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## Titolo

Finnish Innovations and Technologies in Schools : A Guide towards New Ecosystems of Learning / / edited by Hannele Niemi, Jari Multisilta, Lasse Lipponen, Marianna Vivitsou

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## Note generali

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## Nota di bibliografia

Includes bibliographical references at the end of each chapters.

## Nota di contenuto

Preliminary Material / Hannele Niemi , Jari Multisilta , Lasse Lipponen and Marianna Vivitsou -- The Finnish Educational Ecosystem / Hannele Niemi -- A New Finnish National Core Curriculum for Basic Education (2014) and Technology as an Integrated Tool for Learning / Sanna Vahtivuori-Hänninen , Irmeli Halinen , Hannele Niemi , Jari Lavonen and Lasse Lipponen -- Global is Becoming Everywhere / Hannele Niemi and Jari Multisilta -- Digital Storytelling in Finnish Schools / Vilhelmiina Harju , Kirsi Viitanen and Marianna Vivitsou -- Science through the Camera Lens / Johanna Penttilä , Veera Kallunki and Johanna Ojalainen -- Angry Birds for Fun in Learning / Vilhelmiina Harju and Jari Multisilta -- Learning by Teaching / Harri Ketamo -- Learning by Creating Educational Exergames / Kristian Kiili , Pauliina Tuomi , Mikko Koskela and Jeffrey Earp -- The Innovative School as an Environment for the Design of Educational Innovations / Tiina Korhonen , Jari Lavonen , Minna Kukkonen , Kati Sormunen and Kalle Juuti -- Building an Ecosystem for Developing Educational Use of Technology in Finnish Schools / Marja Kankaanranta and Sanna Vahtivuori-Hänninen -- Inspiration, Joy, and Support of STEM for Children, Youth, and Teachers through the Innovative LUMA Collaboration / Lauri Vihma and Maija Aksela -- The International Millennium Youth Camp as an Active Learning Ecosystem for Future Scientists / Sakari Tolppanen and Maija Aksela -- Schools and Companies in a Co-configurative Collaboration /

Anna Aarnio , Lasse Lipponen , Sanna Vahtivuori-Hänninen and Jarkko Mylläri -- Epilogue / Hannele Niemi , Jari Multisilta , Lasse Lipponen and Marianna Vivitsou -- Author Biographical Notes / Hannele Niemi , Jari Multisilta , Lasse Lipponen and Marianna Vivitsou.

#### Sommario/riassunto

This book combines several perspectives on the steps the Finnish educational system has taken to provide students with the skills and competences needed for living in today's society and in the future. The ecosystem is used as a metaphor for the educational system. The Finnish system aims to achieve sustainable education by ensuring that the system is simultaneously interconnected and open to transformations. The book describes how a flexible curriculum system is succeeding without the pressures of high-stake testing. It also illustrates how the ongoing curriculum reform of the basic education is working. The book brings together knowledge gained in schools through the cooperation of researchers, teachers, school principals, the public sector, and private companies. The book presents case studies of technology integration aimed at crossing boundaries in formal and informal learning settings, locally and globally. The contributors address 21st-century needs and requirements through learner-driven knowledge creation, collaboration, networking, and digital literacies. It opens new scenarios of how to apply digital storytelling and games connecting fun, motivation, and learning. The strong message is that, through collaboration and networking, we can create an educational ecosystem that supports different learners.