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Sommario/riassunto

This edited volume provides theoretical and practical resources relating to the 'STEPWISE' curricular and instructional framework. 'STEPWISE' is the acronym for Science & Technology Education Promoting Wellbeing for Individuals, Societies & Environments. It is a framework for organizing teaching and learning domains in ways that prioritize personal and social actions to address 'critical socioscientific issues' — that is, controversial decisions by powerful individuals/groups about science and technology (and related fields) that may adversely affect

individuals, societies and/or environments. The book contains chapters written by and/or with teachers who have used STEPWISE to guide their instructional practices, as well as chapters written by education scholars who have used a range of theoretical lenses to analyze and evaluate STEPWISE — and, in several cases, described ways in which it relates to (or could relate to) their practices and/or ways in which the framework might logically be amended. Overall, this book offers educators, policy makers and others with resources useful for arranging science and technology education in ways that may assist societies in addressing significant potential personal, social and/or environmental problems — such as dramatic climate change, preventable human diseases, species losses, and social injustices — associated with fields of science and technology.
