

1. Record Nr.	UNINA9910624303103321
Autore	Prasanna A. R.
Titolo	How to learn and practice science // A. R. Prasanna
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
ISBN	9783031145148 9783031145131
Descrizione fisica	1 online resource (138 pages)
Disciplina	507.1
Soggetti	Science - Study and teaching Science - Study and teaching - Methodology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface and Acknowledgments -- Contents -- Chapter 1: What Is Science? -- Introduction -- Early Times -- Technology Versus Science -- Initiation of Scientific Inquiry -- The Purpose of Science -- Some Landmark Science-Based Technologies -- Serendipity in Science -- References -- Chapter 2: Science in Daily Life: Can One See Science in Routine Actions? -- Introduction -- Motion, Inertia, and Gravity -- Work and Energy -- References -- Chapter 3: Scientific Methodology -- Introduction -- Early Beginnings -- References -- Chapter 4: Language of Science -- Introduction -- Knowledge and Information -- References -- Chapter 5: Mathematics, the Common Base for Science -- Introduction -- Mathematics: Its Need in Science -- Evolution of Early Mathematics -- Mathematics as a Tool for New Discoveries -- Is Mathematics Difficult to Learn? -- What Is the Best Way to Learn Mathematics? -- Fun with Mathematics -- References -- Chapter 6: An Integrated Approach to Communicating and Practicing Science -- Introduction -- References -- Chapter 7: Experience and Experimenting in the Development of Sciences -- Introduction -- References -- Chapter 8: Observation and Inference -- Introduction -- References -- Chapter 9: Science as a Profession -- Introduction -- References -- Chapter 10: Science and Society -- Introduction -- Public Perception of Research -- Change in the Scenario -- References --

