

1. Record Nr.	UNINA9910808909403321
Autore	Kelly Lois
Titolo	Inspiring science in the early years : exploring good practice / / edited by Di Stead and Lois Kelly
Pubbl/distr/stampa	Berkshire, England : , : Open University Press, , 2015 2015
ISBN	0-335-26453-0
Descrizione fisica	1 online resource (170 p.)
Disciplina	507.8
Soggetti	Science - Experiments Science - Study and teaching (Elementary) Science - Study and teaching (Primary)
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 at the end of each chapters and index.
Nota di contenuto	Cover page; Halftitle page; Title page; Copyright page; Praise for this book; Contents; List of figures and tables; Notes on contributors; The editors; The authors; Acknowledgements; Preface; 1 Is science important in the early years? Lois Kelly; Introduction; What is science?; Science in the early years; How young children construct meaning; Nurturing children's curiosity; Exploring good practice; References; 2 Developing budding scientists Kathleen Orlandi; Encouragement to explore and investigate; Uninterrupted thinking time; Access to the world beyond the classroom Provision for untidinessConclusion; References; 3 The role of talk in developing scientific language in the early years; Introduction; How does the teacher help the child develop more precise language?; How does the teacher support a child to refine their understanding of scientific concepts?; How does the teacher ascertain the developing scientific understanding of young children in order to plan for next steps or potential lines of development?; How can the teacher encourage the children to record their own ideas in a meaningful way?; Case study: Humpty Dumpty and his wall How can recounts develop scientific language?The plan-do-review of High/Scope; The use of stories and storytelling, including traditional

and classic stories; The use of puppets in promoting exploratory talk; References; Resources; 4 Starting points to inspire science in the early years; Creating the right environment; Case study; Starting points in every day science; The power of stories; Conclusion; References; 5 How can continuous provision inspire early years science?; Introduction; What is continuous provision?; Continuous provision supporting science learning

Why is play so important in learning science? What does continuous provision for science learning look like?; Using areas of continuous provision to enhance early years science; Opportune moments; What is the role of the teacher/adult in enhancing science in continuous provision?; Meaningful conversations that support sustained shared thinking; How do the questions you ask help children with their sustained shared thinking?; Conclusion; References; 6 Inspiring early years science through role play; Introduction; What does role play offer?; The role of the adult in promoting scientific learning Conclusion; References; 7 Exploring toys and other resources to inspire science in the early years; Introduction; The purpose of resources; Using toys and other resources effectively; Toys for understanding the world; Something to think about; Messing about in science with balls; Messing about with mud; Messing about with magnets; Conclusion; References; 8 Using technology to inspire science in early years; Introduction; Technological innovation and expectations with young children; Using technology to enhance early science skills Taking the innovative leap: ensuring optimum use of technology to enhance early years science

Sommario/riassunto

Explores the science inherent in good early years practice and provides ideas for early years teachers and practitioners.
