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Educating the Human Brain

By Michael I. Posner, Mary Klevjord Rothbart

American Psychological Association. Hardback. Book Condition: new. BRAND NEW, Educating the Human Brain, Michael I. Posner, Mary Klevjord Rothbart, Educating the Human Brain is the product of a quarter century of research. This book provides an empirical account of the early development of attention and self regulation in infants and young children. It examines the brain areas involved in regulatory networks, their connectivity, and how their development is influenced by genes and experience. Relying on the latest techniques in cognitive and temperament measurement, neuroimaging, and molecular genetics, the book integrates research on neural networks common to all of us with studies of individual differences. In this book, the authors explain where, when, and how the brain performs functions that are necessary for learning. Such functions include attending to information; controlling attention through effort; regulating the interplay of emotion with cognition; and coding, organizing, and retrieving information. The authors suggest how these aspects of brain development can support school readiness, literacy, numeracy, and expertise. The audience for this book includes neuroscientists as well as developmental and educational psychologists who have interest in the latest brain research. The many helpful visuals - including brain diagrams, pictures and photographs of experimental setups, and...



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