

1. Record Nr.	UNINA9910953769103321
Autore	Niaz Mansoor
Titolo	From 'science in the making' to understanding the nature of science : an overview for science educators // Mansoor Niaz
Pubbl/distr/stampa	New York, : Routledge, 2012 New York, N.Y. : , : Routledge, , 2012
ISBN	1-136-50865-1 1-283-45914-0 9786613459145 1-136-50866-X 0-203-14647-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (265 p.)
Disciplina	507.1
Soggetti	Science - Study and teaching Science teachers - Training of
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	FROM 'SCIENCE IN THE MAKING' TO UNDERSTANDING THE NATURE OF SCIENCE An Overview for Science Educators; Copyright; Contents; Preface; Acknowledgments; 1 Introduction; 2 'Science in the Making' and Heuristic Principles in a Historical Context; 3 Students' and Teachers' Understanding of the Nature of Science; 4 How to Introduce the Nature of Science in the Classroom; 5 The Role of Heuristic Principles in Understanding the Nature of Science; 6 How the Views of Leon Cooper (Nobel Laureate) can Influence In-service Teachers' Understanding of the Nature of Science 7 Martin Perl's (Nobel Laureate) Perspective on the Nature of Science and Teaching Science 8 Conclusion: From 'Science in the Making' to Understanding the Nature of Science; References; Index
Sommario/riassunto	"The Nature of Science is highly topical among science teacher educators and researchers. Increasingly, it is a mandated topic in state curriculum documents. This book draws together recent research on Nature of Science studies within a historical and philosophical framework suitable for students and teacher educators. Traditional

science curricula and textbooks present science as a finished product. Taking a different approach, this book provides a glimpse of "science in the making" -- scientific practice imbued with arguments, controversies, and competition among rival theories and explanations" -- Provided by publisher.

---