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Nota di contenuto	Front Cover; Education, Industry and Technology; Copyright Page; Foreword; Acknowledgements; Table of Contents; Introduction; References; Section A: Industry, Technology and the Primary School ; Introduction; Visit to a textile dyeing factory; Visit to a bakery (10-11-year-olds); Chapter 1. Industry and Technology in the Primary School: Some General Principles; Feasibility and relevance for young children; A story from Wales; Technology in the classroom; Conclusion; References; Chapter 2. Industry and Technology in the Primary School: a Case Study from Indonesia; The study of a tea factory Class activity before the visitActivities during the visits; Activities after the visit; Chapter 3. Using Elementary Technology to Teach Primary Science; Conclusion; References; Section B: Industrial and Technological Issues in Secondary Science Curricula: Setting the Scene; Introduction; Chapter 4. Incorporation of Industry and Technology into the Teaching of Science; Why should industry and technology influence science teaching?; What strategy is proposed?; What resources are needed?; References

Chapter 5. Contrasting Approaches to the Introduction of Industry and Technology into the Secondary Science Curriculum Science first, or applications first?; "Science-first" exemplified: the Science and Technology in Society project; "Applications-first" exemplified: the Salters' Chemistry course; The two approaches compared; References; Chapter 6. Do Students Want to Learn About Industry?; References; Chapter 7. Discussion; Section C: Technology in the Secondary Science Curriculum ; Introduction; Reference; Chapter 8. Factors Affecting the Uptake of Technology in Schools Teacher/curriculum factors Resource factors; A place in the curriculum?; Acknowledgement; References; Chapter 9. School Physics and Rural Technology; Rural development and school physics in Kenya; Is physics relevant?; Ways of teaching physics for rural developments; Making a start; References; Chapter 10. Assimilation of Technology in Rural India - An Educational Approach; Chapter 11. Rural Technology for the Landless in Bangladesh; The target group; Examples of rural technology; An experimental rural technical school; A rural technology project Chapter 12. Education and Training for Biotechnology Educational objectives; Schools; Technical education; Universities and colleges of technology; Community education; Acknowledgement; Chapter 13. Teaching Biotechnology; Biology teaching in the secondary schools of Denmark; A theoretical framework; Traditional technology; Biotechnology; In industrial production; In agriculture; In medical treatment; In the future; In the secondary school; A practical example; Conclusions; Postscript; Acknowledgement; Chapter 14. Technology Education: A Union of Science and Technical Skills Materials from plants

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### Sommario/riassunto

Education, Industry and Technology is a result of a conference in Bangalore, which discusses industrial and technological issues in primary school science and other related topics. This text specifically examines building applications into secondary science curricula and strategies for teaching science, including the use of games and simulations, work experience programs, industrial visits, and methods of promoting technology as the means for solving problems. The needs of industry and the role of tertiary institutions in development are also some of the highlights of this text. This book will

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