



# Space in Mind: Concepts for Spatial Learning and Education

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The current "spatial turn" in many disciplines reflects an emerging scholarly interest in space and spatiality as central components in understanding the natural and cultural worlds. In *Space in Mind*, leading researchers from a range of disciplines examine the implications of research on spatial thinking and reasoning for education and learning. Their contributions suggest ways in which recent work in such fields as spatial cognition, geographic information systems, linguistics, artificial intelligence, architecture, and data visualization can inform spatial approaches to learning and education.

After addressing the conceptual foundations of spatial thinking for education and learning, the book considers visualization, both external (for example, diagrams and maps) and internal (imagery and other mental spatial representations); embodied cognition and spatial understanding; and the development of specific spatial curricula and literacies.

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