BRIEF CONTENTS

CHAPTER 1	The Role of Assessment in Teaching and Learning 1
CHAPTER 2	Standards and Cognitive Learning Targets 34
CHAPTER 3	High-Quality Classroom Assessment 70
CHAPTER 4	Embedded Formative Assessment 107
CHAPTER 5	Summative-Based Formative Assessment 143
CHAPTER 6	Summative Assessment I: Planning and Implementing Classroom Tests 168
CHAPTER 7	Summative Assessment II: Using Large-Scale Standards-Based and Standardized Tests 187
CHAPTER 8	Selected-Response Assessment: Multiple-Choice, Binary-Choice, and Matching Items 215
CHAPTER 9	Constructed-Response Assessment: Completion, Short- Answer, and Essay Items 243
CHAPTER 10	Performance Assessment 266
CHAPTER 11	Portfolios: Paper and Digital 301
CHAPTER 12	Assessing "Noncognitive" Dispositions and Skills 326
CHAPTER 13	Assessment for Students with Exceptional Needs 365
CHAPTER 14	Assessment for Culturally and Linguistically Diverse Students 398
CHAPTER 15	Grading and Reporting Student Performance 422
APPENDIX A	Fundamental Descriptive Statistics and Scaled Scores 465
APPENDIX B	Example of Student Individualized Education Program (IEP) 477
APPENDIX C	Self-Instructional Review Exercises and Answers 487

COMTENTS

1	 Summary 31 Introductory Case Study Answer 32 Suggestions for Action Research 32 		
CHAPTER			
The Role of Assessment in			
Teaching and Learning 1			
Introductory Case Study 2	CHAPTER 2		
The Bigger Picture Context of Classroom Assessment 4	Standards and Cognitive Learning Targets 34		
21st Century-Knowledge, Skills, and Dispositions 4	Introductory Case Study 35		
Technology 5	Knowing Where Your Students Are Going 36		
Principles of Cognitive and Sociocultural Learning and Motivation 6	Revisiting the Big Picture 36 Educational Outcomes 39		
Standards-Based Education 7	Educational Goals 39		
High-Stakes Testing 9	Standards 40		
Data Literacy 10	State Standards 42		
Integrating Instruction and Assessment 11	Common Core State Standards 45		
The Realities of Teaching 11	Deconstructing Standards 48		
Instructional Decision Making and Assessment 14	Educational Objectives 49		
Components of Classroom Assessment 17 Purpose 18 Measurement 18	Taxonomies of Educational Objectives 50 Bloom's Taxonomy of Objectives 51 Bloom's Revised Taxonomy of Objectives 52 Marzano and Kendall's New Taxonomy 54		
Interpretation 19	Learning Targets 55		
Use 19 Diagnosis 19 Grading 20 Instruction 20	Types of Cognitive Learning Targets 58 Knowledge Representation 58 Declarative Knowledge and Simple Understanding 61		
Recent Trends in Classroom Assessment 20	Procedural Knowledge and Simple Understanding 62 Reasoning and Deep Understanding 62 Criteria for Selecting Learning Targets 66 Summary 67		
Teachers' Classroom Assessment and Grading Practices Decision Making 23 Students' Perceptions of Assessment 26			
Classroom Assessment Knowledge and Skills for Teachers 29	 Introductory Case Study Answer 68 Suggestions for Action Research 69 		

CHAPTER 3

High-Quality Classroom Assessment 70

Introductory Case Study 71

What Is High-Quality Classroom Assessment? 72

Clear and Appropriate Learning
Targets 73

Alignment of Assessment Methods and Learning Targets 73

Types of Assessment Methods 74

Matching Targets with Methods 76

Knowledge and Simple Understanding 77
Reasoning and Deep Understanding 77
Skills 78
Products 78
Affect/Dispositions 79

Validity 79

What Is a Validity? 79

How Is Validity Determined? 81

Content-Related Evidence 81
Criterion-Related Evidence 84
Consequential Evidence 85

Reliability/Precision 86

What Is a Reliable/Precise Score? 86

Assessment Error 87

How Is Reliability/Precision Determined for Classroom Assessments? 89

How to Improve Classroom Assessment Reliability/ Precision 90

Fairness 91

Transparency: Student Knowledge of Learning
Targets and Assessments 91
Opportunity to Learn 92

Prerequisite Knowledge and Skills 92

Avoiding Student Stereotyping 93

Avoiding Bias in Assessment Tasks and Procedures 93

Accommodating Special Needs and English Language Learners 95

A Model of Fairness in Classroom Assessment 95

Positive Consequences 97

Positive Consequences for Students 97

Positive Consequences for Teachers and Instruction 98

Alignment with Standards 99

Practicality and Efficiency 102

Teacher Familiarity with the Method 102

Time Required 102

Complexity of Administration 103

Ease of Scoring 103

Ease of Interpretation 103

Cost 103

Summary 104

Introductory Case Study Answer 105

Suggestions for Action Research 105

CHAPTER 4

Embedded Formative Assessment 107

Introductory Case Study 108

What Is Formative Assessment? 109

The Process of Formative Assessment 110

Characteristics of Formative Assessment 111

Types of Formative Assessment 112

Gathering Evidence for Embedded Formative
Assessment 115

Observation 115

Assessing Nonverbal Behavior 116
Assessing Voice-Related Cues 120

Sources of Error in Moment-by-Moment	Quizzes and Unit Tests 149		
Observation 122 Informal Oral Ouastioning 122	Digital Tools 150		
Informal Oral Questioning 123 Characteristics of Effective Questioning for	Common Assessments 151		
Embedded Formative Assessment 125	Interim Assessments 151		
Providing Effective Feedback for Embedded Formative Assessment 130	Year-End Large-Scale Assessments 153 Feedback Reconsidered 153		
Types of Feedback 133 Target-Referenced 134 Scaffolded 134	Feedback Types and Modes of Delivery 154 Anticipating Feedback 157		
Self-Referenced 135 Standards-Referenced 135	Instructional Adjustments 158 Mastery Learning 159		
Determining the Nature of the Feedback 135 Amount 136 Timing 136	Differentiated Instruction 160 Response to Intervention 161		
Mode 136 Audience 136 Type of Task 137	Learning Progressions 162 A Model of Instructional Adjustments Using Summative-Based Formative Assessment 163 Summary 166 Introductory Case Study Answer 166 Suggestions for Action Research 167		
Differentiated Embedded Formative Feedback 137 Learner Level of Ability 137 Grade Level 138 Subject 138			
What About Giving Praise? 139 Summary 140	CHAPTER 6		
 Introductory Case Study Answer 141 Suggestions for Action Research 142 	Summative Assessment I: Planning and Implementing Classroom Tests 168		
CHAPTER 5	Introductory Case Study 169		
Summative-Based Formative Assessment 143	Planning Summative Assessment 171 Representative Sampling 172 Use Assessment Blueprint 172 Number and Length of Assessments 172 Grade Level 173 Type of Item 174		
Introductory Case Study 144			
Preassessments, Homework, and Seatwork 145			
Structured Exercises 146	Use of Assessments Provided by Textbook and Test		
Pretests 146	Publishers and School Districts 175		
Homework 147 Seatwork 148	Preparing Students for Classroom Summative Assessments 175		

Assessing Reasoning and Deep Understanding 237

Assessment-Taking Skills and Testwiseness 176 Test Score Report Formats 198 Item Type and Format 177 Interpreting Standards-Based and Standardized Scores 199 Assessment Anxiety 177 Standard Error of Measurement 199 When to Construct Summative Alignment 200 Assessments 178 Standards-Based Interpretations 201 **Putting Summative Assessments** Interpreting Test Reports for Parents 205 Together 179 Preparing Students to Take Standards-Based Preparing Assessment Directions 179 and Standardized Tests 207 Item Arrangement 181 Administering Standards-Based and Physical Layout 182 Standardized Tests 211 Administering Summative Assessments Summary 212 Use of Summative Assessments 184 Introductory Case Study Answer 213 Summary 185 Suggestions for Action Research 213 Answer to Introductory Case Study 185 Suggestions for Action Research 186 CHAPTER 8 CHAPTER Selected-Response Assessment: Multiple-Summative Assessment II: Choice, Binary-Choice, and Using Large-Scale Matching Items 215 Standards-Based and Standardized Tests 187 Introductory Case Study 216 Multiple-Choice Items 217 Introductory Case Study 188 Assessing Knowledge and Comprehension 223 What Are Standardized-Based and Assessing Application 224 Standardized Tests? 189 Assessing Reasoning and Deep Standards-Based Tests 190 Understanding 225 State Standards-Based Tests 191 Binary-Choice Items 228 National Standards-Based Tests 193 Benchmark Assessments 193 Assessing Knowledge and Comprehension 229 Standardized Tests 195 Assessing Application 231 Norm-Referenced Achievement Test Assessing Reasoning and Deep Batteries 195 Understanding 231 Aptitude Tests 197 Matching Items 232 Readiness Tests 197 Selected-Response Interpretive Exercises 234 Understanding and Interpreting Assessing Comprehension 236 Standards-Based and Standardized

Test Scores 198

Techno	ology-Er	hanced	Selected-	Response
Items				

- Summary 240
- Introductory Case Study Answer 24
- Suggestions for Action Research 241

CHAPTER 9

Constructed-Response Assessment: Completion, Short-Answer, and Essay Items 243

Introductory Case Study 244

Choosing the Right Type of Constructed-Response Item 245

Completion Items 246

Short-Answer Items 248

Assessing Knowledge and Comprehension 249
Assessing Reasoning and Deep

Understanding 251

Essay Items 253

Constructing/Selecting Essay Items 256

Scoring Essays 259

Technology-Enhanced Scoring of Constructed-Response Items 262

- Summary 263
- Introductory Case Study Answer 263
- Suggestions for Action Research 264

CHAPTER 10

Performance Assessment 266

Introductory Case Study 267

What Is Performance Assessment? 268

Strengths and Limitations of Performance Assessments 270

Strengths 270

Limitations 270

Learning Targets for Performance Assessments 272

Deep Understanding 273

Reasoning 273

Skills 273

Communication and Presentation Skills 273
Psychomotor Skills 275

Products 276

Constructing Performance Tasks 277

Step 1: Identify the Performance Task 277

Restricted- and Extended-Type Performance

Tasks 277

Step 2: Prepare the Task Description 279

Step 3: Prepare the Performance Task Question or Prompt 280

Performance Criteria 285

Scoring and Evaluating 286

Checklists 287

Rating Scales 287

Rubrics 288

Developing Rubrics 289
Holistic or Analytic? 290

- Summary 298
- Introductory Case Study Answer 299
- Suggestions for Action Research 300

CHAPTER 11

Portfolios: Paper and Digital 301

Introductory Case Study 302

What Are Portfolios? 303

Advantages 305

Disadvantages 307

Planning for Portfolio Assessment 308

Purpose 309

Learning Targets and Standards 309
Uses 309

Identify Physical and/or Digital Structure 310

Determine Nature of the Content 311

Determine Student Self-Reflective Guidelines and Scoring Criteria 311

Implementing Portfolio Assessment 311

Review with Students 313

Supplying Portfolio Content 313

Student Self-Reflection 314

Teacher Evaluation and Feedback 317

Checklists of Contents 318

Portfolio Structure Evaluation 318

Evaluations of Individual Entries 318

Evaluation of Entire Contents 318

Student-Teacher Conferences 318

Digital Portfolios 319

- Summary 323
- Introductory Case Study Answer 324
- Suggestions for Action Research 325

CHAPTER 12

Assessing "Noncognitive" Dispositions and Skills 326

Introductory Case Study 327

Are "Noncognitive" Disposition and Skill Targets Important? 328

What Are Dispositional Traits and Learning Targets? 331

Attitude Targets 332

Value Targets 333

Motivation Targets 334

Self-Concept Targets 335

Self-Efficacy Targets 335

Interpersonal Skill Learning Targets 336

Methods of Assessing "Noncognitive" Dispositions and Skills 338

Teacher Observation 339

Unstructured Observation 340

Structured Observation 341

Teacher Interviews 343

Student Self-Report Questionnaires and Surveys 345

Constructed-Response Formats 347
Selected-Response Formats 348

Student Self-Assessment 354

Self-Assessment Strategies 359

Which Method or Combination of Methods Should I Use? 362

- Summary 362
- Introductory Case Study Answer 363
- Suggestions for Action Research 364

CHAPTER 13

Assessment for Students with Exceptional Needs 365

Introductory Case Study 366

Legal Mandates 367

Exceptional Disabilities 370

Intellectual Disability 370

Sensory Impairments 371

Speech and Language Disorders 371

Physical and Health Impairments 371

Specific Learning Disability Emotional and Behavioral Disorders 373 Autism 374 Identifying Students for Special Education Services 374 Prereferral 375 Formal Referral 376 Individualized Education Programs (IEPs) 378 Assessment Challenges for Students with Exceptional Needs 380 Comprehension Difficulties 381 Auditory Difficulties 381 Visual Difficulties 382 Time Constraint Difficulties 382 Anxiety 382 Embarrassment 383 Variability of Behavior 383 Assessment Accommodations 383 Adaptations in Test Directions, Construction, and Format 384 Short-Answer and Essay Items 385 Multiple-Choice Items 386 Binary-Choice Items 387 Completion Items 387 Performance Assessments. Portfolios 387 Adaptations in Test Administration Adaptations in Testing Site 390 Grading and Reporting Accommodations 390 Grading Accommodations 390 IEP Grading 390 Shared Grading 391

Contracting 391

Reporting Accommodations 392

Rubrics 392

Gifted Students 393

- Summary 394
- Introductory Case Study Answer 396
- Suggestions for Action Research 396

CHAPTER 14

Assessment for Culturally and Linguistically Diverse Students 398

Introductory Case Study 399

Who Are "Culturally and Linguistically"

Diverse Students? 400

Acculturation 402

Understanding Acculturation 402

Assessment of Acculturation 403

Formal Assessment 403 Informal Assessment 404

CLD Student Assessment 405

CLD Student Characteristics Influencing
Assessment 405

Language and Literacy Skills 405
Educational Background 406
Socioeconomic Status 406
Cultural Factors 407

Classroom Assessment Difficulties 407

Difficulty Comprehending Test Language 409
Difficulty Expressing What Is Known 409
Lack of Content and Cultural Knowledge in Test
Items 409
Unfamiliarity with Test Formats 410
Emotional Stress 410

Bias and Sensitivity 410

Assessment Accommodations 412

Embedded Formative Assessment 412

Learning Targets and Criteria 412

Observations 412

Assessing Nonverbal Behavior and Vocal Cues 413	Attitudes 110		
Informal Oral Questioning 413	Attitudes 440		
Code-Switching 413	Group Work 440		
ummative-Based Formative Assessment 414 Structured Exercises and In-Class Assignments 414	Approaches to Marking and Grading 441 Letter Grades 442		
Pretests 414	Percentage Correct 443		
Homework 414	Rubrics/Checklists 445		
Quizzes, Unit Tests, and Interim Assessments 415	Standards-Based 445		
Digital Formats 415	Written Descriptions 447		
ummative Assessment 415 Preparing CLD Students for Summative	Determining Report Card (Composite) Grades 448		
Assessments 415 Direct Translation? 415	Select What to Include in the Final Grade 448		
Summative Assessment Formats 416	Select Weights for Each Assessment 450		
rading CLD Students 418 Summary 419	Combining Different Scores and Grades 452 Weighted Categories Versus Total Points Methods 455		
Introductory Case Study Answer 420 Suggestions for Action Research 420	Using Judgment When Combining Grades 455 Cheating 456 Assessing the Weight of Mandated		
HAPTER 15	Assessments 456 Recognizing Teacher Fallibility 457		
Grading and Reporting	Reporting Student Progress to Parents 458		
Student Performance 422	Report Cards 459 Progress Reports 459		
Introductory Case Study 423	Parent-Teacher Conferences 460		
eachers' Judgments in Grading 424	Student-Led Conferences 461		
bjectivity 425	Summary 461		
eachers' Grading Decision Making 427	Introductory Case Study Answer 463		
unctions of Marking and Grading 428	Suggestions for Action Research 464		
roviding Feedback 429	APPENDIX A Fundamental Descriptive Statistics and Scaled Scores 465		
asis of Comparison 429 Individual Student-Referenced Comparison 430 Norm-Referenced Grading 431	APPENDIX B Example of Student Individualized Education Program (IEP) 477		
Standards-Based Grading 432 Notivation 435	APPENDIX C Self-Instructional Review Exercises and Answers 487		
sing Factors Other Than Academic	Glossary 515		
erformance 438	References 519		
Effort 438			
Attendance 439	Index 527		