



Investigating and Evaluating STS:

Issues and Solutions



IN A NUTSHELL

Written by: Harold R. Hungerford,
Trudi L. Volk, & John M. Ramsey

Stipes Publishing Company
10-12 Chester Street
Champaign, IL 61820

phone: (217) 356-8391
fax: (217) 356-5753

Cost: \$26.80 teacher's edition.
\$13.80 student's edition.

SUBJECTS

Economics
Language Arts
Mathematics
Science
Social Studies

This curriculum is designed to help students become more effective and capable citizens by enabling them to come to grips with the new and evolving issues in science, technology and society (STS). Its stated goals are to 1) teach learners the differences and interrelationships between science, technology, and society, 2) teach learners the intellectual skills needed for the autonomous investigation of STS issues, 3) provide learners with an opportunity to investigate one or more STS issues, and 4) teach learners the skills associated with the resolution of STS issues.

Students are trained in how to proceed with their own evaluation and presented with options for follow-up actions. The text includes readings, photographs, worksheets, ratings, surveys, graphs and other evaluative and reflective instruments. The teacher's edition contains 108 extra pages of worksheets, text, answers to assignments, suggestions and activities.

Grade Level
6 & up

Length
188 pages

Date Published
Revised 2003

THE BOTTOM
LINE

“I think this curriculum helps build confidence in students that they can tackle any subject in EE and investigate and evaluate the issue and find a balanced solution.”

What the REVIEWERS Said !	Key Characteristics	Strengths Noted	Other Considerations
	Fairness and Accuracy	Balance of issues and dialog. Learners look at all perspectives. Represents tough issues fairly. Appears to represent industry fairly.	Possibility of subtle persuasion.
	Depth	Focus is on concepts and unifying ideas vs. specific content. Ties local and national/global issues and looks at context of issues.	
	Emphasis on Skills Building	Builds skill in analysis, criticism, evaluation, letter writing, and researching. Helps learner to go beyond provided materials.	
	Action Orientation	Includes chapter specifically on action. Incorporates values development regarding action and encourages balanced action. Empowers students to find solutions.	
	Instructional Soundness	Layout is learner-centered and material constructive. Includes ties to experiential and service learning.	Could benefit from more interactive activities. Relies heavily on reading.
	Usability	Very logical and usable. Effective use of photographs as support materials.	Layout and introduction not engaging. Some photographs may not reproduce well.

“This is a workbook/text designed to help students develop the idea of fairness and accuracy in analyzing all issues related to science and technology - not just environmental.”