1. Record Nr. UNISA996466391603316 Autore Siltanen Samuli Titolo Step into the world of mathematics: math is beautiful and belongs to all of us / / by Samuli Siltanen; translated by Lauri Snellman Pubbl/distr/stampa Cham, Switzerland: ,: Springer, , [2021] ©2021 **ISBN** 3-030-73343-2 Descrizione fisica 1 online resource (127 pages) Disciplina 510 Soggetti Mathematics Matemàtica Llibres electrònics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Nota di bibliografia Includes bibliographical references. Nota di contenuto Foreword: Mathematics, our invisible friend -- 1. My adventures in the world of mathematics -- 2. Examples of mathematical models -- 3. The large models of Earth and space -- 4. Mathematics in the service of doctors -- 5. Is humanity mathematics as well? -- Mathematics belongs to everyone. Sommario/riassunto Modern life is increasingly relying on digital technology, which in turn runs on mathematics. However, this underlying math is hidden from us. That is mostly a good thing since we do not want to be solving equations and calculating fractions just to get things done in our everyday business. But the mathematical details do matter for anyone who wants to understand how stuff works, or wishes to create something new in the jungle of apps and algorithms. This book takes a look at the mathematical models behind weather forecasting, climate change prediction, artificial intelligence, medical imaging and computer

math skills are not needed for enjoying this text.

graphics. The reader is expected to have only a curious mind; technical