## Table of Contents

**Preface**  
*page xi*

**Acknowledgments**  
*xiii*

1. **The Origins of Language**  
*1*

   - **The Divine Source**  
   - **The Natural Sound Source**  
     - The "Bow-Wow" Theory  
     - The "Pooh-Pooh" Theory  
   - **The Musical Source**  
   - **The Social Interaction Source**  
   - **The Physical Adaptation Source**  
     - Teeth and Lips  
     - Mouth and Tongue  
     - Larynx and Pharynx  
   - **The Tool-Making Source**  
   - **The Human Brain**  
   - **The Gesture Source**  
   - **The Genetic Source**  
     - The Innateness Hypothesis  
   - Study Questions  
   - Tasks  
   - Discussion Topics/Projects  
   - Further Reading  

2. **Animals and Human Language**  
*15*

   - **Communication**  
   - **Properties of Human Language**  
     - Displacement  
     - Arbitrariness  
     - Cultural Transmission  
     - Productivity  
     - Duality  
   - **Talking to Animals**  
   - **Chimpanzees and Language**  
     - Washoe  
     - Sarah and Lana  
     - The Controversy  
     - Kanzi  
   - **Using Language**  
   - Study Questions  
   - Tasks  

3. **The Sounds of Language**  
*30*

   - **Phonetics**  
     - Consonants  
     - Voiced and Voiceless Sounds  
     - Place of Articulation  
     - Familiar Symbols  
     - Unfamiliar Symbols  
     - Transcribing Sounds (Not Letters)  
   - **Manner of Articulation**  
     - Glottal Stops and Flaps  
     - Vowels  
     - Diphthongs  
     - American and British Diphthongs  
   - **Subtle Individual Variation**  
   - Study Questions  
   - Tasks  
   - Discussion Topics/Projects  
   - Further Reading  

4. **The Sound Patterns of Language**  
*47*

   - **Phonology**  
     - Natural Classes  
     - Minimal Pairs and Sets  
   - **Phonemes**  
     - Complementary Distribution  
   - **Phonotactics**  
     - Assimilation  
     - Elision  
     - Normal Speech  
   - Study Questions  
   - Tasks  
   - Discussion Topics/Projects
Location, Source and Goal
Lexical Relations
  Synonymy
  Antonymy
  Hyponymy
  Prototypes
  Homophones and Homonyms
  Polysemy
  Word Play
  Metonymy
Collocation
  Concordance
Study Questions
  Tasks
Discussion Topics/Projects
Further Reading

10 Pragmatics
Invisible Meaning
  Context
    Deixis
  Reference
    Inference
    Anaphora
Presupposition
  Pragmatic Markers
The Co-operative Principle
  Hedges
  Implicatures
Politeness
  Negative and Positive Face
Speech Acts
  Direct and Indirect Speech Acts
Study Questions
  Tasks
Discussion Topics/Projects
Further Reading

11 Discourse Analysis
Discourse
  Interpreting Discourse
Cohesion
  Coherence
Conversation Analysis
  Turn-Taking
Pauses and Filled Pauses
  Adjacency Pairs
  Insertion Sequences
Conversational Repair
  Background Knowledge
    Schemas and Scripts
Study Questions
  Tasks
Discussion Topics/Projects
Further Reading

12 Language and the Brain
Neurolinguistics
  Language Areas in the Brain
    Broca’s Area
    Wernicke’s Area
  The Motor Cortex and the Arcuate Fasciculus
  The Localization View
Tongue Tips and Slips
  The Tip of the Tongue Phenomenon
  Slips of the Tongue
  Slips of the Brain
  Slips of the Ear
Aphasia
  Broca’s Aphasia
  Wernicke’s Aphasia
  Conduction Aphasia
  Dichotic Listening
  Left Brain, Right Brain
The Critical Period
  Genie
Study Questions
  Tasks
Discussion Topics/Projects
Further Reading

13 First Language Acquisition
Acquisition
  Input
  Caregiver Speech
The Acquisition Schedule
  Cooing
  Babbling
  The One-Word Stage
The Two-Word Stage 212
Telegraphic Speech 213
The Acquisition Process 213
Learning through Imitation? 214
Learning through Correction? 214
Developing Phonology 215
Developing Morphology 216
Developing Syntax 217
Forming Questions 217
Forming Negatives 218
Developing Semantics 219
Later Developments 220
Study Questions 221
Tasks 221
Discussion Topics/Projects 225
Further Reading 225

14 Second Language Acquisition 228
Second Language Acquisition 229
Becoming Bilingual 229
Acquisition Barriers 230
The Age Factor 230
Affective Factors 231
Motivation 231
Focus on Teaching Method 232
The Grammar–Translation Method 232
The Audiolingual Method 232
Communicative Approaches 233
Task-Based Learning 233
Focus on the Learner 233
Transfer 234
Interlanguage 234
Input and Output 235
Communicative Competence 236
Study Questions 237
Tasks 237
Discussion Topics/Projects 241
Further Reading 241

15 Gestures and Sign Languages 244
Gestures 245
Iconics 245
Deictics 245
Beats 246
Types of Sign Languages 246
Oralism 247
Signed English 247
Origins of ASL 248
The Structure of Signs 249
Shape and Orientation 249
Location 249
Movement 249
Primes 249
Facial Expressions and Finger-Spelling 250
Representing Signs 250
The Meaning of Signs 251
Sign Languages as Natural Languages 252
Nicaraguan Sign Language 252
Study Questions 253
Tasks 253
Discussion Topics/Projects 254
Further Reading 255

16 Written Language 257
Writing 258
Pictograms 258
Ideograms 259
Logograms 260
Phonographic Writing 261
The Rebus Principle 261
Syllabic Writing 262
Alphabetic Writing 263
Written English 264
English Orthography 265
Study Questions 266
Tasks 266
Discussion Topics/Projects 270
Further Reading 271

17 Language History and Change 273
Family Trees 274
Indo-European 275
Cognates 275
Comparative Reconstruction 276
Comparing Cognates 276
Sound Reconstruction 277
Word Reconstruction 277
# Table of Contents

## The History of English
- **Old English** 278
- **Middle English** 279

## Sound Changes
- **Metathesis** 280
- **Epenthesis** 281
- **Prothesis** 281

## Syntactic Changes
- **Loss of Inflections** 282

## Semantic Changes
- **Broadening of Meaning** 283
- **Narrowing of Meaning** 283

## Diachronic and Synchronic Variation
- **Study Questions** 284
- **Tasks** 285
- **Discussion Topics/Projects** 288
- **Further Reading** 289

## 18 Regional Variation in Language 291
- **The Standard Language** 292
- **Accent and Dialect** 292
- **Variation in Grammar** 293

## Dialectology
- **Regional Dialects** 294
- **Isoglosses** 294
- **Dialect Boundaries** 295
- **The Dialect Continuum** 296

## Regional Bilingualism
- **Diglossia** 297

## Language Planning
- **Pidgins** 299
- **Creoles** 300

## The Post-Creole Continuum
- **Study Questions** 301
- **Tasks** 301
- **Discussion Topics/Projects** 305
- **Further Reading** 305

## 19 Social Variation in Language 308
- **Sociolinguistics** 309
- **Social Dialects** 309
- **Education and Occupation** 310
- **Social Markers** 311

## 20 Language and Culture 325
- **Culture** 326
- **Categories** 326

## Linguistic Relativity
- **The Sapir–Whorf Hypothesis** 328
- **Against the Sapir–Whorf Hypothesis** 329
- **Snow** 329

## Non-lexicalized Categories
- **Cognitive Categories** 330
- **Classifiers** 331

## Social Categories
- **Address Terms** 332

## Gender
- **Gendered Speech** 333
- **Gendered Interaction** 334
- **Gender Neutral** 335

## Study Questions
- **Tasks** 336
- **Discussion Topics/Projects** 342
- **Further Reading** 342

## Glossary
- **References** 345

## Index
- **361**