

1. Record Nr.	UNINA9910136770803321
Autore	Robutti Ornella
Titolo	Esplorazione dei Solidi e Oltre : Fare Geometria con gli Zometool // a cura di: Ornella Robutti
Pubbl/distr/stampa	Ledizioni, 2016 Ledizioni - LediPublishing
Descrizione fisica	1 online resource (56 pages) : colour illustrations
Soggetti	Mathematics Geometry
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	<p>Despite being present in the National Indications, the teaching of solid geometry is often put in the background in common teaching practice for its conceptual difficulties and broad theoretical prerequisites. This volume aims to offer a proposal of constructive teaching of solid geometry based on the use of ZOMETOOL, an innovative teaching tool suitable for constructing both two-dimensional and three-dimensional figures. The methodology adopted is that of the mathematics laboratory, guided by cards, in order to stimulate discussion among students in individual groups, focusing both on the motivational lever given by the discovery and on the autonomous construction of mathematical meanings. The volume presents the activities proposed in the 2013/14 and 2014/15 school years in various secondary schools in the province of Turin and the results of the students and the critical issues that emerged during the work are analyzed. This work is therefore configured as a tool to guide the teacher in carrying out the activities in the classroom and to provide useful tips for the design of new learning courses.</p>