## Contents

	List of figures	xi
	List of tables	xiii
	List of contributors	xvi
	Foreword, with acknowledgements  Barry Lord and Gail Dexter Lord	xxiv
CHAPTER 1	INTRODUCTION: THE EXHIBITION PLANNING PROCESS Gail Dexter Lord	1
PART I	WHY?	9
CHAPTER 2	THE PURPOSE OF MUSEUM EXHIBITIONS  Barry Lord	11
2.1	Exhibitions as a Function of Museums	12
2.2	Museum Exhibitions as the Communication of Meaning	15
2.3	Modes of Exhibition Apprehension	19
	Case Study 2.1:	23
	Exhibitions at the Corning Museum of Glass: Combining Modes of Visitor Apprehension  David Whitehouse	
CHAPTER 3	WHERE DO EXHIBITION IDEAS COME FROM?	27
3.1	Research-based and Market-driven Exhibitions Barry Lord	27
3.2	Planning for Exhibition Research Barry Lord	29
3.3	Exhibition Ideas: Integrating the Voices of Communities and Audiences Margaret May	32
	Case Study 3.1:	35
	HuupuKwanum•Tupaat: Out of the Mist, Treasures of the Nuu-chah-nulth Chiefs Royal British Columbia Museum, Victoria Martha Black	



CHAPTER 4	HOW WILL WE KNOW WHEN WE GET THERE? EXHIBITION EVALUATION	39
4.1	The Role of Market Analysis Kate Sellers	39
4.2	Before, During and After: Front-end, Formative and Summative Evaluation <i>Duncan Grewcock</i>	44
	Case Study 4.1:	54
	Evaluation for a permanent exhibition about the work of conservators Caught in Time at National Museums and Galleries on Merseyside Anne Pennington	
4.3	Qualitative and Quantitative Audience Research Barbara Soren	58
PART II	WHERE?	
	Space and Facilities for Exhibitions	67
CHAPTER 5	PLANNING AND DESIGNING EXHIBITION FACILITIES	69
5.1	Developing Design Criteria for Exhibition Space Heather Maximea	73
	Case Study 5.1:	74
	Design Criteria:The International Glass Museum, Tacoma, Washington Heather Maximea	
5.2	Projecting Display Space Requirements  Heather Maximea	76
	Case Study 5.2:	86
	Visible Storage at the Museum of Anthropology (MOA), University of British Columbia, Vancouver, Canada Heather Maximea	
5.3	Behind the Scenes: Support Activities and Facilities  Heather Maximea	90
5.4	Access, Adjacency and Circulation  Heather Maximea	98
5.5	Preserving Collections in Exhibitions  Murray Frost	110
5.6	Security and Public Safety in Exhibitions Peter Osborne	124
5.7	Exhibition Accessibility Kristin Johnson	134

CHAPTER 6	EXHIBITION GALLERIES	143
<i>(</i> 1	Heather Maximea	111
6.1	Galleries for Art or Archives	144
6.2	Galleries for Artefacts or Specimens	148
6.3	Children's Museum and Science Centre Galleries	153
6.4	Study Spaces	158
6.5	Multi-purpose Public Spaces	159
	Case Study 6.1:	160
	One New Kind of Gallery: Discovery Libraries at the Denver Art Museum Patterson B Williams	
	Case Study 6.2:	164
	Alaska Native Heritage Center: 'A Gathering of Traditions', Anchorage, Alaska Heather Maximea	
6.6	Light and Colour in the Galleries	166
6.7	Gallery Structure	172
6.8	Materials and Finishes	185
CHAPTER 7	GALLERY FACILITIES AND EQUIPMENT	197
7.1	Display Cases Till Hahn	198
7.2	Lighting Kevan Shaw	207
7.3	Audio-Visual Hardware  Barry Crean	214
7.4	Multimedia: Enhancing the Experience  Maria Piacente	222
7.5	Advanced Media in Museum Exhibitions  Hugh A D Spencer	234
	Case Study 7.1:	236
	Multimedia Investment Strategies at the Minneapolis Institute of Arts: Preparing for the Inevitable 'Tomorrows' Scott Sayre	
	Case Study 7.2:	247
	The Feast of a Thousand Years at the Ename Provincial Museum, Belgium	
	Marie-Claire Van der Donckt and Dirk Callebaut	

PART II	11	HOW?	
		The Exhibition Development Process	259
CHAPTER	8	PLANNING AND MANAGING AN EXHIBITION PROGRAMME	261
8.	8.1	Permanent Collection Display Barry Lord	262
		Case Study 8.1:	268
		Odyssey: A Journey into World Art at the Peabody Essex Museum, Salem, Massachusetts William Phippen	
8	8.2	Planning and Managing Temporary Exhibitions Barry Lord	276
		Case Study 8.2:	288
		African Zion: From Temporary to Permanent at the Walters Art Gallery, Baltimore  Gary Vikan	
	8.3	Travelling Exhibitions Barry Lord	290
		Case Study 8.3:	293
		The Treasures to Go Travelling Exhibitions Tour, Smithsonian American Art Museum, Washington, DC Elizabeth Broun	
8	8.4	Educational and Other Public Programmes for Exhibitions Kathleen Brown	297
CHAPTER	9	FINANCIAL PLANNING AND MANAGEMENT OF EXHIBITIONS	317
	9.1	Developing an Exhibition Budget Template  Martha Morris	318
	9.2	Financial Planning and Management of a Temporary Exhibition Programme Robert Scott	338
CHAPTER	10	CURATORSHIP IN THE EXHIBITION PLANNING PROCESS John Nicks	345
	10.1	Formulating the Exhibition Concept	346
	10.2	Curatorial Research	346
		Case Study 10.1:	348
		Making and Meaning: Turner's <i>The Fighting Temeraire</i> at the National Gallery, London <i>Michael Wilson</i>	
	10.3	Collection Evaluation, Selection and Development	353

	10.4	Documentation	354
	10.5	Conservation	355
	10.6	Preparation of the Exhibition Brief	356
CHAPTER	11	INTERPRETATIVE PLANNING	373
		Hugh A D Spencer	
	11.1	The Communication Process	373
	11.2	The Logistical Process	376
	11.3	The Interpretative Planning Process	377
		Case Study 11.1:	387
		Making the Earth Move for You: the Earth Galleries at the Natural History Museum, London Robert M Bloomfield	
CHAPTER	12	EXHIBITIONTEXT	393
	12.1	Balancing Perspectives in Exhibition Text Hugh A D Spencer	394
	12.2	Exhibition Text Guidelines Hugh A D Spencer	398
	12.3	Including Text in the Exhibition Process  Hugh A D Spencer	400
	12.4	The Language of Multimedia  Maria Piacente	402
CHAPTER	13	THE ROLE OF THE EXHIBITION DESIGNER Yves Mayrand	405
	13.1	Criteria for Effective Museum Exhibition Design	405
		Designing the Space for a Museum Exhibition	409
		Designing Exhibitions for the Whole Sensorium	411
		The Exhibition Design Process	412
		Case Study 13.1:	421
		A Walk Past Time: Architecture, Evolution and the Tree of Life: the renovation and re-interpretation of the American Museum of Natural History Fossil Halls Ralph Appelbaum	
CHAPTER	14	CONSTRUCTION AND INSTALLATION Chuck Sutyla	425
	14.1	Organising the Museum for Exhibition Construction and Installation	426
	14.2	Contracting the Construction and Installation	426

CHAPTER	18	MUSEUM EXHIBITIONS IN THE 21ST CENTURY Kevin Gosling	469
PART I	<b>v</b>	WHAT NOW?	467
		Shop Susan Dunlop	
		Van Gogh: Face to Face at the Detroit Institute of Art: Planning the Exhibition	
		Case Study 17.1:	465
	17.4	Products Related to Temporary Exhibitions	461
	17.3	Beyond the Museum Shop	459
	17.2	Merchandise Mix	457
	17.1	Retail Research	455
CHAPTER	17	EXHIBITION RETAIL Susan Dunlop	455
		The Roald Dahl Children's Gallery: Project Management at Buckinghamshire County Museum  Colin Dawes and David Erskine	
		Case Study 16.1:	450
	16.5	Warranty Period: Operation and Maintenance	448
		Commissioning and Completing the Exhibition Project	447
	16.3	Attributes of a Successful Exhibition Project Manager	447
	16.2	Documentation	445
	16.1	Project Management Tools	444
CHAPTER	16	THE ROLE OF THE PROJECT MANAGER Chuck Sutyla	443
		Lighting the Scotland in History Exhibition at the Museum of Scotland, Edinburgh Kevan Shaw	
		Case Study 15.1:	440
CHAPTER	15	LIGHTING THE SHOW Kevan Shaw	437
		Testing Exhibits During Construction for the Kirby Science Discovery Center, Sioux Falls, South Dakota  Erich Zuern	
		Case Study 14.1:	433

Case Study 18.1:	475
Questioning Scientific Authority: A Question of Truth at the Ontario Science Centre, Toronto, Canada Hooley McLaughlin	
Case Study 18.2	479
The Grande Galerie de l'Evolution Muséum National d'Histoire Naturelle, Paris Patrick Blandin	
Case Study 18.3:	483
Follow the North Star at Conner Prairie, Indiana: A Case Study in Controversial Programming Stephen L Cox	
Case Study 18.4:	487
Enchanted Worlds: A Presentation at the museum of Ethnology, Rotterdam for Children on Multicultural Society Fred Wartna	
Case Study 18.5:	491
Art on Tyneside at the Laing Art Gallery, Tyne and Wear Museums, Newcastle	
Upon Tyne John Millard	
GLOSSARY	497
ANNOTATED BIBLIOGRAPHY Brad King	511
INDEX	523