

# Contents

Figures, Tables, and Exhibits ix  
Foreword xiii  
Ken O'Connor  
Preface xvii  
Acknowledgments xxi  
About the Authors xxiii  
Introduction: Assessment for Classroom Learning xxv

1. Understanding the Varieties of Assessment 1

## **Part One Clarifying Learning Targets 13**

2. Unpacking Standards and Benchmarks 15
3. Defining Student Expectations 31

## **Part Two Gathering Assessment Evidence 43**

4. Understanding and Selecting Assessment Methods 45
5. Written Product, Portfolio, and Project Assessments 63
6. Designing Quality Classroom Assessment Tasks 77
7. Creating Useful Scoring Guides 93

<b>Part Three</b>	<b>Making Sense of Assessment Data</b>	<b>111</b>
8.	Tracking and Analyzing Results	113
<b>Part Four</b>	<b>Linking Assessment to Instruction</b>	<b>129</b>
9.	Revising Feedback and Instructional Plans	131
10.	Using Assessment to Motivate Students	159
<b>Part Five</b>	<b>Related Assessment Factors</b>	<b>175</b>
11.	Rethinking Grading Practices	177
12.	Challenges of High-Stakes Assessment	197
	Conclusion: An Appeal for Change	213
	Appendix: Reflection and Discussion Questions	219
	References	229
	Index	237

# Figures, Tables, and Exhibits

## Figures

I.1	Assessment Iceberg	xxx
I.2	Classroom Assessment Cycle	xxxii
I.3	Classroom Assessment Cycle Showing External and Internal Factors	xxxiii
P1.1	Learning Targets Are Clarified	13
2.1	Beaker with Big Rocks	16
2.2	Perimeter Question	30
3.1	Curricular Hierarchy for World Geography Strand	35
P2.1	Evidence Is Gathered in a Variety of Ways	43
4.1	Sample Concept Map	54
4.2	Venn Diagram: Comparison of Selected- and Constructed-Response Assessments	55
4.3	Sample Flowchart: Geiger Counter Lab	55
4.4	Sample Flowchart: Squares and Rectangles	56
5.1	Sample Growth Portfolio Excerpt	68
5.2	Outline of Electronic Portfolio Organization	69
P3.1	Inferences, Analysis of Data, and Interpretations Are Made	111
8.1	Data Analysis Process	114
8.2	Grade Distribution Data for an Assessment Task	122
8.3	Grade Distributions for Three Assessments	123
8.4	Chris: Patterns Observed in Quarter 4 Work	123
8.5	Student Reading Profiles	126
P4.1	Instructional Plans and Modifications Are Carried Out	129
9.1	Learning Takes Place	141
9.2	Flowchart for Problem-Based Learning	155
10.1	Scientific Learning Cycle	168
P5.1	Classroom Assessment Cycle Showing External and Internal Factors	175
C.1	Classroom Assessment Cycle	214
C.2	Classroom Assessment Cycle Showing External and Internal Factors	215

## Tables

2.1	Global Transitions	18
2.2	A Comparison Between New and Traditional Curricula	24
2.3	Sources for National Standards	27
2.4	Curricular Hierarchy Within North Carolina Biology Curriculum	28
2.5	Targets Matched to Indicators of an Effective Reader	29
4.1	Discussion Matrix: Formative Use	48
4.2	Assessment Methods and Approaches	51
4.3	Sample Table	57
4.4	<i>Sesame Street</i> Data Table	58
4.5	Sample Matrix	59
4.6	Debate Self-Assessment Form	61
6.1	Matching Assessments to Targets	80
7.1	Analytical Rubric for Practice on Narrative Essay	97
7.2	Elementary Performance Assessments in Math: Analytical Scoring Rubric for Grades K–5	98
7.3	Sample Holistic Writing Rubric	99
7.4	Poorly Designed Rubric	101
7.5	Rubric for Assessing the Quality of Rubrics	109
8.1	Teacher Inferences and Action Plan: Poor-Performing Student in Fifth Grade Math	124
9.1	Assessment Beliefs and Practices	133
9.2	Instructional Strategies	136
9.3	IRC-Teacher Notes: Modifying Instruction	145
10.1	Classroom Motivation Survey for Teachers and Students	171
10.2	Critique of the Assessment Environment	173
11.1	Comparison of Traditional and New Grading Practices	180
11.2	Characteristics of a Productive Grading Plan: Unit of Study on Science Measurement	192
12.1	Raw Scores	203
12.2	Derived Percentage Scores	203
12.3	Percentile Ranks	203
12.4	Grade Equivalents	204
12.5	Characteristics of Classroom Assessment Versus High-Stakes Testing	212
C.1.	Summary of Chapter Concepts	216

## Exhibits

1.1	Sample Assessments from an Elementary Classroom	7
3.1	What Types of Learning Targets Are These?	36
3.2	Kindergarten Assessment Example	37
3.3	Grade 1 Assessment Example	38
3.4	Grade 2 Assessment Example	39
3.5	Grade 3 Assessment Example	40
3.6	Grade 4 Assessment Example	40
3.7	Grade 5 Assessment Example	41
4.1	Self-Assessment: My Progress in Reading	49
4.2	Checklist for Panel Discussion	62

5.1	Sample Log	64
6.1	Planning Template for Quality Task Design	82
6.2	Planning Template for Quality Task Design: Graphing Lesson	83
6.3	Tool for Assessing Students in Text-Based Assessment Discourse Groups	84
6.4	Questioning Guide	86
6.5	Graphs for Student Interpretation	90
6.6	Graphing Activity Worksheet	91
7.1	Sample 2 Checklist Used to Provide Feedback: Experiment Using Scientific Method	100
7.2	Essay Prompt with Partial Rubric Showing Criteria	103
7.3	Exemplars for Math Assessment: High, Medium, and Low Examples	105
7.4	Alternative Grading Process	108
8.1	Student Assessment Conference Form: Fifth Grade	117
8.2	Example: Science Observational Tool—Preassessing Measurement Skills	120
8.3	IRC Conference Notes: Anecdotal Data	121
8.4	Plans for Student 3 for Next Quarter	127
9.1	Self-Checklist: Promoting Assessment for Learning	134
9.2	Question Quilt: Classroom Example	139
9.3	Seminar Plan	140
9.4	Metaphors for Teaching	152
10.1	Example of Classroom Assessment Task	164
10.2	Example of the Use of the Scientific Learning Cycle in Chemistry	169
11.1	Checklist of Grading Practices That Support Learning	187
11.2	Examining Current Grading Practices	194
11.3	Gradebook Format for Formative, Diagnostic, and Summative Scores	195

