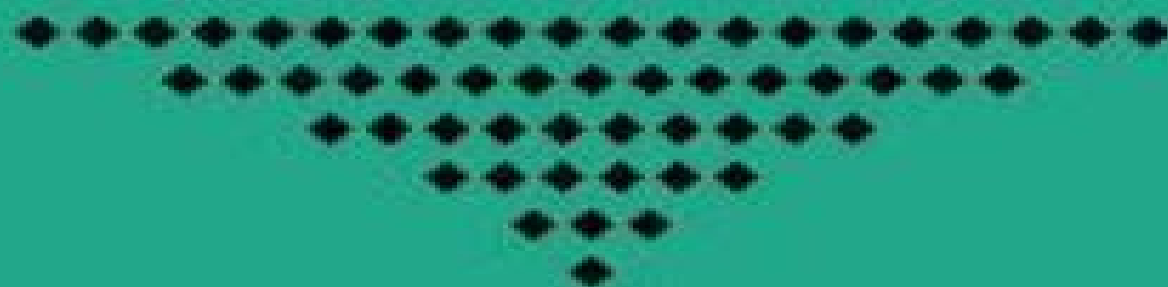


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ROBERT E. YAGER, Editor

Science Technology Society As Reform In Science Education

Robert E. Yager



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interdisciplinary and international coverage of the functions and effects of science and technology in society and culture Science Technology and Society contains over 130 A to Z signed articles written by major scholars and experts from academic and scientific institutions and institutes worldwide Each article is accompanied by a selected bibliography Other features include extensive cross referencing throughout a directory of contributors and an extensive topical index

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authors present an overview of their respective topics e g The Hunt Metcalf Model Science Technology Science Genocide Education In doing so they address among other concerns the following key theories goals objectives and the research base Many also provide a set of recommendations for adapting and or strengthening a particular model program or the study of a specific social issue In the annotated bibliographies accompanying the essays authors include those works that are considered classics and foundational They also include research and practice oriented articles Due to space constraints the annotated bibliographies generally offer a mere sampling of what is available on each approach program model or concern The book is composed of twenty two chapters and addresses an eclectic array of topics including but not limited to the following the history of teaching and learning about social issues George S Counts and social issues propaganda analysis Harold Rugg s textbook program Hunt and Metcalf s Reflective Thinking and Social Understanding Model Donald Oliver James Shaver and Fred Newmann s Public Issues Model Massialas and Cox Inquiry Model the Engle Ochoa Decisionmaking Model human rights education Holocaust education education for sustainability economic education global education multicultural education James Beane s middle level education integrated curriculum model Science Technology Society STS addressing social issues in the English classroom genocide education interdisciplinary approaches to incorporating social issues into the curriculum critical pedagogy academic freedom and teacher education

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