

Contents

Acknowledgments	xv
About the Authors	xvii
About This Book	xix
1 An Overview of the Field of Learning Disabilities	1
History of Learning Disabilities	2
Causal Factors	6
Incidence	8
Primary Characteristics of Learning Disabilities	8
Comorbid or Co-occurring Conditions	9
Attention Deficit Hyperactivity Disorder	9
Conduct Disorder	10
Tourette Syndrome	10
Prognosis	10
Programs and Settings for the Learning Disabled	11
Facts About Learning Disabilities	12
Summary	14
List of Major Organizations for the Learning Disabled	14
Periodicals on Learning Disabilities	15
2 Research in the Field of Learning Disabilities	17
Overview of the Brain, Biology, and Behavior	17
Brain Injury	20
Structural Brain Differences	22
Biochemical Influences	25
Research on Memory	27

Research on Metacognition	28
Research on Phonological Processing Problems	42
Research on Maturation and Retention	43
Research on Communication Problems	45
Research on Self-Concept, Self-Esteem, and Self-Efficacy	45
Research on Teachers' Perceptions	46
Research on Social Competence and Social Skills Training	46
Summary	47
3 Understanding the Laws	48
Parental Rights	50
Parents as Advocates	53
Student Rights	53
Teacher Rights and Obligations	53
Behavioral Goals and Behavioral Improvement Plans	54
Student and Parental Rights Regarding Suspension or Expulsion	56
Summary	57
4 Early Childhood Education for At-Risk Students	58
Special Education Services from Birth Through Age Two	62
Special Education Services for Children Ages Three Through Five	63
Assessment of Young Children	64
The Components of an Effective Early Childhood Education Program	65
Maturation and "Readiness" for Kindergarten	66
Summary	67
5 The Student Study Team Process	68
The Case for Early Intervention	69
Recognizing the Need	69
Talking with Parents	69
Parent and Student Preparation for the Student Study Team (SST)	71
Predictable Parental Feelings and Reactions	74
Initiating a Request for a Student Study Meeting	74
The Student Study Team Process	74
The Roles of the SST Members	76
Digital Classroom Accommodations	83
Sensory Accommodations	85

6 Formal Assessment and Identification of the Student with Learning Disabilities	86
The Multidisciplinary Team Process	86
Roles of the Members of the Multidisciplinary Team	87
Guidelines for Assessment	88
Intellectual Assessment	89
Intelligence Quotient (IQ)	89
Visual Perception	91
Auditory Perception	93
Memory	94
Academic Assessment	94
Commonly Used Tests	95
Classroom and Playground Observations	96
Time-on-Task Assessment	100
Language Assessment	102
Health Assessment	103
Behavioral Assessment	103
Summary	104
7 Planning for the Student with Learning Disabilities	110
Eligibility Issues	111
The Discrepancy Model	113
Exclusionary Criteria	114
Assessment Scores and Their Implication for Learning	115
Eligible or Not Eligible? Developing the Individual Education Plan (IEP)	117
Choosing the Appropriate Educational Setting (“Least Restrictive Environment”)	117
Determining the Number of Hours	118
Writing Appropriate, Measurable Objectives	119
The Purpose of Goals	119
Dissenting Opinions	120
Reviews of the IEP	120
The Annual Review	120
The Triennial Review	120
Special Reviews	120
Due Process	120

8	Classroom Management for Teachers	127
	Creating an Attractive and Useful Classroom	127
	Planning the First Week's Activities	128
	Behavioral Management Considerations	129
	Positive Reinforcement	129
	Rules	130
	Settling Students After a Recess	132
	Projecting a Positive Feeling	132
	Finding Better Ways to Talk to Students	133
	Preventing Misbehavior	134
	Keep the Environment Consistent and Structured	134
	Help Students Succeed	134
	Use Rewards, Contracts, Tokens, and Reinforcers	135
	Rewards	135
	Contracts	136
	Lotteries	136
	Token Economies	136
	Handling Misbehavior	138
	"Ball in Your Court" Technique	139
	Timeout	139
	Crisis Management	140
	Four Types of Challenging Students	140
	Record Keeping	143
	Using the Classroom Aide Effectively	144
	Twenty Tips for Successful Classroom Management	144
	Sample Approaches to Handling Inappropriate Behaviors	146
	Summary	149
9	Academic Management Considerations	150
	Curriculum, Setting, and Students' Needs	151
	Getting to Know Your Students' Academic Needs	
	Quickly Through Informal Testing	152
	Goal Setting and Effective Lesson Design	152
	Planning the School Day	155
	Planning for Flexibility	156
	Scheduling and Pacing	156
	Using a Variety of Activities	156

Grouping Students	156
Allowing Students Some Choice in Assignments and Rewards	156
Transforming Passive Students into Participatory Students	157
Overcoming Failure Syndrome	157
Planning Cooperative Learning Tasks	158
Suggestions for Maximizing Educational Results	159
Improving Lesson Results Through Feedback	160
Improving Learning Through Specific Teaching Techniques	161
Tests That Teach	161
Story Mapping, Advanced Organizers, and Webs	162
Mnemonics	164
Use of Higher-Level Thinking Activities	164
Issues of Grading and Evaluation	165
Tips for Academic Management	166
10 Interventions for Specific Problems	168
Visual Perceptual Deficits	169
Auditory Processing Deficits	172
Spatial Awareness Deficits	174
Conceptual Deficits	175
Memory Deficits	177
Students with Poor Work Habits	180
Interventions for Other Common LD Classroom Problems	182
Students with Poor Social Relationships or Behaviors	185
Students with Dyslexia	191
Sample History Assignment	193
Students with ADD or ADHD	194
Medical Treatment of ADD and ADHD	194
Behavioral Considerations for Students with ADD or ADHD	196
Tips for Classroom Teachers	197
11 Reading and the Student with Learning Disabilities	199
Who Will Have Trouble Learning to Read?	200
Elements of a Balanced Literacy Program	200
Phonemic Awareness	201
Sample Phonemic Awareness Lesson 1: Kindergarten–Grade 1	202

Sample Phonemic Awareness Lesson 2: Kindergarten–Grade 1	203
Sample Phonemic Awareness Lesson 3: Grades 1–2 (Instructional Level)	205
Sample Phonemic Awareness Lesson 4: Any Grade to High School	206
A Step-by-Step Guide for Teaching Reading to Students with Learning Disabilities	207
Letter Recognition and Sound Knowledge	210
Working with the Nonreader	211
Working with the Emergent Reader	216
Materials for Beginning and Emergent Readers	218
Working with the Guided Reader	220
Tips for Teaching Reading	228
12 Writing, Spelling, and Speaking	256
Printing	259
Teaching the Mechanics of Writing	260
Sample Interactive Writing Lesson (Instructional Level 1.3)	262
Sample Writing Lesson (Instructional Level 2.5)	265
Spelling for Young Students with Learning Disabilities	266
Materials	266
Methods	267
Speaking Activities for Young Students with Learning Disabilities	270
Handwriting Skills for Older Students with Learning Disabilities	271
The Mechanics of Writing for Older Students with Learning Disabilities	274
Letter Writing	277
E-mails and Digital Communication	278
Report Writing	278
Journal Writing	279
Spelling Activities for Older Students with Learning Disabilities	280
Speaking Opportunities for Older Students with Learning Disabilities	285

Sample Lesson: Recognizing Nouns	286
Sample Lesson: Recognizing Verbs	288
Writing Activities	290
My Accident	291
Title of My Story	292
13 Teaching Mathematically Challenged Students	297
Diagnosing a Student's Difficulties	297
Teaching Techniques	299
Levels of Understanding: Concrete, Representational, and Abstract	299
Incorporating Reading into the Math Curriculum	303
Teaching Specific Skills	305
Counting Symbols and One-to-One Correspondence	305
Beginning Addition	306
Counting and Understanding the Numbers 0–100	307
Recognizing and Counting Coins	309
Place Value: Ones and Tens Place	309
Counting by Fives	311
Time—by the Hour	312
Time—by Hour and Minute	312
Beginning Subtraction	314
Doing and Undoing: Plus and Minus	314
Building Numbers	316
Addition and Regrouping	317
More and Less	317
Simple Story Problems	318
Subtraction With and Without Regrouping	318
Rounding Numbers to the Nearest 10 or Nearest 100	320
Recognizing and Spelling Number Words	320
Place Value—Through Thousands	323
Linear Measurement	323
Simple Multiplication Techniques	324
Simple Division Techniques	327
Doing and Undoing (Multiplication and Division)	327
Liquid Measurement	328
Fractions	328

Estimating	331
More Complex Story Problems	331
More Complex Division	332
Relating Fractions to Decimals	332
Making Change	333
Summary	333
14 Adolescents and Adults with Learning Disabilities	335
Understanding the Changing Needs of the Adolescent	335
School Changes	335
Physical Changes	336
Efforts to Engage the Junior High Student in the Educational Process	337
Departmentalization (School Within a School)	337
Personal Efforts of Individual Teachers	338
Curriculum for the Junior High School	339
Basic Skills	340
Strategies to Increase Metacognition and Learning	341
The Art of Counseling Adolescent Students	341
Teaching Students to Be Their Own Advocates	343
Transition IEPs	346
Understanding the Needs of the High School Student with Learning Disabilities	346
Work-Study Program	347
Continuation Schools and Independent Study Programs	348
Life and Social Skills	348
Understanding the Needs of the Young Adult with Learning Disabilities	348
Services Available to Students Going to College	350
Vocational Rehabilitation Services for the Learning Disabled	351
Adult Education Opportunities	351
15 The Role of the Family	352
The Role of Parents—as Parents	352
The Home Environment	353
Providing Worthwhile Activities	354
The Role of Parents—as Teachers	354

Supervision of Homework	354
Helping at School	356
The Role of Parents—as Advocates	356
Tips for Helping Your Child	357
16 Education in the New Millennium	359
Increased Mainstreaming	359
Increased Use of Technology	360
Class Size	361
Teacher Preparation Trends and Issues	362
Professional Salaries and Working Conditions	362
Conclusion	363
References	365
Further Reading	373
Index	377

