Contents

Preface **7**

PART I

S. Laubé, O. Bruneau: **Inquiry Based Science Teaching and History of Science** **13**

P. Heering: **Developing and evaluating visual materials on historical experiments for physics teachers: Considerations, Experiences, and Perspectives** **29**

P. Grapí: **Using educational ICT to include history in science teaching and in science teacher training** **57**

M. Massa-Esteve: **The Role of the History of Mathematics in Teacher Training Using ICT** **81**

T. de Vittori: **Conceiving classroom IBST ICT EHST resources: practice analysis in mathematics** **109**

PART II

S. Lawrence: **Inquiry based mathematics teaching and the history of mathematics in the English curriculum** **125**

O. Bruneau, S. Laubé, T. de Vittori: **ICT and History of mathematics in the case of IBST** **145**

H. Ferrière: **Remarks about ethical specificities of presenting online resources in history of biology for inquiry-based science teaching** **161**

J. Gilliot, C. Pham-Nguyen, S. Garlatti, I. Rebai, S. Laubé: **Tackling Mobile & Pervasive Learning in IBST** **181**

I. Kanellos: **Patrimonial Traditions Meet Educational Preoccupations: The Interpretive Shift of the Accessibility Requirement** **203**

PART III

M. Bächtold, M. Guedj: **Towards a new strategy for teaching energy based on the history and philosophy of the concept of energy** **225**

I. Guevara Casanova: **Historical contexts in mathematics curriculum for secondary school** **239**

N. Cibulskaite: **Some peculiarities of mathematics teaching in Lithuanian basic school: computer, project, excursions, mathematics history** **251**

S. Le Gars: **Introduction of a historical perspective in physics secondary school: replication and use of Galileo's experiments between theatre and modelisation** **275**

C. Puig-Pla: **Suggestions for Introducing the History of Chinese Technology into Education** **287**

R. Sucarrats Riera, A. Camós Cabecerán: **The application of the history of science and the use of the Internet as methodological tool in the subject of sciences of the contemporary world** **311**

F. Romero Vallhonesta: **The Importance of Games of Chance at the Inception of Probability Theory.** **337**

Author index **355**