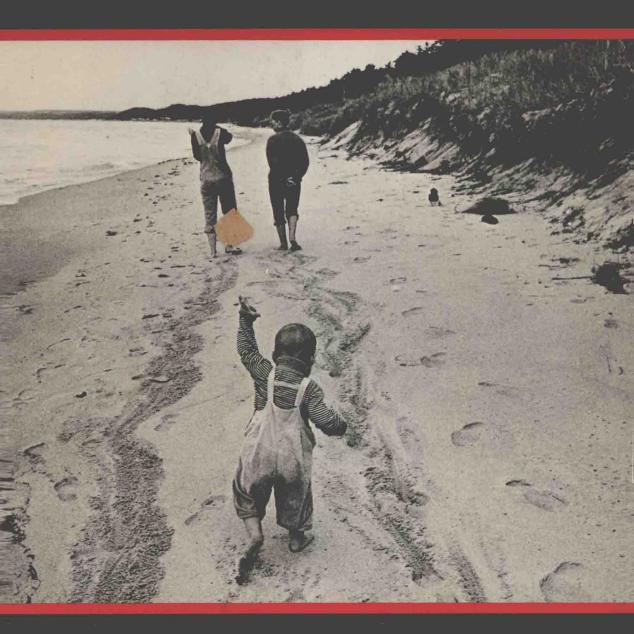
UNDERSTANDING DEVELOPMENT



Sandra Scarr · Richard A. Weinberg · Ann Levine

UNDERSTANDING DEVELOPMENT

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To our children: Brett and Eric

Karen, Phillip, Rebecca, and Stephanie who have taught us about human development from infancy to adulthood

and

about a species made up of distinctive individuals.

Thank you for growing up to be yourselves.

And to our spouses:

James Walker, Gail Weinberg, and Stacy Holmes Who could ask for anything more?

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Continued on page 639.

Developmental psychology is changing. Many books are still rooted in ideas that have been discarded in the mid-1980s. This textbook is based on current theory and research, in which two of the authors, Sandra Scarr and Richard A. Weinberg, are

participants. Most developmentalists have now accepted a cognitive view of complex learning, even while retaining a healthy respect for simple conditioning. Most espouse a biological view of the basic processes of development, grounded in the science of genetics and the theory of evolution, while crediting experience with an important facilitating role. They see social and emotional development both as an expression of the human developmental pattern, with all the variability that implies, and as a product of the individual's personal history of encounters with the social environment. They have discarded old dichotomies of nature and nurture, innate versus learned, body and mind in favor of an integrated view of how all of these factors work together to make our species human and individuals unique.

This text sets forth a modern synthesis that incorporates biological and social knowledge about every aspect of human development. We do not drop genetics after the first two chapters; nor do we ignore social events in the beginning chapters. Rather, the book weaves a coherent story for students about the biosocial wonders of human development from conception to adolescence.

Understanding Development is organized chronologically and topically. Each of the sections on infancy, the preschool years, middle childhood, and adolescence contains chapters on perceptual-cognitive development and social-emotional development, as well as a chapter on



another set of topics especially important to that phase of development. The section on early childhood includes a chapter on language; the section devoted to middle childhood contains a chapter on intelligence and creativity; the section covering ado-

lescence includes a chapter on physical growth and sexuality. By combining the "whole child" approach of a chronologically structured text with a topical organization within each period of development, this book reflects the best of both pedagogical worlds.

We have created a number of special aids to understanding development. Seven Profiles featured between chapters are in-depth interviews of prominent investigators by Ann Levine, not excerpts from previously published articles. We believe that these interviews offer students a unique opportunity to visit with some of the leading developmental psychologists in the field. Their accounts of how they became involved in their particular area, what they find most challenging about their work, and what interests them most today constitute a personalized, informal history of modern developmental psychology. Urie Bronfenbrenner recounts the multicultural childhood that led to his interest in human ecology; Robert McCall tells why he is devoting his time to communicating scientific findings to mass audiences: Mary Ainsworth describes how she "discovered" attachment and methods for studying its development: Willard Hartup makes an eloquent statement on the long-overlooked importance of peers in a child's development: John Flavell reevaluates Piaget's theory of cognitive development in light of his own and other contemporary research: Carol Gilligan explains the feminist critique of theories

of moral development; James Marcia describes how he devised empirical measures of Erikson's concept of identity and what he has found.

Boxed Insights offer case histories, crosscultural perspectives, commentary, and applications of ideas and topics discussed in the text. Important terms, highlighted in boldface type, are defined in the text and in a glossary at the end of the book. Each chapter contains a summary and an annotated list of suggested readings. Most chapters conclude with a Highlights Chart that gives an overview of developments in the area and age range covered in the chapter. The wall chart enclosed with each copy of the text is designed to help students visualize the intertwining threads of cognitive, socialemotional, and physical development, from conception to adulthood. The set of ethical standards for research with children published by the Society for Research in Child Development makes up the appendix.

The test file, study guide, and instructor's manual for *Understanding Development* focus on a grasp of the major concepts in the text as well as on factual knowledge.

Throughout, our goal has been to make sophisticated ideas easy to understand. We believe that students who are majoring in psychology and considering a career in the field will find the book informative and provocative. We also believe that students who are majoring in business, nursing, English, or another field and are taking developmental psychology as a required course or elective will come away with a deeper appreciation of children, parenthood, friendships, and cognition as these grow and change over the years.

This book arises from a fifteen-year collaboration between two of the authors, Sandra Scarr and Richard A. Weinberg, whose work in developmental behavior genetics and clinical research with schoolchildren, respectively, has produced more than thirty coauthored projects.

Understanding Development is a culmination of our joint thinking, discussions, and synthesizing of developmental psychology. In 1983 we began a fortunate association with writer Ann Levine, whose background in sociology has prompted us to direct more attention to social problems and practical applications.

We thank everyone at Harcourt Brace Jovanovich who helped to turn our dog-eared manuscript into an attractive, stylish book: Marcus Boggs, who supported this project enthusiastically from his first days in San Diego; Craig Avery, our hard-laboring manuscript editor; and the art and production staffs. Judith Greissman, the HBJ alumna who convinced us to write a textbook, has been friend and editor to all of us for many years. We thank Jerome Kagan, General Editor in psychology, for his helpful reviews of early drafts of the manuscript. And we thank the subjects of our profiles for their honesty, humor, insights, and advice.

Sandra Scarr Richard A. Weinberg Ann Levine

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CONTENTS



CHAPTER 1
THE ROOTS OF
DEVELOPMENTAL
PSYCHOLOGY

A Model of Development	9
A History of Childhood	10
The Discovery of Childhood	11
The Rise of Adolescence	11
The Science of Child-rearing	12
Developmental Psychology Comes of Age	15
The Age of Kids	18

PART ONE PRINCIPLES OF DEVELOPMENT

Contemporary Theories of Development	20
Psychobiological Approaches	20
INSIGHT: WHO IS FOR CHILDREN?	21
Behaviorist Approaches	22
Structuralist Approaches	24
Psychodynamic Approaches	25
Ecological Approaches	27
The Role of Theory	29
Contemporary Research Strategies	29
INSIGHT: SIMPLEMINDED VS. MUDDLEHEADED	30
Naturalistic Observation	31
The Experiment	32
Correlational Studies	33
INSIGHT: CORRELATIONS, NOT CAUSE AND EFFECT	34
Clinical Studies	35
Longitudinal vs. Cross-sectional Studies	36
The Plan and Themes of This Book	37
Mind-Body Dualism	39
Maturation vs. Experience	39
Heredity and Environment	39
The Human and Humans	40
Normal and Abnormal	41
Stages of Phases?	42
PROFILE: LIRIE BRONFENBRENNEP	45

CHAPTER 2 BECOMING HUMAN: HOW O	
AND ENVIRONMENTS WOR TOGETHER	50
What's in a Smile?	51
The Evolutionary Perspective	52
Ontogeny and Phylogeny	52
What Is Human Nature?	55
The Theory of Evolution	57
The Human Family Tree	58
The Role of Genes in Evolution	58
INSIGHT: THE MECHANISMS OF HEREDITY	60

Genetic Influences on Development	62
Genotypes and Phenotypes	62
Gene Action	63
Genes and Human Development	65
Environmental Influences on Development	67
What "Environment" Means	67
The Essentials: Loving Care	69
Early Experience	71
INSIGHT: RECOVERY FROM ABUSE AND NEGLECT	72
What Is a Normal Environment?	73
INSIGHT: THE GARCIA EFFECT	76
How People Shape Their Environments	77
	10000000







CHAPTER 3 FROM FETUS TO NEWBORN	84
	95
The First Nine Months	85
Conception	86
The Embryo	86
INSIGHT: THE BRAVE NEW WORLD OF	97
HIGH-TECHNOLOGY FERTILIZATION	87
The Fetus	90
Boy or Girl?	93
Genetic Hazards	95
Environmental Hazards	98
INSIGHT: PRENATAL DIAGNOSIS AND TREATMENT	
OF DEFECTS	100
INSIGHT: OLD AND NEW WIVES' TALES	102
How Genes and Environments Interact	102

Birth	104
Medical Problems and Procedures	106
The Newborn	108
What Newborns Can Do	108
Newborn Assessment	110
Newborns at Risk	111
What Babies Perceive	113
How Babies Learn	115
Who Influences Whom?	116
INSIGHT: A SCIENTIST AS FATHER	118
The Bonding Controversy	119
Individual and Sex Differences	120
Care of the Newborn	121
PROFILE: ROBERT B. McCALL	128





PART TWO INFANCY 82

CHAPTER 4 THE BEGINNINGS OF MIND	132	CHAPTER 5 THE SOCIAL ANIMAL	172
Studying Cognitive Development: Three		Infant Temperament	174
Approaches	134	The New York Longitudinal Study (NYLS)	174
Psychometrics	134	Temperament and Experience	177
Piaget's Theory	134	"His Father's Temper"	178
Information Processing	135	Is Temperament Stable?	178
Perceptual Development	136	INSIGHT: INFANT BEHAVIOR AND MATERNAL CARE	
Using One's Senses	138	IN JAPAN AND THE UNITED STATES	180
Memory and Learning	140	A Critique of the NYLS	181
Maturation, Experience, or Both?	141	INSIGHT: CHILD ABUSE: MOTHERS AND INFANTS	
Motor Development	143	AT RISK	182
INSIGHT: CRIB DEATH: A COGNITIVE VIEW	144	Emotional Development	183
Body and Brain	144	Do Infants Have Emotions?	183
Standing on Two Feet	145	Joy and Laughter	185
Developing Finesse	145	Fears	186
The Sensorimotor Stage: The Dawn		Reading Faces and Voices	187
of Awareness	148	Theories of Emotional Development	188
Cognition as Adaptation	149	Learning Theory	189
Substages of Sensorimotor Development	150	Ethological Theory	189
INSIGHT: THE IMITATION CONTROVERSY	153	Cognitive Theory	191
The Object Concept	155	A Synthesis	192
The Infant's Construction of Reality	158	Social Development	194
The Search for Infant IQ	159	Attachment in Other Species	195
The Bayley Scales of Infant Development	159	The Development of Attachment in	
Assessing Infant Intelligence Tests	160	Human Infants	195
Individual Variations and Species		Variations in Attachment	196
Similarities	161	A Critique of Attachment Theory	198
Genetic Influences	161	INSIGHT: THE IMPORTANCE OF MOTHER:	
Environmental Influences	161	A FREUDIAN VIEW	199
INSIGHT: THE SUPERBABY SYNDROME	163	Mother Love: Myths and Facts	200
An Evolutionary View of		Fathers and Other Playmates	202
Sensorimotor Intelligence	165	Day-Care: The Pros and Cons	203
Cognitive Motivation: Intelligence		The Beginnings of Self-Awareness	206
and Affect	166	PROFILE: MARY D. AINSWORTH	210
Highlights of Physical and Cognitive Development, Birth to 24 Months	170	Highlights of Social and Emotional Development, Birth to 24 Months	214



pure and a superior in the contract of the second of the superior second of the second	
CHAPTER 6 LEARNING ABOUT THE WORLD	218
" Y " " " " " " " " " " " " " " " " " "	210
From Action to Symbol: The Preoperational Stage	220
Intuition	222
Egocentrism	222
Magical Thinking	223
Centering	224
INSIGHT: THE MEANING OF SANTA CLAUS	226
Appearance vs. Reality	227
Concrete vs. Abstract Thinking	228
How Young Children Think: Information Processing	230
Attention	230
Memory	232
INSIGHT: AMNESIA FOR EARLY CHILDHOOD	233
Performance vs. Competence	234
The Thinker and the Doer: Perceptual and Motor Development	236
The Drawing: A Window to the Preschooler's World	239
Ready, Set, Learn: Early Education	242
Getting an Early Start	243
Project Head Start	243

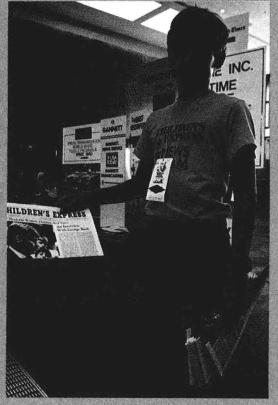
INSIGHT: "SESAME STREET": THE VIDEO EXPERIMENT	244
Conflicting Report Cards	245
The Readiness Debate	246
Child's Play	249
What Is Play?	249
Types of Play	250
Make-Believe	251
The Role of Play in Development: A Proposal	253
INSIGHT: MAKE-BELIEVE IN CROSS-CULTURAL PERSPECTIVE	254
The Drive for Competence	255
Highlights of Cognitive and Related Development in the Preschool Period	258

PART THREE THE PRESCHOOL PERIOD 216

CHAPTER 7 COMMUNICATING WITH LANGUAGE	260	CHAPTER 8 BECOMING A MEMBER OF THE CULTURE	298
Language and Communication	262	Developing Social Competence	200
Billing and Cooing: The Basics of		Social Competence	299 300
Communication	262		301
A Definition of Language	263	Identification	302
Aping Conversation	265	The Home Front	304
Phonology: From Sound to Sense	266		304
Prespeech	267	Three Styles of Child-rearing	305
First Words	269		306
The Fis Phenomenon	270		306
Syntax: From Words to Sentences	270		307
INSIGHT: A NEW LOOK AT STUTTERING	271	INSIGHT: " AND BABY MAKES FOUR"	308
Putting Words Together	271	Monkey Business	309
How Do They Do It?	273	Give-and-Take	310
Semantics: From Names to Ideas	275	Peers As Models	311
First Meanings	276	Sex Roles and Gender Identity	312
Concept Development	279	Sex Differences: Fiction and Fact	
Production vs. Comprehension	281	Cross-Cultural Perspective	312
INSIGHT: CRIB MONOLOGUES	282	INSIGHT: COMMUNAL CHILD-REARING	313
Pragmatics: From Speech to Conversation	900	"Like Father, Like Son": Family Influences	317
The Emergence of Social Intent	283	Social Play and Social Pressure	319
"Motherese": How Adults Talk to	283	Gender Identity: A Cognitive View	320
Small Children	284	Aggression: Domesticating the Human Animal	322
How Important Is Modeling and Tutoring?	286	The Development of Aggression	322
Parallel Talk: How Children Talk to Children	287	"Boys Will Be Boys": Sex Differences	324
INSIGHT: THE GESTURAL "LANGUAGE"		Dominance Hierarchies: An Ethological View	325
OF DEAF CHILDREN	288	Words As Weapons: A Cognitive View	325
Bilingualism: Liability or Asset?	291	INSIGHT: SOCIALIZATION TO AGGRESSION	327
Highlights of Language Development in		Aggression and Play: Drawing the Line	328
he Preschool Period	296	Prosocial Behavior: The Beginnings of Conscience	
Ho Ho Da		The Development of Empathy	328
HV / 1/2 COTY COTY COTY		Teaching Prosocial Behavior	328
a comment		PROFILE: WILLARD HARTUP	330
			333
		Highlights of Social and Emotional Development in the Preschool Period	338

CHAPTER 9 THE INTELLECTUAL	
REVOLUTION OF MIDDLE	
CHILDHOOD	342
Biological Explanations of the	
5-to-7 Shift	343
The Concrete Operational Stage: Becoming a Logical Thinker	346
Conservation: The Cornerstone	347
Putting Two and Two Together: Classification	349
Getting Things in Order: Seriation	351
A Critical Review of Piaget	352
The Sequence of Development	352
INSIGHT: ARE CONCRETE OPERATIONS UNIVERSAL	353
Consistency within Stages	354

Teaching Cognitive Skills	355
Information Processing in Middle Childhood	356
Paying Attention	357
Remembering to Remember	357
Problem-Solving Skills	361
INSIGHT: COMPUTER LITERACY	362
The Child's Everyday World	366
Asking Questions	366
The Games Children Play	368
Tickling the Funny Bone	369
First Grade	371
INSIGHT: SCHOOL DAZE: HYPERACTIVITY	372
PROFILE: JOHN H. FLAVELL	376
Highlights of Cognitive and Related Development in Middle Childhood	380





PART FOUR THE MIDDLE CHILDHOOD YEARS

CHAPTER 10 INTELLIGENCE AND CREATIVITY	382	CHAPTER 11 THE SOCIAL WORLDS OF CHILDHOOD	422
The Evolution of Intelligence	383	Becoming a Student	423
The Age of Dinosaurs	384	The School as a Small Society	423
The Rise of Mammals	384	Teaching Styles	424
The Primate Path	384	Teachers' Pets	425
Human Intelligence Today	385	Social Class and the Classroom	426
What Is Intelligence?	386	Peers and Pals	427
The Nature of Intelligence: "Lumpers" and "Splitters"	387	Friendships Popularity: "Stars," "Isolates," and "Rejects"	427
Intelligence as Adaptive Information Processing	388	Friendless Children	430
INSIGHT: "FRAMES OF MIND"	389	Groups and Gangs	431
Cognitive Style and Tempo	392	INSIGHT: "WHAT MY GRANDMOTHER ALWAYS KNEW"	432
Creativity: Unique or Universal? The Trait Approach	395 395	Competition and Cooperation, Sportsmanship and Scholarship	433
The Process Approach The Artist and the Child	397 397	INSIGHT: TEACHING CHILDREN HOW TO MAKE FRIENDS	434
Measuring Intelligence	399	Ecological Perspectives	437
The Making of Intelligence Tests	399	Children and Their Families	439
What IQ Tests Do (and Do Not) Measure	403	Parent-Child Relations: Coregulation	439
Individual Differences in IQ	405	INSIGHT: HOW CHILDREN SPEND THEIR TIME	440
Race and IQ	407	Different Family Lifestyles	442
INSIGHT: THE POLITICS OF INTELLIGENCE TESTING	410	Brothers and Sisters	446
Testing for Children: Some Alternatives	412	And the Family Pet	448
Exceptional Children	413	TV or Not TV?	448
The Mentally Retarded	413	Models of Aggression	449
INSIGHT: ABILITY VS. EFFORT: CROSS-CULTURAL		A Good TV Diet	450
VIEWS OF ACHIEVEMENT	414	Who Is Responsible?	451
The Gifted	417	Highlights of Social Development in Middle Childhood	454





CHAPTER 12 COMING OF AGE	456
COMING OF AGE	450
Becoming a Person	458
"Who Am I?"	458
"Where Do I Belong?"	460
INSIGHT: HOW CHILDREN FEEL ABOUT THEIR LIVES	461
"What Am I Worth?"	462
Seeing It Someone Else's Way	466
Cognitive Role-taking	466
Affective Role-taking	468
"Why Is He Doing That?"	469

Learning Right from Wrong	470
Why People Behave Morally	470
Piaget on Moral Judgment	472
Kohlberg on Moral Reasoning	473
INSIGHT: MORAL REASONING IN DIFFERENT CULTURES	478
Moral Development in Females: A Different Voice?	479
Doing "Right" vs. Thinking "Right"	481
Conformity: Peers vs. Parents?	483
INSIGHT: GROWING UP WITH THE NUCLEAR THREAT	483
PROFILE: CAROL GILLIGAN	488
Highlights of Psychological and Moral Development in Middle Childhood	492









PART FIVE ADOLESCENCE TO ADULTHOOD

CHAPTER 13 LET'S GET PHYSICAL: GROWTH, PUBERTY, AND SEXUALITY	496
The Adolescent Growth Spurt	498
The Primate Pattern	498
Getting Bigger and Bigger: Growth Trends	500
Shoulders, Hips, and Sexual Dimorphism	501
Sexual Development	501
INSIGHT: THE FEMALE ATHLETE	504
Individual Variations in Growth and Puberty	505
Some Consequences of Physical Growth	506
Self-Evaluations: Am I OK?	507
Popularity	507
Early and Late Maturers	507
The Development of Sexuality	509
Infant Sexuality: Myth or Fact?	510
The Role of Early Sensual Experience	512
Cultural Scripts	513
Sexual Attitudes and Preferences	514
Masturbation	514
Heterosexual Behavior	515
Homosexuality	516
How Important Is Sex?	516
Love Is Not Sex (and Vice Versa)	516
Personal Standards	517
Attitudes vs. Behavior	518
Gender Differences in Romance	518
Sexual Histories	520
First Experiences: Pride and Conflict	520
Contraception	521
Pregnancies: Unwanted and Wanted	522
INSIGHT: UNPLANNED PARENTHOOD	523
Families, Present and Future	524
Body and Behavior	526
Highlights of Physical and Sexual	020
Development in Adolescence	528

CHAPTER 14 ADOLESCENT THINKING	530
Becoming a Scientific Thinker	532
The Real and the Possible	532
Hypotheses and Deductions	533
"Pure Logic"	535
INSIGHT: LOGIC ADULT-STYLE	536
Correlations	537
INSIGHT: THE MATH GAP: EXPLAINING SEX DIFFERENCES	538
Updating Piaget	539
Wishful Thinking?	540
Cultural Variations	541
An Alternative Model	543
Beyond Formal Operations	544
Thinking about Society	545
Political Ideals	545
Legal Understanding	545
Idealism and Alienation	546
Cross-Cultural Differences	547
Paths to Adulthood in Traditional Societies	548
Adolescence in Western Societies	548
Ego Identity: Thinking about Oneself	549
INSIGHT: RELIGIOUS CONVERSION	550
"Who Am I?" Revisited	551
Identity Statuses	553
INSIGHT: RESPONSES TO AN IDENTITY INTERVIEW	556
Prerequisites for Identity	557
Identity and Intimacy	557
Identity and Morality	558
The Female Pattern: Intimacy and Identity	558
PROFILE: JAMES MARCIA	562
Highlights of Cognitive Development and Identity Formation in Adolescence	566

Affilia citi de la compania del compania del compania de la compania del la compania de la compania della compa	
CHAPTER 15 ADOLESCENTS AND	
SOCIETY	568
Social Relations in Adolescence	571
Cliques and Crowds	571
Friendships: His and Hers	573
Families: Aggravation and Approval	573
The Generation Gap: Fact or Fiction?	576
High School	577
Problems in Identity Formation	580
Delinquency: Going Through a Phase or Going Wrong?	580
Drugs, Legal and Illegal	584
INSIGHT: SMOKING PREVENTION	585
Psychopathology: Delusions and Despair	587
INSIGHT: CHLOROSIS: THE SOCIAL HISTORY OF A FEMALE DISORDER	591
Adolescence in Historical Perspective	592
Children of the Depression	592
The Youth Movement of the 1960s and 1970s	592
Storm and Stress for Some	596
Middletown Revisited	596
Highlights of Social Development in Adolescence	600
Appendix	602
Glossary	604
References	610
Copyrights, Acknowledgments,	
and Illustration Credits	639
Name Index	642
Subject Index	648



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