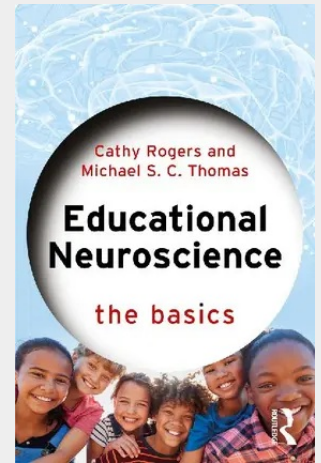


Educational Neuroscience

The Basics

Educational Neuroscience: The Basics is an engaging introduction to this emerging, interdisciplinary field. It explains how the brain works and its priorities for learning, and shows how educational neuroscience, when combined with existing knowledge of human and social psychology, and with teacher expertise, can improve outcomes for students. Cathy Rogers and Michael S. C. Thomas reveal how neuroscientific evidence is forcing us to question our assumptions about how our brains learn and what this means for education. The chapters in this vital volume step through the brain's priorities: processing senses and moving our bodies, emotional processing, and the difficult job of dealing with other people. It unpacks the tricky tasks of thinking and learning, considering how memory works and the many systems involved in learning. It draws this all together to offer guidance for effective classroom practice, current and future. Chapter features include key issues for special educational needs and neurodiversity, case studies of novel interventions, debunking of common neuromyths, and guidance for teachers on how to evaluate their own practice. This book is a compact, lively introductory text for students of psychology, neuroscience and education and courses where these disciplines interconnect. It will also be essential reading for educational professionals, including teachers, heads, educational advisors and the many industry bodies who govern and train them, as well as anyone interested in the fascinating story of how we learn.

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24,00 €

24,00 € (zzgl. MwSt.)

Nicht mehr lieferbar

Artikelnummer: 9781032028552

Medium: Buch

ISBN: 978-1-032-02855-2

Verlag: Taylor & Francis

Erscheinungstermin: 15.11.2022

Sprache(n): Englisch

Auflage: 1. Auflage 2022

Serie: Basics

Produktform: Kartoniert

Gewicht: 260 g

Seiten: 238

Format (B x H): 129 x 198 mm

