

1. Record Nr.	UNINA9910461243603321
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Titolo	Geometry as objective science in elementary school classrooms : mathematics in the flesh / / Wolff-Michael Roth
Pubbl/distr/stampa	New York : , : Routledge, , 2011
ISBN	1-136-73221-7 1-283-15115-4 9786613151155 0-203-81787-7
Descrizione fisica	1 online resource (302 p.)
Collana	Routledge international studies in the philosophy of education ; ; 27
Disciplina	372.7
Soggetti	Geometry - Study and teaching (Primary) Education, Primary - Philosophy Electronic books.
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	pt. a. Toward a theory of mathematics in the flesh -- pt. b. Stories of mathematics in the flesh -- pt. c. Emergence of geometry : an objective science.
Sommario/riassunto	"This study examines the origins of geometry in and out of the intuitively given everyday lifeworlds of children in a second-grade mathematics class. These lifeworlds, though pre-geometric, are not without model objects that denote and come to anchor geometric idealities that they will understand at later points in their lives. Roth's analyses explain how geometry, an objective science, arises anew from the pre-scientific but nevertheless methodic actions of children in a structured world always already shot through with significations. He presents a way of understanding knowing and learning in mathematics that differs from other current approaches, using case studies to demonstrate contradictions and incongruences of other theories. Immanuel Kant, Jean Piaget, and more recent forms of (radical, social) constructivism, embodiment theories, and enactivism and to show how material phenomenology fused with phenomenological sociology provides answers to the problems that these other paradigms do not

answer"--
