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| Descrizione fisica | 1 online resource (XV, 92 p. 19 illus., 17 illus. in color.) |
| Collana | SpringerBriefs in Educational Communications and Technology, , 2196-498X |
| Disciplina | 371.33 |
| Soggetti | Educational technology Learning Instruction Educational Technology Learning & Instruction |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references at the end of each chapters and index. |
| Nota di contenuto | Chapter 1.Introducing a Frame for Creativity: Transdisciplinary Thinking and the Seven Skills in this Book -- Chapter 2. Learning to See: Perceiving as a Transdisciplinary Habit of Mind -- Chapter 3.Making Sense of What You See: Patterning as a Transdisciplinary Habit of Mind -- Chapter 4.Finding the Foundational Ideas:Abstracting as a Transdisciplinary Habit of Mind -- Chapter 5. Finding the Foundational Ideas: Abstracting as a Transdisciplinary Habit of Mind -- Chapter 6. Embodied Thinking as Empathy through Gaming: Perspective Taking in a Complex World -- Chapter 7.Representations of Real-World Phenomena: Modeling as a Transdisciplinary Formative Skill and Practice -- Chapter 8.Playing with Ideas for Creativity and Learning: Play as a Transdisciplinary Habit of Mind -- Chapter 9.Transform and Transcend: Synthesis as a Transdisciplinary Approach to Thinking and Learning -- Chapter 10.Connecting the Threads. |
| Sommario/riassunto | This book focuses on rethinking creativity for 21st century education. The specific emphasis examines the way that creativity spans disciplines, through a set of common thinking skills that the most |

accomplished thinkers in any field use. These seven transdisciplinary thinking skills are rooted in historical exemplars of creativity across disciplines. We examine these skills in more detail, chapter by chapter, to offer examples of what each skill looks like in disciplines ranging from art to science, or music to math, and beyond. This set of thinking skills reflects the way that creativity may look different across fields, yet there are common paths of creative thinking that cut across disciplinary boundaries. Beyond this each chapter also considers applications for such skills in 21st century educational contexts, with an eye toward creative teaching and technology. In all of this, the book weaves together broad cultural examples of creativity and the seven transdisciplinary skills, alongside specific application-based examples from technology and teacher education.
