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Autore	Bylieva Daria
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Words: The Power of Visualization in Teaching Philosophy -- 14. Professional English for Students Majoring in Engineering: Visualization Tools -- 15. Infographics for Teaching Chinese to Develop Socio-Cultural Competence: The Examples of Chinese Traditional Holidays -- 16. Visualization as a Personal Development Strategy: Motivation and Adaptation of Students -- 17. On Visual Reasoning for the Purpose of Developing Values in Young People -- 18. Cognitive Data Visualization Technology as a Tool for the Development of Interpretive Competence: A Study of Creativity Training for Engineers -- 19. 3d Visualization Technologies as A Tool to Enhance Professional and Linguistic Competencies -- 20. Neural Network Potential of Image Generation for Actualizing Cultural Codes in Foreign Language Teaching -- 21. Stimulating Vocabulary Memorization through the Neurographica Method: An Integrative Approach -- 22. Mind Mapping for Teaching English for Special Purposes: The Example of Digital Linguists -- 23. Infographics for Enhancing Oral Summarization Skills -- 24. Cognitive Schematization as a Visual Teaching Method in Marketing Education -- 25. Language Learning in the Art Museum: Expanding Cultural Horizons.

Sommario/riassunto

This book investigate visualization practices conceptually, historically, and strategically, showing what visual thinking can achieve especially in professional training and educational contexts. For a long time, science and education were dominated by the word. What mattered were written texts, mathematical formulae, and verbalizations. And yet, similes, metaphors, illustrations, diagrams, and geometric demonstrations were always involved. Engineering and design thinking established the virtues of visual thinking. A blue-print or schematic representation can be investigated for dependencies and cause-effect relations. In recent decades, a better understanding of visual thinking opened the door for tools and techniques especially in educational contexts..
