

CONTENTS

Chapter One

AN INTRODUCTION TO EDUCATIONAL PSYCHOLOGY 1

About Teaching 2

Effective Teachers 4

Educational Psychology and Effective Teaching 11

Summary 14

IMPORTANT EVENTS IN THE HISTORY OF EDUCATIONAL PSYCHOLOGY 15

Part One

COGNITIVE PSYCHOLOGY APPLIED TO TEACHING 18

Chapter Two

AN INTRODUCTION TO COGNITIVE PROCESSES 20

The Nature of Cognitive Processes 22

A Model of Cognitive Processes 24

Metacognition: Thinking about Thinking 32

The Development of Cognitive Psychology 35

APPLICATIONS FOR TEACHING: A Cognitive Perspective on Student Learning 40
Summary 46

IMPORTANT EVENTS IN THE DEVELOPMENT OF COGNITIVE PSYCHOLOGY 49

Chapter Three

MEMORY AND CONCEPTS 52

Memory 53

APPLICATIONS FOR TEACHING: Enhancing Students' Memory 73

Categorizing Information: Concepts	75
APPLICATIONS FOR TEACHING: Improving the Teaching of Concepts	83
Organizing Personal Study to Improve Memory	87
Summary	89
IMPORTANT EVENTS IN THE STUDY OF MEMORY	92

Chapter Four

INTELLIGENCE AND COGNITIVE DEVELOPMENT	95
Psychometric Approaches to Intelligence	97
Information-Processing Approaches to Intelligence	103
Intelligence and the Nature/Nurture Question	106
A Developmental View of Intelligence: Jean Piaget	111
Implications for Teaching	126
APPLICATIONS FOR TEACHING: Piaget's Theory	128
An Information-Processing Approach to Cognitive Development	129
APPLICATIONS FOR TEACHING: Information-Processing Views	131
Summary	132
IMPORTANT EVENTS IN RESEARCH ON INTELLIGENCE	135

Chapter Five

LANGUAGE DEVELOPMENT	139
The Characteristics of Language	141
Development of Language	151
Continuing Language Development	159
Metalinguistic Awareness	166
Written Language	171
APPLICATIONS OF LANGUAGE DEVELOPMENT RESEARCH	173
Summary	175
IMPORTANT EVENTS IN THE STUDY OF LANGUAGE DEVELOPMENT	178

Chapter Six

READING AND WRITING	184
About Reading	185

Stages in Learning to Read	192	
APPLICATIONS FOR TEACHING: Guidelines for Enhancing Prereading Skills		194
APPLICATIONS FOR TEACHING: Guidelines for Teaching Beginning Reading		199
APPLICATIONS FOR TEACHING: Guidelines for Developing Comprehension		202
APPLICATIONS FOR TEACHING: Guidelines for Using Adjunct Aids		205
About Writing	207	
APPLICATIONS FOR TEACHING: Improving Students' Writing		210
Summary	212	
IMPORTANT EVENTS IN PSYCHOLOGICAL APPROACHES TO READING AND WRITING		214

Chapter Seven

PROBLEM SOLVING	221	
Problem Solving in Education	223	
A Definition of Problem Solving	224	
Historical Views of Problem Solving	228	
Methods of Solving Problems	241	
APPLICATIONS FOR TEACHING: Helping Students Become Problem Solvers		247
Summary	250	
IMPORTANT EVENTS IN PROBLEM-SOLVING RESEARCH		253

Chapter Eight

CREATIVITY	256	
The Definition of Creativity	257	
Components of Creativity	261	
The Creative Person	264	
Creativity, Intelligence, and Training	266	
A Glance at Assessing Creativity	267	
Teaching for Creativity	268	
APPLICATIONS FOR TEACHING: Helping Students Become More Creative		269
Summary	274	
IMPORTANT EVENTS IN RESEARCH ON CREATIVITY		276

Part Two

SELF-CONCEPT AND MOTIVATION 280

Chapter Nine

SELF-CONCEPT AND MORAL DEVELOPMENT 282

Establishing a Sense of Self — The Self-Concept 283

APPLICATIONS FOR TEACHING: The Development of Positive Self-Concepts 291

Moral Development 292

APPLICATIONS FOR TEACHING: Fostering Moral Development 303

Summary 304

IMPORTANT EVENTS IN PSYCHOLOGICAL THOUGHT ON MORAL DEVELOPMENT AND THE SELF 307

Chapter Ten

MOTIVATION 310

Maslow's Theory of Motivation 311

Aspirations and the Need for Achievement 317

Attribution Theory 320

APPLICATIONS FOR TEACHING: Motivation Theory in the Classroom 324

Summary 328

IMPORTANT EVENTS IN THE DEVELOPMENT OF CONTEMPORARY VIEWS OF MOTIVATION 330

Part Three

GUIDING CLASSROOM BEHAVIOR 338

Chapter Eleven

AN INTRODUCTION TO BEHAVIORAL PSYCHOLOGY 340

About Behavioral Psychology 341

Early Views of the Interaction of Stimulus and Response 343

Contemporary Views of Stimulus and Response	346
Summary	365
IMPORTANT EVENTS IN BEHAVIORAL PSYCHOLOGY	366

Chapter Twelve

SOCIAL LEARNING AND MODELING 371

Social Behavior	373
Social Learning Processes	378
APPLICATIONS FOR TEACHING: Instructional Goals and Observational Learning	386
APPLICATIONS FOR TEACHING: Social Goals and Observational Learning	387
The Ethical-Moral Dilemma	390
Summary	392

Chapter Thirteen

CLASSROOM MANAGEMENT 399

APPLICATIONS FOR TEACHING: General Principles of Classroom Management	400
Glasser's Approach to Problem Prevention	402
A Behavioral Approach to Problem Prevention	407
Some Specific Interventions for Managing Inappropriate Behavior	413
Behavioral Assessment and Classroom Management	423
Summary	426
IMPORTANT EVENTS IN THE HISTORY OF CLASSROOM MANAGEMENT	429

Part Four

EDUCATIONAL MEASUREMENT AND EVALUATION 436

Chapter Fourteen

PLANNING FOR MEANINGFUL LEARNING 438

Educational Goals	439
-------------------	-----

Instructional Objectives	441
Types of Objectives	445
Cautions in Using Objectives	455
Task Description	457
Task Analysis	460
Summary	471
IMPORTANT EVENTS IN INSTRUCTIONAL PLANNING AND TASK ANALYSIS	478

Chapter Fifteen

AN INTRODUCTION TO MEASUREMENT	480
Use of Measurement in Educational Settings	481
The Relationship of Measurement to Evaluation	488
Norm-Referenced and Criterion-Referenced Measures	492
Reliability and Validity of Measures	495
APPLICATIONS FOR TEACHING: Enhancing the Reliability of Your Measures	496
Choosing a Method of Measurement	504
Summary	505
IMPORTANT EVENTS IN THE DEVELOPMENT OF EDUCATIONAL MEASUREMENT	509

Chapter Sixteen

TEACHER-MADE TESTS	515
Testing	516
APPLICATIONS FOR TEACHING: Item Analysis	535
Observational Methods	537
Other Evaluation Methods	543
Grading	547
APPLICATIONS FOR TEACHING: Mistakes to Avoid When Grading	553
Summary	553
IMPORTANT EVENTS IN THE DEVELOPMENT OF TEACHER-MADE TESTS	558

Chapter Seventeen

STANDARDIZED TESTS	561
Characteristics of Standardized Tests	563

Ability Tests	569
Measures of Interests	573
Interpreting Scores on a Standardized Test	575
Professional Ethics and Standardized Tests	587
<i>APPLICATIONS FOR TEACHING: Ethical Test Use</i>	588
Summary	589
<i>IMPORTANT EVENTS IN THE DEVELOPMENT OF STANDARDIZED TESTS</i>	591

Part Five

THE SPECIAL NEEDS STUDENT 596

Chapter Eighteen

THE EXCEPTIONAL STUDENT	598
Individual Differences and Exceptionality	600
Categories of Exceptional Students	601
Bilingual Students	615
Programs for Handicapped Students	618
<i>APPLICATIONS FOR TEACHING: Working with Handicapped Students</i>	625
Summary	628
<i>IMPORTANT EVENTS IN WORKING WITH EXCEPTIONAL CHILDREN</i>	630
GLOSSARY	635
REFERENCES	646
INDEX	684