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Autore	CILENTO, Nicola
Titolo	Centri urbani antichi, scomparsi e nuovi nella Campania medioevale / Nicola Cilento
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Descrizione fisica	11 p., 1 carta di tav. : ill. ; 24 cm
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ISBN	1-136-94398-6 1-136-94399-4 1-282-88279-1 9786612882791 0-203-84782-2
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Collana	New Perspectives on Learning and Instruction
Altri autori (Persone)	VerschaffelLieven <1957->
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Nota di contenuto	Book Cover; Title; Copyright; Contents; Contributors; Use of representations in reasoning and problem solving: An overview; Part I: Theoretical and empirical analyses of psychological processes in thinking and learning with representations; Chapter 1: Creative thinking and problem solving with depictive and descriptive representations; Chapter 2: Instructional considerations in the use of external representations: The distinction between perceptually based depictions and pictures that represent conceptual models Chapter 3: Critical thinking about biology during web page reading: Tracking students' evaluation of sources and information through eye fixationsChapter 4: Representational flexibility in linear-function problems: A choice/no-choice study; Chapter 5: Representations and proof: The case of the Isis problem; Chapter 6: Secondary school students' availability and activation of diagrammatic strategies for learning from texts; Part II: Development of representational tools and evaluation of their effects on student learning

Chapter 7: Conceptual change in learning electricity: Using virtual and concrete external representations simultaneouslyChapter 8: Using static and dynamic visualisations to support the comprehension of complex dynamic phenomena in the natural sciences; Chapter 9: The role of external representations in learning combinatorics and probability theory; Chapter 10: Symbolising and the development of meaning in computer-supported algebra education; Chapter 11: The 'numbers are points on the line' analogy: Does it have an instructional value?

Chapter 12: Use of external representations in science: Prompting and reinforcing prior knowledge activationChapter 13: Visualisation of argumentation as shared activity

Sommario/riassunto

Within an increasingly multimedia focused society, the use of external representations in learning, teaching and communication has increased dramatically. Whether in the classroom, university or workplace, there is a growing requirement to use and interpret a large variety of external representational forms and tools for knowledge acquisition, problem solving, and to communicate with others. Use of Representations in Reasoning and Problem Solving brings together contributions from some of the world's leading researchers in educational and instructional psychology, instruction
