## **Contents**

Preface	page xi	3 The Sounds of Language	28
1 The Origins of Language	1	Phonetics	29
The Divine Source	2	Consonants	29
The Natural Sound Source	2	Voiced and Voiceless Sounds	29
The "Bow-Wow" Theory	3	Place of Articulation	30
The "Pooh-Pooh" Theory	3	Familiar Symbols	31
The Musical Source		Unfamiliar Symbols	31
The Social Interaction Source	4 5	Transcribing Sounds (Not Letters)	32
The Physical Adaptation Source	5	Manner of Articulation	33
Teeth and Lips		A Consonant Chart	34
•	6	Glottal Stops and Flaps	34
Mouth and Tongue	6	Vowels	35
Larynx and Pharynx The Tael Making Source	6	Diphthongs	36
The Tool-Making Source	7	American and British Diphthongs	37
The Human Brain	7	Subtle Individual Variation	37
The Genetic Source	8	Study Questions	38
The Innateness Hypothesis	8	Tasks	39
Study Questions	9	Discussion Topics/Projects	41
Tasks	9	Further Reading	42
Discussion Topics/Projects	10		
Further Reading	11	4 The Sound Patterns of Language	44
2 Animals and Human Language	13	Phonology	45
Communication	14	Phonemes	46
<b>Properties of Human Language</b>	14	Natural Classes	46
Displacement	15	Phones and Allophones	47
Arbitrariness	15	<b>Complementary Distribution</b>	48
<b>Cultural Transmission</b>	16	Minimal Pairs and Sets	48
Productivity	17	Phonotactics	48
Duality	18	Syllables	49
<b>Talking to Animals</b>	18	Consonant Clusters	49
<b>Chimpanzees and Language</b>	19	Coarticulation Effects	50
Washoe	19	Assimilation	50
Sarah and Lana	20	Nasalization	50
The Controversy	21	Elision	51
Kanzi	22	Normal Speech	51
Using Language	22	Study Questions	52
Study Questions	23	Tasks	52
Tasks	23	Discussion Topics/Projects	55
Discussion Topics/Projects	24	Bob Belviso Translated	56
<b>Further Reading</b>	26	Further Reading	56

5 Word Formation	58	The Parts of Speech	94
Neologisms	59	Agreement	95
Etymology	59	Grammatical Gender	96
Borrowing	60	Traditional Analysis	96
Loan-Translation	60	The Prescriptive Approach	97
	61	Captain Kirk's Infinitive	97
Compounding	61	The Descriptive Approach	98
Blending		Structural Analysis	98
Clipping	62	Constituent Analysis	99
Hypocorisms	62	Subjects and Objects	100
Backformation	62	Word Order	101
Conversion	63	Language Typology	101
Coinage	64	Why Study Grammar?	102
Acronyms	64	Study Questions	103
Derivation	65	Tasks	103
Prefixes and Suffixes	65	Discussion Topics/Projects	109
Infixes	65	Further Reading	110
Multiple Processes	66		
Study Questions	67	8 Syntax	112
Tasks	68	Syntactic Rules	113
Discussion Topics/Projects	72	A Generative Grammar	113
Further Reading	73	Deep and Surface Structure	
6 Morphology	75	Structural Ambiguity	114
			114
Morphology	76	Syntactic Analysis	115
Morphemes	76	Phrase Structure Rules	116
Free and Bound Morphemes	77	Lexical Rules	116
<b>Lexical and Functional Morphemes</b>	77	Tree Diagrams	117
<b>Derivational Morphemes</b>	78	Tree Diagrams of English Sentences	118
Inflectional Morphemes	78	Just Scratching the Surface	119
Morphological Description	79	Study Questions	120
Morphs, Allomorphs and Special Cases	80	Tasks	121
Other Languages	81	Discussion Topics/Projects	126
Kanuri	81	Further Reading	128
Ganda	81	0.0	
llocano	82	9 Semantics	129
Tagalog	82	Meaning	130
Study Questions	83	Semantic Features	131
Tasks	84	Componential Analysis	131
Discussion Topics/Projects	89	Words as Containers of Meaning	132
Further Reading	91	Semantic Roles	132
	-	Agent and Theme	132
7 Grammar	92	Instrument and Experiencer	133
English Grammar	93	Location, Source and Goal	133
Traditional Grammar	93	Lexical Relations	134
rraditiviidi Gidilillal	1.)	EUNIUGI NUIGHUIIS	104

Synonymy	134	Hedges	175
Antonymy	135	Implicatures	175
Hyponymy	135	Background Knowledge	176
Prototypes	137	Schemas and Scripts	177
Homophones and Homonyms	137	Study Questions	178
Polysemy	138	Tasks	178
Word Play	138	Discussion Topics/Projects	181
Metonymy	139	Further Reading	182
Collocation	139		
Concordance	140	12 Language and the Brain	184
Study Questions	141	Neurolinguistics	185
Tasks	142	Language Areas in the Brain	185
Discussion Topics/Projects	146	Broca's Area	186
Further Reading	147	Wernicke's Area	186
Furthern Joseph		The Motor Cortex and the Arcuate	100
10 Pragmatics	149	Fasciculus	187
Invisible Meaning	150	The Localization View	187
Context	151	Tongue Tips and Slips	188
Deixis	152	The Tip of the Tongue Phenomenon	188
Reference	153	Slips of the Tongue	188
Inference	153	Slips of the Brain	189
Anaphora	154	Slips of the Ear	189
Presupposition	155	Aphasia	190
Pragmatic Markers	155	Broca's Aphasia	190
Politeness	156	Wernicke's Aphasia	191
Negative and Positive Face	156	Conduction Aphasia	191
Speech Acts	157	Dichotic Listening	192
Direct and Indirect Speech Acts	157	Left Brain, Right Brain	193
Study Questions	158	The Critical Period	193
Tasks	159	Genie	194
Discussion Topics/Projects	163	Study Questions	195
Further Reading	165	Tasks	195
		Discussion Topics/Projects	197
11 Discourse Analysis	167	Further Reading	198
Discourse	168	13 First Language Acquisition	201
Interpreting Discourse	168	To Thist Language Adquisition	201
Cohesion	169	Acquisition	202
Coherence	170	Input	202
Conversation Analysis	171	Caregiver Speech	203
Turn-Taking	171	The Acquisition Schedule	203
Pauses and Filled Pauses	172	Cooing	204
Adjacency Pairs	172	Babbling	204
Insertion Sequences	173	The One-Word Stage	205
The Co-operative Principle	174	The Two-Word Stage	205

Telegraphic Speech	206	Oralism	237
The Acquisition Process	206	Signed English	237
Learning through Imitation?	207	Origins of ASL	238
Learning through Correction?	207	The Structure of Signs	238
Developing Morphology	208	Shape and Orientation	239
Developing Syntax	209	Location	239
Forming Questions	209	Movement	239
Forming Negatives	210	Primes	239
<b>Developing Semantics</b>	211	<b>Facial Expressions and Finger-Spelling</b>	240
Later Developments	212	Representing Signs	240
Study Questions	213	The Meaning of Signs	241
Tasks	213	Sign Languages as Natural Languages	242
Discussion Topics/Projects	216	Study Questions	243
Further Reading	217	Tasks	243
		Discussion Topics/Projects	244
14 Second Language Acquisition/		Further Reading	245
Learning	219		
Second Language Learning	220	16 Written Language	247
Acquisition and Learning	220	Writing	248
Acquisition Barriers	221	Pictograms	248
The Age Factor	221	Ideograms	249
Affective Factors	222	Logograms	250
Focus on Teaching Method	222	Phonographic Writing	251
The Grammar—Translation Method	223	The Rebus Principle	251
The Audiolingual Method	223	Syllabic Writing	252
Communicative Approaches	223	Alphabetic Writing	253
Focus on the Learner	224	Written English	254
Transfer	224	English Orthography	255
Interlanguage	225	Study Questions	256
Motivation	225	Tasks	256
Input and Output	226	Discussion Topics/Projects	258
Task-Based Learning	227	Further Reading	260
Communicative Competence	227	Turnor Rodding	200
Study Questions	228	17 January Water and Observe	
Tasks	228	17 Language History and Change	262
Discussion Topics/Projects	231	Family Trees	263
Further Reading	232	Indo-European	264
45 0		Cognates	264
15 Gestures and Sign Languages	234	Comparative Reconstruction	265
Gestures	235	Comparing Cognates	265
Iconics	235	Sound Reconstruction	266
Deictics	235	Word Reconstruction	266
Beats	236	The History of English	267
Types of Sign Languages	236	Old English	267

Middle English	268	Speech Accommodation	300
Sound Changes	269	Convergence	300
Metathesis	269	Divergence	301
Epenthesis	270	Register	301
Prothesis	270	Jargon	301
Syntactic Changes	270	Slang	302
Loss of Inflections	271	Taboo Terms	302
Semantic Changes	271	African American English	303
Broadening of Meaning	272	Vernacular Language	303
Narrowing of Meaning	272	The Sounds of a Vernacular	304
Diachronic and Synchronic Variation	272	The Grammar of a Vernacular	304
Study Questions	273	Study Questions	306
Tasks	273	Tasks	306
Discussion Topics/Projects	276	Discussion Topics/Projects	309
Further Reading	277	Further Reading	309
18 Regional Variation in Language	279	20 Language and Culture	311
The Standard Language	280	Culture	312
Accent and Dialect	280	Categories	312
Variation in Grammar	281	Kinship Terms	313
Dialectology	281	Time Concepts	313
Regional Dialects	282	Linguistic Relativity	314
Isoglosses	282	The Sapir–Whorf Hypothesis	314
Dialect Boundaries	283	Against the Sapir-Whorf Hypothesis	315
The Dialect Continuum	284	Snow	315
Bilingualism	284	Non-lexicalized Categories	316
Diglossia	285	Cognitive Categories	316
Language Planning	286	Classifiers	317
Pidgins	287	Social Categories	317
Creoles	288	Address Terms	318
The Post-Creole Continuum	288	Gender	319
Study Questions	289	Gendered Words	319
Tasks	289	Gendered Structures	320
<b>Discussion Topics/Projects</b>	292	Gendered Speech	320
Further Reading	292	Same-Gender Talk	321
read		Gendered Interaction	321
10 Cocial Variation in Language	205	Study Questions	322
19 Social Variation in Language	295	Tasks	322
Sociolinguistics	296	Discussion Topics/Projects	326
Social Dialects	296	Further Reading	327
Education and Occupation	297	3	
Social Markers	298	Glossary	330
Speech Style and Style-Shifting	299	References	345
Prestige	300	Index	362