

Abstract. This edited volume provides theoretical and practical resources relating to the 'STEPWISE' curricular and instructional framework. 'STEPWISE' is the acronym for Science & Technology Education for 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.

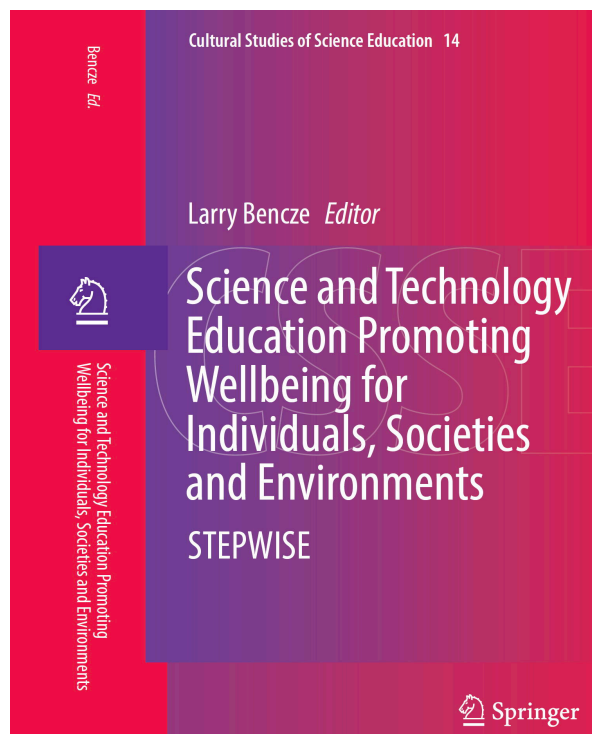
Table of Contents.

Part I. PREAMBLE

1. **Derek Hodson.** *FOREWORD: The Significance of STEPWISE for Fostering Life-long Sociopolitical Activism.*
2. **Larry Bencze.** *INTRODUCTION: STEPWISE — A Framework Prioritizing Altruistic Actions to Address Socioscientific Issues.*

Part II. DOCUMENTARIES

3. **Darren Hoeg, Tanya Williamson & Larry Bencze.** *School Science Ruling Relations and Resistance to Activism in Early Secondary School Science.*
4. **Varsha Patel.** *Activating Students' Conceptions and Positions on STSE Issues in Preparation for Socio-political Activism.*
5. **Angeliki Grundy.** *Both Sides Now: Exploring the Art of Persuasion to Enhance Actions Within a STEPWISE Framework.*
6. **Mirjan Krstovic.** *Learning about Youth Engagement in Research-informed and Negotiated Actions on Socio-scientific Issues.*
7. **Larry Bencze and Mirjan Krstovic.** *Students' Social Studies Influences on Their Socioscientific Actions.*
8. **Larry Bencze and Mirjan Krstovic.** *Epistemic Contributions to Students' Autonomous Socioscientific Actions.*
9. **Larry Bencze and Mirjan Krstovic.** *Students' Uses of Actor Network Theory to Contextualize Socioscientific Actions.*
10. **Larry Bencze and Mirjan Krstovic.** *Science Students' Ethical Technology Designs as Solutions to Socio-scientific Problems.*
11. **Larry Bencze and Mirjan Krstovic.** *Resisting the Borg: Science Teaching for Common Wellbeing.*
12. **Neil T. Ramjewan, Brandon Zoras and Larry Bencze.** *Giving Meaning to STSE Issues Through Student-Led Action Research: An Actor-Network Theory Account of STEPWISE in Action.*



13. **Christina Phillips-MacNeil, Mirjan Krstovic and Larry Bencze.** *Students' Socioscientific Actions: Using And Gaining 'Street Smarts'.*
14. **Neil T. Ramjewan, Brandon Zoras and Larry Bencze.** *Tensions on Promoting Social Justice Through STEPWISE Pedagogies in an International Baccalaureate Preparatory Class.*
15. **Majd Zouda, Tomo Nishizawa and Larry Bencze.** *'In The Eye of The Hurricane': Using STEPWISE to Address Urgent Socio-Political Issues in Venezuela.*
16. **Darren Hoeg, Alexander DiGiacomo, Sarah El Halwany, Mirjan Krstovic, Christina Philips-McNeil, Minja Milanovic, Tomo Nishizawa, Majd Zouda and Larry Bencze.** *Science for Citizenship: Using Prezi™ for Education about Critical Socio-scientific Issues.*
17. **Larry Bencze and Chantal Pouliot.** *Battle of the Bands: Toxic Dust, Active Citizenship and Science Education.*
18. **Sarah El Halwany, Majd Zouda, Chantal Pouliot and Larry Bencze.** *Supporting Pre-service Teachers to Teach for Citizenship in the Context of STSE Issues.*
19. **Erin Sperling and Larry Bencze.** *Teaching Girls to Fish?: A Case of Co-curricular Food Justice Education Program for Youth.*

Part III. COMMENTARIES

20. **Clayton Pierce.** *Actor Network Theory and STEPWISE: A Case Study on Learning About Food Justice with Plants.*
21. **Cassie Quigley.** *Rebuilding Community Spaces: Integrating Resilience into STEPWISE.*
22. **Ralph Levinson and The PARRISE Consortium.** *Socio-scientific*

Issue-based Learning: Taking Off From STEPWISE.

23. **Mellita Jones.** *"Preach or teach?": An Ongoing Journey to Becoming STEPWISE.*
24. **Lyn Carter and Jenny Martin.** *"I had to take action straight away." Preservice Teachers' Accounts of Pro-environmental Action.*
25. **Laura Colucci-Gray.** *Science Education for a Better World? Reflections on Embodiment, Language and Sensitive Action.*
26. **Audrey Groleau and Chantal Pouliot.** *WISE Preservice Teachers Discussing Social and Economic Disparities During a Discussion Game Dealing with Nanotechnologies.*
27. **Laurence Simonneaux and Jean Simonneaux.** *STEPWISE as a Vehicle for Scientific and Political Educ-action?*
28. **Matthew Weinstein.** *Understanding Opportunities and Contradictions in the Grammars of Activism and Schooling.*
29. **Isabel Martins.** *In Which Ways Can (Science) Education Promote the Well-being of Individuals, Societies and Environments?*
30. **Jessie Bazzul and Shakhnoza Kayumova.** *'STEPPING' Toward a Critical-activist Science Education: Dialoguing Subjectivity, Social Ontology and Multiplicities.*
31. **Ajay Sharma.** *Countering the Neoliberal Ontology of Nature: The STEPWISE Option.*
32. **Wolff-Michael Roth.** *STEPWISE: A Societal-historical Activity (Activism) Theoretical Perspective.*

Part IV. AFTERWORD

33. **Larry Bencze.** *Critical and Activist Science Education: Envisaging an Ecojust Future.*

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