Contents

		ΧV
	Visual tour (how to use this book)	vii
1		1
-	Focused visual attention 160	÷
	Introduction 1	
	Cognitive psychology 2	
	Cognitive neuropsychology 5	
	Cognitive neuroscience: the brain in action 10	
	Computational cognitive science 23	
	Comparisons of major approaches 29	
	Outline of this book 31	
	Chapter summary 31	
	Further reading 33	
PAR	T phiext effects 383	
Visu	ial perception and attention 3	5
	Learning, memory and forgetting solon systems oving of	
	Chapter summary 400	
2		7
	Introduction 37	
	Landundo, camprobancios	
	Two visual systems: perception and action 48	
	Colour vision 56 and green deponds animas.	
	Depth perception 62	
	Perception without awareness 71 months and gaining and	
	Chapter summary 78 memory capticity validimus ratgation	
	Further reading 80 Martines 429 920 gnibes reading	
3	GT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
3	Object and race recognition seek from the seek of	-
	Introduction 81 18 notice and	
	Pattern recognition 82 265 yromem evitamalos (
	Perceptual organisation 85	
	Approaches to object recognition 89	
	Face recognition 101 286 Violentine memory 286	
	1 dec recognition 101	

	Visual imagery 113		
	Chapter summary 118		
	Further reading 120		
4	Perception, motion and actio	n 1	21
	Introduction 121		
	Direct perception 122		
	Visually guided action 125		
	Planning-control model 131		
	Perception of human motion 136		
	Change blindness 142		
	Chapter summary 152		
	Further reading 153		
5	Attention and performance		55
	Introduction 155		
	Focused auditory attention 156 Focused visual attention 160		
	Disorders of visual attention 171		
	Visual search 176		
	Cross-modal effects 183		
	Divided attention: dual-task performa	once 187	
	Automatic processing 196	Computational cognitive science	
	Chapter summary 204		
	Further reading 206	Outline of this book 31	
PAR	T II		
Men	nory	2	07
		RT I	
6	Learning, memory and forget	wal perception and attent	09
		5	03
	Introduction 209		
	Architecture of memory 209		
	Working memory 214	Introduction -37 Vision and the brain 37	
	Working memory capacity 227		
	Learning through retrieval 232		
	Implicit learning 235 Forgetting from long-term memory	242 Perception without awarer 242	
	Chapter summary 257	Chapter summary 78	
	Further reading 259		
	Turther reading 237		
7	Long-term memory systems		64
17	Long-term memory systems	2 Object and race recogni	OT
	Introduction 261		
	Declarative memory 265		

Semantic memory 276 www.moltingoom.tosido of residenting A

Episodic memory 270

Non-declarative memory 286

	Beyond declarative and non-declarative Chapter summary 299 Further reading 301	Theories of speech production	
8	Everyday memory 284	8 Writing: the main processes	03
	Introduction 303		
	Autobiographical memory: introduction	Chapter summary 4305	
	Memories across the lifetime 310	Further reading 498 coc	
	Theoretical approaches to autobiographi	ical memory 314	
	Eyewitness testimony 321		
	Enhancing eyewitness memory 328		
	Prospective memory 330		
	Theoretical perspectives on prospective	memory 336	
	Chapter summary 342		
	Further reading 344		
	Consciousness #VC D		
PAR	William CD7		
	guage and consciousness one 122	Problem-solving strategies	45
	A sourcing of consciousness one 155	Analogical problem solving	
	Charles and the control of the contr	Expertise 527 Sansages	
9	Reading and speech perception		53
	Introduction 353		
	Reading: introduction 354		
	Word recognition 357		
	Reading aloud 361		
	Reading: eye-movement research 371		
	Speech perception: introduction 376		
	Listening to speech 379		
	Context effects 383		
	Theories of speech perception 386		
	Cognitive neuropsychology 397		
	Chapter summary 400		
	Further reading 402		
10	Language comprehension	Complex decision making 4 Chapter summary 585	03
TO	Language comprehension	Further reading 587	03
	Introduction 403	Loc Sumest temms	
	Parsing: overview 404		
	Models of parsing 407	Reasoning and hypoth	
	Pragmatics 420		
	Individual differences: working memory	y capacity 427	
	Discourse processing: inferences 429		
	Discourse comprehension: theoretical ap	pproaches 435	
	Cl		
	Further reading 449		
11	Language production	4 Chapter summary 629	51
		Further reading 631	
	Introduction 451		
	Speech planning 455		

	Speech errors 456		
	Theories of speech production 460	Chapter summary 299	
	Cognitive neuropsychology: speech	production 470	
	Speech as communication 477		
	Writing: the main processes 482		
	Spelling 491		
	Chapter summary 496		
	Further reading 498		
-	iographical righnors/orship-bening-		
PAR	IV		
Inin	king and reasoning		499
12	Problem solving and experti	Theoretical perspectives on pag	503
		Chapter summary 342	
	Introduction 503		
	Problem solving: introduction 504		
	Gestalt approach: insight and role of	experience 506	
	Problem-solving strategies 516		
	Analogical problem solving 521		
	Expertise 527 at attention 171		
	Chess-playing expertise 527		
	Medical expertise 531		
	Brain plasticity 535 Deliberate practice 538		
	Democrate practice coo		
	Chapter summary 543	Reading aloud 361	
	Further reading 545		
13	Judgement and decision ma	king ore doone of principal I	547
	Introduction 547	Context effects 383	
	Judgement research 547 Judgement theories 554		
	Decision making under risk 564		
	Decision making: emotional and soc Complex decision making 577	hal factors 3/2	
		Language comprehension	
	Further reading 587		
	rurdier reading 367		
	Learning through retrieval 232	Parsing: overview 404	
14	Reasoning and hypothesis t	Models of parsing 407 gnites	589
	Introduction 589		
	Hypothesis testing 590		
	Deductive reasoning 595		
	Theories of deductive reasoning 6	Discourse comprehension: the 20	
	Brain systems in reasoning 611	Chapter summary 448	
	Informal reasoning 616		
	Are humans rational? 623		
	Chapter summary 629		
	Further reading 631		
	Semantic mentary 276		

xiii