1. Record Nr. UNINA9910819926103321

Autore	Cross Alan
Titolo	Creative ways to teach primary science / / Alan Cross & Jon Board
Pubbl/distr/stampa	Maidenhead, England : , : Open University Press, , 2014
ISBN	0-335-24766-0
Descrizione fisica	1 online resource (186 p.)
Disciplina	372.35044
Soggetti	Science - Study and teaching (Elementary)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover page; Halftitle page; Title page; Copyright page; Praise; Contents; Acknowledgements; 1 Creativity in primary science; Introduction; Creative teachers; Science and creativity; What can help me?; Making science a creative subject; Learner creativity in science; Teacher creativity in developing learner creativity; Forms of creativity; Conclusion; 2 Children as real scientists; Pupils contribute directly to the work of professional scientists; Children as researchers; Children in control; Writing/thinking frames; Safety; Conclusion 3 A creative approach to working scientifically: putting children in the driving seatIntroduction; Why do children need to be in the driving seat?; Creative teaching that develops independent learning; Teaching the scientific process: it's not just fair testing!; Creative planning to encourage curiosity; Challenging children's misconceptions; Teachers as questioners; Making it manageable; Creative learning that develops autonomy; Conclusion; 4 ICT and computing; Computing; Computers and learners' science; Conclusion; 5 Using children's literature, stories, poetry and songs; Conclusion 6 Models and analogiesWhen are models and analogies useful?; Analogy or model?; It's only a model!; Misconceptions; Using creative approaches to make models and analogies more effective; Assessment for learning; Some examples of models and analogies by topic; Conclusion; 7 Images in science lessons; Conclusion; 8 Demonstrations; Using demonstrations to stimulate creative discussion; Making demonstrations creative; Ideas for creative demonstrations; 9 Dance and drama; Role play; Conclusion; 10 Playground science;

Collaborative learning and playground science

A creative playground science lessonMore examples of playground science activities; Conclusion; 11 Thinking frames; Thinking together; Question matrix; Conclusion; 12 Cross-curricular science; Background; Why teach cross-curricular science?; Cross- curricular learning and creativity; Making cross-curricular science effective; Planning for cross-curricular science; Science and the core skills; Examples of cross-curricular science; Conclusion; Bibliography; Index

Sommario/riassunto

This book is intended to encourage creativity and experimentation in teaching primary science, which are regularly recognised as features of outstanding teaching.