

Contents

To the Reader xi

1	Why Do Teachers Need to Know about Assessment? 1	
	Assessment versus Testing 2	
	Why Should Teachers Know about Assessment? Yesteryear's Answers	5
	Why Should Teachers Know about Assessment? Today's Answers 10	
	• DECISION TIME: Pressure from "Higher Ups" 11	
	What Do Classroom Teachers Really Need to Know about Assessment?	15
	But What Does This Have to Do with Teaching? 17	
	• Parent Talk 19	
	A Three-Chapter Preview 20	
	Chapter Summary 22	
	Self-Check 22	
	Pondertime 24	
	Self-Check Key 25	
	Additional Stuff 25	
	Nonprint Stuff 26	
	Cyber Stuff 26	
	;	
2	Reliability of Assessment 27	
	Stability Reliability 29	
	DECISION TIME: Quibbling over Quizzes 30	
	Alternate-Form Reliability 32	
	Internal Consistency Reliability 33	
	Three Coins in the Reliability Fountain 35	
	• Parent Talk 36	
	The Standard Error of Measurement 37	
	But What Does This Have to Do with Teaching? 39	
	What Do Classroom Teachers Really Need to Know about Reliability?	4 0
	Chapter Summary 41	
	Self-Check 42	
	Pondertime 44	

Self-Check Key 44
Endnote 45
Additional Stuff 45
Cyber Stuff 46

3 Validity 47

A Quest for Defensible Inferences

• DECISION TIME: Group-Influenced Grading 49

Validity Evidence 50

Content-Related Evidence of Validity 52

Criterion-Related Evidence of Validity 59

Parent Talk 61

Construct-Related Evidence of Validity 62

Sanctioned and Unsanctioned Forms of Validity Evidence 65

The Relationship between Reliability and Validity 66

What Do Classroom Teachers Really Need to Know about Validity? 66

47

But What Does This Have to Do with Teaching?

Chapter Summary 68

Self-Check 68

Pondertime 71

Self-Check Key 71

Additional Stuff 71

Cyber Stuff 72

4 Absence-of-Bias

73

The Nature of Assessment Bias 73

• DECISION TIME: Choose Your Language, Children! 76

Disparate Impact and Assessment Bias 77

Judgmental Approaches 78

Empirical Approaches 81

Bias Detection in the Classroom 81

Parent Talk 83

Assessment Accommodations for Students Who Need Them

84

What Do Classroom Teachers Really Need to Know about Absence-of-Bias? 86

• But What Does This Have to Do with Teaching? 87

144

Self-Check 89 92 **Pondertime** Self-Check Key 92 Additional Stuff 93 94 Cyber Stuff Deciding What to Assess and How to Assess It 95 What to Assess • DECISION TIME: On Demand Assessment 99 A Different Taxonomic Table 102 **NAEP Frameworks** 108 110 How to Assess It • Parent Talk 114 But What Does This Have to Do with Teaching? What Do Classroom Teachers Really Need to Know about What to Assess and How to Assess It? Chapter Summary 118 Self-Check **Pondertime** 121 Self-Check Key 121 Endnote 122 Additional Stuff 122 123 Nonprint Stuff Cyber Stuff 124 Selected-Response Tests *125* Ten (Divided by Two) Item-Writing Commandments 126 Binary-Choice Items 129 132 Multiple Binary-Choice Items Multiple-Choice Items 134 • **DECISION TIME**: Multiple-Guess Test Items? 137 Parent Talk 139 Matching Items 140 What Do Classroom Teachers Really Need to Know about Selected-Response Tests?

But What Does This Have to Do with Teaching?

145

	Self-Check 145	
	Pondertime 147	
	Self-Check Key 148	
	Additional Stuff 149	
	Nonprint Stuff 149	
	Cyber Stuff 149	
7	Constructed-Response Tests 151	
	Short-Answer Items 152	
	Essay Items: Development 155	
	• DECISION TIME: Forests or Trees? 156	
	Essay Items: Scoring Students' Responses 160	
	• Parent Talk 165	
	 But What Does This Have to Do with Teaching? 	
	What Do Classroom Teachers Really Need to Know about Constructed-Response Tests? 167	
	Chapter Summary 168	
	Self-Check 168	
	Pondertime 171	
	Self-Check Key 171	
	Additional Stuff 172	
	Nonprint Stuff 172	
	Cyber Stuff 172	
8	Performance Assessment 173	
	What Is a Performance Test? 173	
	Why Performance Assessment? 176	
	Identifying Suitable Tasks for Performance Assessment 177	
	• DECISION TIME: Grow, Plants, Grow! 178	
	Identifying Scoring Criteria 182	
	Two Illustrative Performance-Test Tasks and a Scoring System	184
	Ratings and Observations 187	
	Sources of Error in Scoring Student Performances 191	
	 But What Does This Have to Do with Teaching? 	
	What Do Classroom Teachers Really Need to Know about Performance Assessment? 193	
	• Parent Talk 194	

Self-Check 195
Pondertime 195
Self-Check Key 196
Additional Stuff 196
Nonprint Stuff 197
Cyber Stuff 198
tfolio Assessment 199
Classroom Portfolio Assessment versus Large-Scale Portfolio Assessment 199
• DECISION TIME: Does Self-Evaluation Equal Self-Grading? 202
Key Ingredients in Classroom Portfolio Assessment 203
The Pros and Cons of Portfolio Assessment 209
 But What Does This Have to Do with Teaching?
• Parent Talk 211
What Do Classroom Teachers Really Need to Know about Portfolio Assessment? 211
Chapter Summary 212
Self-Check 213
Pondertime 215
Self-Check Key 215
Additional Stuff 216
Nonprint Stuff 216
Cyber Stuff 216
Fective Assessment 217
Why Assess Affect? 217
• DECISION TIME: Where Went Wonder? 219
The Other Side of the Argument 220
Which Affective Variables Should Be Assessed? 221
How Should Affect Be Assessed in Classrooms? 223
Self-Report Assessment 224
A Set of Modifiable Affective Inventories 227
• Parent Talk 229
What Kind of Inferences Are at Stake in Affective Assessment? 230
But What Does This Have to Do with Teaching? 231
What Do Classroom Teachers Really Need to Know about Affective Assessment? 231
Chapter Summary 232

11

12

Self-Check 233
Pondertime 234
Self-Check Key 235
Additional Stuff 235
Nonprint Stuff 236
•
Improving Teacher-Developed Assessments 237
Judgmentally Based Improvement Procedures 238
Empirically Based Improvement Procedures 242
• Parent Talk 245
• DECISION TIME: To Catch a Culprit: Teacher or Test 246
Item Analysis for Criterion-Referenced Measurement 248
 But What Does This Have to Do with Teaching?
What Do Classroom Teachers Really Need to Know about Improving Their Assessments? 250
Chapter Summary 250
Self-Check 251
Pondertime 253
Self-Check Key 253
Additional Stuff 254
Nonprint Stuff 254
-
Instructionally Oriented Assessment 255
Instructional Decisions and Assessment Results 256
Planning Instruction to Achieve Assessment-Exemplified Objectives 262
• DECISION TIME: At What Cost Boosting? 263
• Parent Talk 276
What Do Classroom Teachers Really Need to Know about Instructionally Oriented Assessment? 278
 But What Does This Have to Do with Teaching?
Chapter Summary 279
Self-Check 280
Pondertime 280
Self-Check Key 281
Additional Stuff 281
Nonprint Stuff 282
Cyber Stuff 282

Making Sense Out of Standardized Test Scores 283

284 Standardized Tests

• DECISION TIME: Which Test to Believe 285

Group-Focused Test Interpretation

Individual Student Test Interpretation 287

298 But What Does This Have to Do with Teaching?

 Parent Talk 299

What Do Classroom Teachers Really Need to Know 300 about Interpreting Standardized Test Scores?

Chapter Summary 300

301

Self-Check

Pondertime

302

Self-Check Key 303

Additional Stuff 303

Nonprint Stuff 304

Cyber Stuff 304

Appropriate and Inappropriate Test-Preparation Practices *305*

305 **High-Stakes Assessment Arrives**

306 Assessment Results as Inference Illuminators

• DECISION TIME: Was It Really Wrong? 307

307 Two Evaluative Guidelines

310 **Five Test-Preparation Practices**

Applying the Two Guidelines 311

 Parent Talk 312

What about "Teaching to the Test"? 313

 But What Does This Have to Do with Teaching? 315

What Do Classroom Teachers Really Need to Know about Test-Preparation Practices?

Chapter Summary 316

Self-Check 316

318 **Pondertime**

Self-Check Key 319

Additional Stuff 319

Nonprint Stuff 320

Cyber Stuff 320

Evaluating Teaching and Grading Students 321

Distinction Drawing 321

322 Evaluation of Teaching and the Use of Assessment Data

An Alternative Data-Gathering Design

What's in a Name?

A Standardized Test's Function 328

328 Differentiation as a Demigod

Measuring Temperature with a Tablespoon 330

327

Testing-Teaching Mismatches 330

A Tendency to Eliminate Important Test Items 332

Causality Confusion 332

What's a Teacher to Do? 337

338 Right Task, Wrong Tools

338 Assessment-Based Grading

 DECISION TIME: Should Level-of-Effort Be Rewarded? 338

Hodgepodge Grading 344

Electronic Record Keeping 344

 Parent Talk 345

• But What Does This Have to Do with Teaching?

What Do Classroom Teachers Really Need to Know about Assessment-Based 348

348

Evaluation of Teaching and Grading of Students? 349

Chapter Summary

Self-Check 350

Pondertime 351

352 Self-Check Key

Additional Stuff 352

Nonprint Stuff 353

Cyber Stuff 354

Appendix: Four Self-Report Affective Inventories:

Description and Use *355*

Glossary *363*

Index 367