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Titolo	How to Learn and Practice Science // by A. R. Prasanna
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Descrizione fisica	1 online resource (138 pages)
Collana	Physics and Astronomy Series
Disciplina	507.1
Soggetti	Science - Study and teaching Science - History Physics - History Astronomy Gravitation Teaching Science Education History of Science History of Physics and Astronomy Astronomy, Cosmology and Space Sciences Gravitational Physics Didactics 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	What is Science? -- Science in Daily Life - Can One See Science in Routine Actions? -- Scientific Methodology -- Language of Science -- Mathematics - The Common Base for Science -- Integrated Approach to Science Communication -- Experience and Experimenting in the Development of Science -- Observation and Inference -- Science as a Profession -- Science and Society.
Sommario/riassunto	This book is a small but practical summary of how one can and should learn science. The author argues that science cannot be taught but has to be learnt. Based on historical examples he shows that practicing science means putting one's intellect into the understanding of simple

questions like what, why, how and when events around you happen. The reader understands that the search for the cause and effect relationship of so called normal happenings is a very provocative experience and learning science leads one to it. This is underpinned by looking at everyday experiences and how they can help any lay-person learn science. The author also explains the methodology of science and discusses an integrated approach to science communication. Finally he elaborates on the influence and role of science in society. The book addresses interested general readers, teachers and science communicators.
