

Contents

	<i>List of Figures</i>	page xi
	<i>List of Tables</i>	xiii
	<i>Preface</i>	xv
1	Introduction	1
	Developments in Music and Musical Engagement	1
	Technological Developments and Their Effects	2
	Personal Music Listening and Control	5
	Advances in Developmental Psychology and Music Psychology	6
	The Current State of Research in Developmental Psychology and Education	6
	The Growth and Diversification of Music Psychology	9
	Aims and Plan of the Book	11
2	Musical Development: Theoretical Models, Approaches, and Issues	14
	Theoretical Models of Musical Development	15
	Developmental Stage/Phase Models	15
	<i>Swanwick and Tillman's 'Spiral' Model</i>	16
	<i>Hargreaves and Galton's 'Phase' Model</i>	18
	Music Learning and Cognition	22
	<i>Serafine's Model of 'Music as Cognition'</i>	22
	<i>Gordon's Music Learning Theory</i>	23
	Symbol Systems: Gardner and Harvard Project Zero	25
	Music Theory: Ockelford's 'Sounds of Intent' Model	28
	Social Approaches to Musical Development and Some Emerging Models	31
	<i>Sociocultural Approaches</i>	31
	<i>Ecological and Transactional Approaches</i>	35
	<i>Social Cognitive Approaches</i>	39
	Neuroscientific Studies of Music	45
	Theoretical Issues	50
	The Biological and the Social	51
	Musical Production, Perception, Performance, and Representation	52
	<i>Creativity and Imagination in Music Listening</i>	53

	Developmental Progression	53
	Domain-Specificity	54
	Normative and Expert Development	55
	Conclusion	57
3	Cognition, Perception, and Learning	58
	The Origins of Music Perception	58
	Development of Perceptual and Cognitive Skills	59
	Measurement and Assessment of Early Perception and Cognition	60
	Pitch, Tonality, Melody, and Harmony	64
	Absolute and Relative Pitch	65
	Consonance and Dissonance	67
	Pitch Relationships: Scales, Key Membership, and Harmony	68
	Effects of Music Training on Pitch Representations	71
	Absolute Pitch as a Cognitive Capacity?	73
	Pitch and Pitch Relationships in Adulthood	75
	Pitch Relations: Summary	76
	Tempo, Timing, Rhythm, and Metre	77
	Timbre	81
	Combining Musical Elements	83
	Combinations of Elements: Musical Structure and Form	84
	<i>Melody in Combination with Other Musical Elements</i>	84
	<i>Memory for Real Music: Melody, Harmony, Structure</i>	88
	<i>Representations of Music</i>	89
	Musical Style	93
	Creativity and Music-Making	94
	The Roots of Musical Creativity	94
	Development of Music-Making: Composing	95
	Development of Music-Making: Improvising	99
	Conclusion	101
4	Social Development	103
	Sociological Approaches	103
	Theories of Social Development in Music: Social and Sociocultural Approaches	107
	Piaget, Vygotsky, and Social Interaction	107
	Cultural-Historical Activity Theory	109
	Developmental Research across the Lifespan	112
	Infancy and Early Childhood	113
	Middle and Later Childhood	117
	<i>Musical Creativity and Peer Collaboration</i>	118
	<i>Assessment of Creativity and Musicianship</i>	122

	Adolescence	127
	<i>Social Identity Theory</i>	129
	<i>Cultural Psychology</i>	132
	Adulthood and Later Life	135
	Conclusion	138
5	Environmental Influences on Ability, Achievement, and Motivation	140
	Musical Ability and Its Development	141
	What Is Musical Ability, and Can It Be Measured?	141
	Is Everyone Musical?	142
	‘Natural Talent’ or Practice?	144
	Practice	149
	Motivation	152
	Two Large-Scale Studies	157
	The Keele-Exeter Study: Biographical Determinants of Musical Excellence	158
	The Sydney Longitudinal Study	160
	Summary: Explaining the Effects of Specific Environmental Influences	167
	Music Education and Musical Development	169
	Music Education in England, 2000–	169
	Contexts	172
	Aims and Objectives	175
	Teaching and Formal-Informal Learning	177
	Conclusion	181
6	Identity, Personality, and Lifestyle	183
	Defining and Explaining Self and Identity	184
	Musical Identities	187
	What Is Music, and Who Are Musicians?	187
	Musical Identities as Social and Performative	189
	An Ethical Dimension of Musical Identities	190
	Development of Musical Identities	191
	Individual Differences in Musical Identities	196
	Musical Identity and Personality	197
	Musical Identity and Lifestyle	199
	Musical Identities in Education	202
	A ‘Problem of Secondary School Music’?	202
	Musical Identities in Pupils and Teachers	204
	Agency and Technology	205
	Conclusion	208
7	Affect and Emotion	210
	Introduction to Affect and Emotion	210

	Theorising Affect from an Ontological Perspective: Juslin's BRECHEMA Framework	211
	<i>Brain Stem Response</i>	211
	<i>Rhythmic Entrainment</i>	212
	<i>Emotional Contagion</i>	214
	<i>Visual Imagery</i>	215
	<i>Musical Expectancy</i>	216
	<i>Evaluative Conditioning</i>	217
	<i>Episodic Memory</i>	221
	<i>Aesthetic Response</i>	224
	Explaining Age-Related Developments in Musical Preference	227
	Mapping Changes in Age-Related Preference	229
	<i>Developing Interest in Music</i>	230
	<i>Developing Style Preferences</i>	231
	Modelling Changes in Age-Related Preference	234
	What Purposes Does Liking Music Serve across the Lifespan?	237
	Social Bonding, Friendship, and Relationships	237
	Mood Regulation	239
	Conclusion	243
8	Wellbeing and Health	245
	Theories of Health and Wellbeing	245
	Health	245
	Wellbeing	247
	Ageing and Lifespan Development	250
	Approaches to Health and Wellbeing in Music Listening	252
	Effects of Music Listening on Physical Health and Wellbeing	252
	Effects of Music Listening on Mind and Cognition	255
	Effects of Music Listening on Psychological Health and Wellbeing	257
	Effects of Music Listening on Social Health and Wellbeing	260
	Approaches to Wellbeing in Making Music	261
	Effects of Making Music on Physical Health and Wellbeing	262
	Effects of Making Music on Mind and Cognition	264
	Effects of Making Music on Psychological Health and Wellbeing	268
	Effects of Making Music on Social Health and Wellbeing	272
	Comparisons between Active and Passive Musical Engagement	275
	Conclusion	276
9	Afterword	278
	<i>References</i>	285
	<i>Index</i>	341