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Titolo	The nature of science [[electronic resource]] : integrating historical, philosophical, and sociological perspectives / / Fernando Espinoza
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The need for scientific literacy -- The origins of accomplishing tasks : from individual to organized efforts -- The earliest comprehensive and rationalistic syntheses -- 4- knowing, doing and the inevitability of curiosity and exploration -- From the transcendent to the temporal-a transformative experience -- From qualities to quantities : the mathematization of nature -- Internalizing naturalistic explanations, benefit or threat? -- Dispensing with philosophy and entertaining limits to human knowledge -- Scientifically speaking, we know a lot, or do we? -- The need for a context -- The rightful place of science in society -- Concluding reflections.
Sommario/riassunto	"The role of science, along with its nature and development, are commonly misunderstood. Fernando Espinoza shines light on these misconceptions to show that the role of science also lies in its effect and influence upon society through historical, philosophical, and sociological perspectives. This book incorporates the mandates by national organizations such as the National Research Council and National Science Teachers Association and is a useful text for required courses of general education majors"--