

1. Record Nr.	UNINA9910639889303321
Titolo	Learning science through drama : exploring international perspectives / / edited by Carol Kelly-Gangi
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2023] ©2023
ISBN	3-031-17350-3
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (324 pages)
Collana	Contributions from Science Education Research, , 2213-3631 ; ; 11
Disciplina	891.9201
Soggetti	Science - Study and teaching Drama in education Ensenyament científic Teatre en l'ensenyament Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Chapter 1. Introduction (D. McGregor) -- Part I: Literature Reviews -- Chapter 2. Theorising about the use of drama, theatre, script and performance in learning science (A. Bonsall) -- Chapter 3. 'Holy' science drama. Learning from theory in theatre (M. Braund) -- Chapter 4. Drama conventions : Theoretical consideration of the ways they offer affordances or constrain science learning (D. McGregor) -- Chapter 5. Exploring the use of role play : Theorising about what it offers for learning science? (M. Odegaard) -- Part II: Empirical Case Studies -- Chapter 6. Crossing borders : Examining what is required for teachers to use physical role-plays effectively (M. Braund) -- Chapter 7. Equal partnerships: integrating science and drama to support learning about the Nature of Science in New Zealand primary classrooms (D. Baskerville and D. Anderson) -- Chapter 8. A drama-based approach to engage secondary students in environmental issues (R. Verhoeff) -- Chapter 9. Embodied Learning: A Study of Drama Conventions to Represent Ideas about the Solar System (M. Branscombe) -- Chapter 10. Collaborative and Reflexive approaches to teaching about complex issues in science : Dramatising learning about stem cells (P. White and

Rapheal) -- Chapter 11. Reflecting on performance and the audience : lessons from practice (Z. Smyrniou) -- Part III: Research methodologies and methods appropriate to research the impact of drama pedagogy -- Chapter 12. Transcribing videoed material to explore the nature of talk in science lessons using drama (S. Frodsham and D. McGregor) -- Chapter 13. Using drama conventions as data collection tools: Pathways through a design-based research approach to refine a drama-science guided inquiry process (D. Anderson and D. Baskerville) -- Chapter 14. Researching the process and outcomes of positioning children in-role : Analysing varied forms of data including dialogue, observations, interviews and assessments (C. Swanson) -- Chapter 15. Impactful drama : using mixed methods to assess learning (B. Stagg) -- Chapter 16. 'Act a scientist Test' : What does a deductive content analysis show? (J. Turkka) -- Part IV: Reflections on researching learning science through the use of drama -- Chapter 17. Discussion (J. Neelands) -- Chapter 18. Conclusion (D. McGregor).

Sommario/riassunto

This book presents a wide range of international perspectives that explore the different ways the diverse forms of drama supports learning in science. It illustrates how learning science by adopting and adapting theatrical techniques can offer more inclusive ways for students to relate to scientific ideas and concepts. The theatrical processes by which subject matter can be introduced, thought about, discussed, transformed, enacted and disseminated are shown to be endless. The first section of the book considers different ways of theorising and applying drama in classrooms. The second section provides a range of case studies illustrating how role play, performance, embodiment and enquiry approaches can be utilised for learning in primary, secondary and tertiary education contexts. The third section demonstrates how different research methods from questionnaires, particular kinds of tests and even the theatrical conventions themselves can provide rich data that informs how drama impacts on learning science.
