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# Educational Neuroscience

Edited by Denis Mareschal, Brian Butterworth and Andy Tolmie

In recent years, important strides have been made in realizing the potential of neuroscience to make meaningful contributions in the field of education. *Educational Neuroscience* presents a key reference source for students, educators, policy makers, and educational and developmental psychologists interested in bridging the gap between the biological basis of learning and the delivery of education in the classroom. An overview of the latest finding in developmental cognitive neurosciences and their possible applications to education is provided, with individual chapters written collaboratively by educationalists, psychologists and neuroscientists to ensure maximum clarity and relevance to a broad range of readers.

Topics and themes include neuroscience and educational methodologies, language and mathematical development, literacy, and various skills associated with conceptual, social, and emotional development. *Educational Neuroscience* offers important insights into the current state of research findings related to the interactions between biological processes and education-while paving the way to new frontiers and directions in learning and teaching.

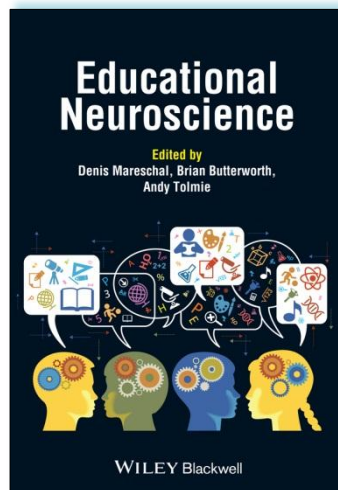
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- Represents a new research area with direct relevance to current educational practices and policy making
- Features individual chapters written collaboratively by educationalist, psychologists, and neuroscientists to ensure maximum clarity and relevance to a broad range of readers
- Edited by a trio of leading academics with extensive experience in the field

## About the Editors

**Denis Mareschal** is Professor of Psychology at Birkbeck, University of London. He is co-author and co-editor of *Neuroconstructivism: How the Brain Constructs Cognition* and *The Making of Human Concepts*, and Joint Editor of *Developmental Science*.

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**Brian Butterworth** is Emeritus Professor of Cognitive Neuropsychology in the Institute of Cognitive Neuroscience at University College London, and founding chair of the London Centre for Education Neuroscience. He is the author of *The Mathematical Brain* (1999).

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