Contents

Foreword Bradley Adams	ix
Acknowledgments	xi
About the Author	xv
Introduction	1
Substantiating Research	6
How the Book Is Structured Learning Objectives	8 9
PART I. SEX AND GENDER DIFFERENCES IN THE CLASSROOM	
Chapter 1. Brain Basics	13
Are Brains Gendered?	14
Anatomy of the Brain	16
Sex Differences in Brain Function	19
Cognitive Skills	22
Chapter 2. Sensory Differences	29
Vision	31
Hearing	35
Touch	38
Learning Modalities	42 45
Sensory Differences and Learning	
Chapter 3. Physical Differences	47
Activity Levels	49
Gross Motor Development Versus Fine Motor Development	51
Targeting Llandada and Douterita	53 54
Handedness and Dexterity Growth Patterns	54 57
Physical Differences and Learning	57 59

Chapter 4. Cognitive Differences	61
Verbal and Language Skills	63
Practice the Skills Necessary for the SAT, ACT,	
NAEP, and Other Standardized Tests	74
Spatial Abilities	76
Learning Modalities	79
Strategy Development	81
Cognitive Differences and Learning	81
PART II. SOCIETAL AND BIOLOGICAL INFLUENCES	
Chapter 5. ADHD and Learning Disabilities	85
Attention—ADHD	88
Medication	99
The "At-Risk" Student	103
Sleep	111
Attentional and Learning Problems	112
Chapter 6. Social and Emotional Differences	113
The Brain and Emotions	117
Emotional Vocabulary	124
Aggression and Bullying	125
Competition and Cooperation	131
Puberty	134
Alcohol and Drugs	136
Social Influence on School	141
School and Masculinity	154
Learning Applications	156
Emotions and Learning	158
Chapter 7. Students With Other Risks	159
Teachers	162
Culture	165
Adults	171
Boys in Foster Care	174
Boys With Cultural, Linguistic, or Socioeconomic	
Differences and School	175
PART III. STRATEGIES AND RESOURCES FOR TEACHING THE MALE BRAIN	
Chapter 8. Classroom Management Strategies	179
Home Influence	181
Discipline	186
I	100

Self-Control	191
Technology	192
Classroom Management and Learning	193
Chapter 9. Content-Specific Suggestions	195
English/Language Arts	197
Mathematics	205
History/Social Studies	209
Science	210
Foreign Languages	213
Fine Arts, Music, and Drama	215
Computer Skills	217
Individual Disciplines and Learning	218
Chapter 10. Gendered Education:	
Teaching Boys and Girls Together	219
Boys and Girls as Learners	221
Sex and Gender Differences in the Classroom	222
Gendered Education and Learning	238
Chapter 11. Effective Teaching	239
Differentiated Instruction	241
Multiple Intelligences	245
Learning Modalities	248
Unit Design	254
Empowering Boys as Learners	255
Test-Taking Strategies	260
Final Words	264
Chapter 12. Resources and Other Helps	265
Books of Interest	265
Rubrics	270
Learning Style Assessments	270
Resources: List of Books for Boys	277
Books for Boys Ages 6–9	277
Books for Boys Ages 9–13	278
Books for Boys Ages 3–13	279
Graphic Novels	280
References	283
Index	307
HIMEA	307