures* 199
 - Types of sign languages 200
 - Oralism 200
 - Signed English 201
 - Origins of ASL 202
 - The structure of signs 202
 - Shape and orientation* 203
 - Location and movement* 203
 - Primes, faces and finger-spelling* 204
 - The meaning of signs 204
 - Representing signs 206
 - ASL as a natural language 207
 - Study questions 208
 - Tasks 208
 - Discussion topics/projects 209
 - Further reading 209
- 16 Writing 211**
- Writing 212
 - Pictograms and ideograms 213
 - Logograms 214
 - Rebus writing* 215
 - Syllabic writing 215
 - Alphabetic writing 216
 - Written English 217
 - English orthography* 218
 - Study questions 220
 - Tasks 220
 - Discussion topics/projects 222
 - Further reading 223
- 17 Language history and change 224**
- Family trees 225
 - Family connections* 226
 - Cognates* 226
 - Comparative reconstruction 227
 - Sound reconstruction* 227
 - Word reconstruction* 228

- The history of English 228
 - Old English* 229
 - Middle English* 229
 - Sound changes* 231
 - Syntactic changes* 232
 - Semantic changes* 233
- Diachronic and synchronic variation 233
- Study questions 235
- Tasks 235
- Discussion topics/projects 236
- Further reading 237
- 18 Language and regional variation 239**
 - The standard language 240
 - Accent and dialect 240
 - Dialectology 241
 - Regional dialects* 241
 - Isoglosses and dialect boundaries* 242
 - The dialect continuum* 244
 - Bilingualism and diglossia 244
 - Language planning 246
 - Pidgins and creoles 247
 - The post-creole continuum* 248
 - Study questions 250
 - Tasks 250
 - Discussion topics/projects 251
 - Further reading 251
- 19 Language and social variation 253**
 - Sociolinguistics 254
 - Social dialects* 254
 - Education and occupation* 255
 - Social markers* 256
 - Speech style and style-shifting 257
 - Prestige* 257
 - Speech accommodation* 258
 - Register and jargon* 259
 - Slang* 259
 - African American English 260
 - Vernacular language* 261
 - The sounds of a vernacular* 261

	<i>The grammar of a vernacular</i>	261
	Study questions	263
	Tasks	263
	Discussion topics/projects	264
	Further reading	264
20	Language and culture	266
	Culture	267
	Categories	267
	<i>Kinship terms</i>	268
	<i>Time concepts</i>	268
	Linguistic relativity	269
	<i>The Sapir-Whorf hypothesis</i>	269
	<i>Snow</i>	270
	Cognitive categories	271
	<i>Classifiers</i>	272
	Social categories	272
	<i>Address terms</i>	273
	Gender	274
	<i>Gendered words</i>	274
	<i>Gendered speech</i>	275
	<i>Gendered interaction</i>	276
	Study questions	278
	Tasks	278
	Discussion topics/projects	279
	Further reading	280
	<i>Glossary</i>	282
	<i>References</i>	297
	<i>Index</i>	307