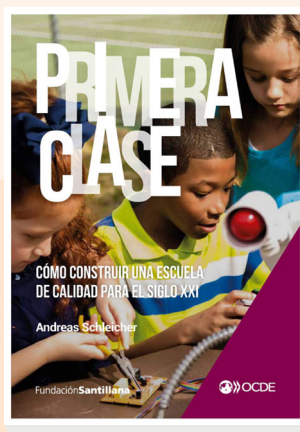


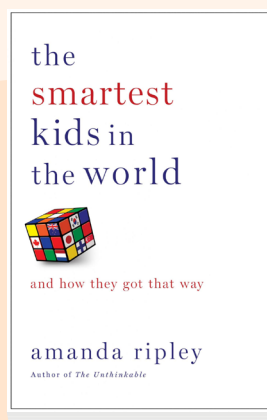
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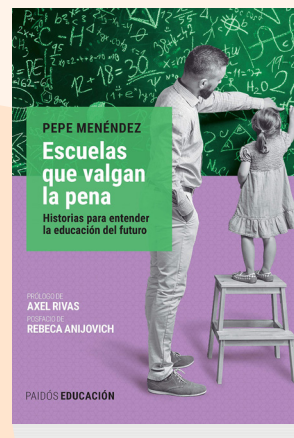
Primera clase. Cómo construir una escuela de calidad para el siglo XXI
Andreas Schleicher
Santillana, 2018

In this book, Schleicher, a physicist by profession, analyses good educational practices to understand what works in education according to its context. In the future, schools will prioritise students thinking for themselves, and working in cooperative teams, learning to be empathetic towards others. The author is an expert on international educational policy.



The Smartest Kids in the World. And How They Got That Way
Amanda Ripley
Simon & Shuster, 2014

Ripley analyses and compares Finland's educational systems, South Korea and Poland with that of the United States. She uses three students as field agents to determine the best public schools to learn how these systems educate children with great potential. His significant discovery is the passion and talent of the teachers.



Escuelas que valgan la pena
Pepe Menéndez
Ediciones Paidós, 2020

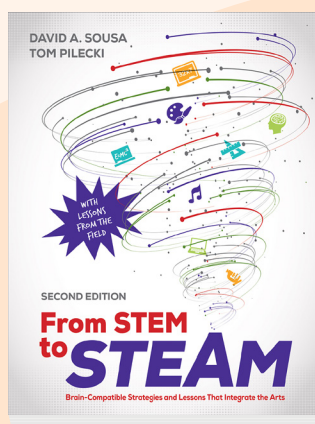
Based on brief accounts of real experiences as a teacher and director, Menéndez invites us to reflect on education, raising questions, reflections, doubts and principles, consistently placing the student at the centre of the educational process. For the author, educational transformation is based on making learning the driving force behind a more humane education in line with current competencies.



Aprendizaje basado en proyectos, trabajos prácticos y controversias
Jordi Domènech Casal
Octaedro Editorial, 2017

A book that offers 28 practical proposals for science teachers to do projects in the classroom. It is linked to a blog where all the necessary material is available. In it, we find methodological approaches on enquiry, scientific reasoning skills, project and problem-based learning, socio-scientific controversies and pseudo-science.





From STEM to STEAM: Brain-Compatible Strategies and Lessons That Integrate the Arts

David Anthony Sousa and
Thomas J. Pilecki

Corwin Press, 2018, 2nd edition

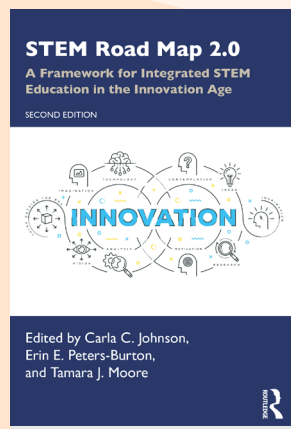
Teachers and administrators in all the schools where the authors have worked have recognised that integrating the arts into STEM courses can spark their own creativity and that of their students'. The book also describes how to run a successful STEM initiative.



STEM. La enseñanza de las ciencias en la actualidad

María Napal Fraile and
María Isabel Zudaire Ripa
Dextra Editorial, 2019

Across the world, and especially in the English-speaking world, initiatives are multiplying to increase children's exposure to science, technology, engineering and mathematics (STEM), thus encouraging scientific and technological vocations. Investing in STEM education has become synonymous with innovation. However, it is questionable whether the STEM education being practised responds to the challenges facing science and science education today.

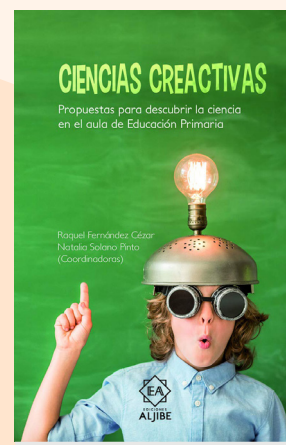


STEM Road Map 2.0

Carla C. Johnson, Erin E.
Peters-Burton and Tamara
J. Moore

Routledge & CRC, 2021. 2nd edition

This book provides an integrated STEM curriculum that spans the entire K-12 spectrum. This edition includes an increased focus on computational thinking, mathematics, and the arts and cultural relevance and addressing student needs. Divided into three parts: conceptualising STEM, STEM curriculum maps and building capacity for STEM, each section is designed to generate a shared understanding of integrated STEM and providing curriculum maps for implementing integrated STEM at the classroom level.



Ciencias creativas

Raquel Fernández Cézar
and Natalia Solano Pinto
Ediciones Ajibe, 2019

This book shows us that there are links between creativity, science and teaching, which allow teachers to be creative in working with science through experimentation and survival and concluding with analysis and reflection shared with the students. The book contains 18 didactic guides explaining experiments on different subjects such as gravity or the magnetic field, etc. These guides propose objectives, procedures and proposals for evaluation. Examples are described using everyday materials taking advantage of everyday situations to discover, learn and enjoy science.