

1. Record Nr.	UNINA9910797427403321
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Titolo	Essentials of working memory assessment and intervention // Milton J. Dehn, Alan S. Kaufman, Nadeen L. Kaufman
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Inc., , [2015] ©2015
ISBN	1-118-87673-3 1-118-70557-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (337 p.)
Collana	Essentials of Psychological Assessment Series
Disciplina	612.82
Soggetti	Short-term memory - Physiological aspects Memory - Age factors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Title Page; Copyright; Contents; Series Preface; Acknowledgments; Chapter One Working Memory Models; Working Memory's Influence; Baddeley's Working Memory Model; The Phonological Loop; The Visuospatial Sketchpad; The Episodic Buffer; The Central Executive; Other Models of Working Memory; Daneman and Carpenter's Processing Efficiency Model; Kane and Engle's Executive Attention Model; Cowan's Embedded-Process Model; Ericsson and Kintsch's Long-Term Working Memory Model; The Relationship Between Working Memory and Long-Term Memory; The Controversy Regarding Working Memory Capacity Retention IntervalsCognitive Load Theory; The Integrated Model of Working Memory; Short-Term Memory; Verbal Working Memory; Visual-Spatial Working Memory; Executive Working Memory; Interaction With Long-Term Memory; Capacity of Working Memory Operations; Chapter Two Cognitive Processes Highly Related With Working Memory; General Intelligence; Fluid Reasoning; The Big Three; Executive Functions; Attention; Attention-Deficit/Hyperactivity Disorder; Oral Language; Auditory Processing; Phonological Processing; Processing Speed; Visual-Spatial Processing; Sequential Processing; Long-Term Memory EncodingConsolidation; Retrieval; Recall Versus Recognition;

Metamemory; Strategies; Chapter Three Development, Neuroanatomy, and Risk Factors; Development of Working Memory; Phonological STM; Verbal WM; Visual-Spatial STM; Visual-Spatial WM; Executive WM; WM Strategies; Metamemory Development; Long-Term Memory Development; The Neuroanatomy of Working Memory; Interconnectivity Determines Capacity; Phonological STM; Visual-Spatial STM and WM; Executive WM; The Neuroanatomy of Long-Term Memory; The Medial Temporal Lobe; The Hippocampus; Hippocampal Related Structures; Amygdala; Thalamus
Risk Factors for Working Memory Impairments Concussions and Traumatic Brain Injuries; Extreme Prematurity; Childhood Diabetes; Dopamine Deficiency; Depression; Anxiety; Stress; Chapter Four Working Memory's Influence on Academic Learning and Performance; Working Memory and Classroom Learning; Cognitive Load in the Classroom; Instructional Variables; Internal Processing Variables; Content Variables; Working Memory and Basic Reading Skills; Case Illustration; Reading Fluency; Working Memory and Reading Comprehension; The Role of Verbal WM; The Role of Executive WM The Role of Visual-Spatial Working Memory Related Cognitive Processes; Case Illustration; Summary; Working Memory and Mathematics; The Role of Visual-Spatial STM and WM; The Role of Phonological STM; The Role of Verbal WM; The Role of Executive WM; Other Cognitive Factors; Case Illustration; Summary; Working Memory and Written Expression; Automaticity of Basic Writing Skills; Case Illustration; Working Memory and Oral Language; Case Illustration; Working Memory, Second Language Acquisition, and Bilingualism; Working Memory and Scholastic Performance; Working Memory and LD; Reading Disabilities Mathematics Disabilities

Sommario/riassunto

Improve academic learning outcomes with accurate working memory assessment and evidence-based interventions Essentials of Working Memory Assessment and Intervention is an accessible, practical guide to accurately and efficiently assessing working memory. This comprehensive resource explains the theories of working memory, with an emphasis on cognitive load theory, and provides step-by-step guidelines for organizing a cross-battery assessment, selecting appropriate instruments, interpreting results, and formulating individualized interventions and educational programming. In-depth case studies
