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They display a variety of points of view depending on the researcher's own background even when a single domain of teaching, namely physics, is considered. We acknowledge the assistance of Michael Baker, who was responsible for reviewing the English of the contributions. February 1992 Andree Tiberghien Heinz Mandl Table of Contents Introduction 1 1. Teaching Situations and Physics Knowledge Introductory University Courses and Open Environment Approaches: The Computer as a Multi-role Mediator in Teaching/Learning Physics 5 E. Balzano, P. Guidoni, M. Moretti, E. Sassi, G. Sgueglia Practical Work Aid: Knowledge Representation in a Model Based AI System 21 J. Courtois Simultaneous Processing of Different Problem Aspects in Expert Problem Solving: An Analysis in the Domain of Physics on the Basis of Formal Theories of Commonsense Knowledge 35 A. Hron Modelis: An Artificial Intelligence System Which Models Thermodynamics Textbook Problems 47 G. Tisseau 2. Different Approaches to Student Modelling Steps Towards the Formalisation of a Psycho-logic of Motion 65 J. Bliss, J. The realities of new technological and social conditions since the 1990s demand a new approach to literacy teaching. Looking onward from the original statement of aims of the multiliteracies movement in 1996, this volume brings together top-quality scholarship and research that has embraced the notion and features new contributions by many of the originators of this approach to literacy. Drawing on large research projects and empirical evidence, the authors explore practical and educational issues that relate to multiliteracies, such as assessment, pedagogy and curriculum. The viewpoint taken is that multiliteracies is a complementary socio-cultural approach to the new literacies that includes pedagogy and learning. The differences are addressed from a multiliteracies perspective – one that does not discount or undermine the new literacies, but shows new ways in which they are complementary. Computers and the internet are transforming the way we work and communicate and the very notion of literacy itself. This volume offers frontline information and a vital update for those wishing to understand the evolution of multiliteracies and the current state of literacy theory in relation to it. The first section of the book matches highlighted emotions to colors, as well as a facial expressions. The second portion of the book is a simple workbook, to help children record and explore their own emotional concerns. **This is the chapter slice "Force and Motion Gr. 1-5" from the full lesson plan "Hands-On - Physical Science"**. Get your students excited about energy and all things that move with our Hands-On Physical Science resource for grades 1-5. 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