Record Nr. UNINA9910459557503321 Autore Wolfe Pat Titolo Brain matters [[electronic resource]]: translating research into classroom practice / / Patricia Wolfe Alexandria, Va., : ASCD, 2010 Pubbl/distr/stampa **ISBN** 1-282-91679-3 9786612916793 1-4166-1165-7 1-4166-1164-9 1-4166-1166-5 Edizione [2nd ed.] Descrizione fisica 1 online resource (265 p.) Disciplina 370.15/23 Soggetti Learning, Psychology of Learning - Physiological aspects Brain Electronic books. Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Cover; Title Page; Copyright; Dedication; Table of Contents; Preface and Nota di contenuto Acknowledgments; Part 1: The Structure and Function of the Human Brain; Chapter 1: Opening the Black Box of the Brain; Chapter 2: Brain Anatomy-A Short Course: Neurons and Subcortical Structures; Chapter 3: Brain Anatomy-A Short Course: The Cortex; Chapter 4: How Neurons Communicate: Part II: Brain Development from Birth Through Adolescence; Chapter 5: The Early and Middle Years; Chapter 6: The Adolescent Brain: A Work in Progress; Chapter 7: The Role of Exercise, Sleep, Nutrition, and Technology Part III: From Sensory Input to Information StorageChapter 8: Sensory Memory: Getting Information into the Brain; Chapter 9: Working Memory: The Conscious Processing of Information; Chapter 10: Long-Term Memory: The Brain's Storage System; Part IV: Matching Instruction

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## Sommario/riassunto

An expanded and updated ASCD best-seller where renowned educator and consultant Patricia Wolfe introduces you to the anatomy and physiology of the brain and explains teaching strategies that match how the brain learns best through projects, simulations, visuals, music, writing, and mnemonics. Plus, an all-new section explores brain development from birth through adolescence; the role of exercise, sleep, nutrition, and technology on the brain; and the importance of neuroplasticity.