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Titolo	Accessible elements [[electronic resource]] : teaching science online and at a distance / / Dietmar Kennepohl and Lawton Shaw
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Collana	Issues in Distance Education
Disciplina	507.11
Soggetti	Science - Study and teaching (Higher) Science - Computer-assisted instruction Distance education Sciences - Etude et enseignement (Superieur) Sciences - Enseignement assisté par ordinateur Enseignement à distance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover Page; Contents; Foreword; Introduction; Learning; CHAPTER ONE: Interactions Affording Distance Science Education; CHAPTER TWO: Learning Science at a Distance: Instructional Dialogues and Resources; CHAPTER THREE: Leadership Strategies for Coordinating Distance Education Instructional Development Teams; CHAPTER FOUR: Toward New Models of Flexible Education to Enhance Quality in Australian Higher Education; Laboratories; CHAPTER FIVE: Taking the Chemistry Experience Home - Home Experiments or "Kitchen Chemistry" CHAPTER SIX: Acquisition of Laboratory Skills by On-Campus and Distance Education StudentsCHAPTER SEVEN: Low-Cost Physics Home Laboratory; CHAPTER EIGHT: Laboratories in the Earth Sciences; CHAPTER NINE: Remote Control Teaching Laboratories and Practicals; Logistics; CHAPTER TEN: Needs, Costs, and Accessibility of DE Science Lab Programs; CHAPTER ELEVEN: Challenges and Opportunities for

Teaching Laboratory Sciences at a Distance in a Developing Country;  
CHAPTER TWELVE: Distance and Flexible Learning at University of the South Pacific

CHAPTER THIRTEEN: Institutional Considerations: A Vision for Distance Education  
Author Biographies; Index; A; B; C; D; E; F; G; H; I; K; L; M; N; O; P; Q; R; S; T; U; V; W; X

**Sommario/riassunto**

Accessible Elements informs science educators about current practices in online and distance education: distance-delivered methods for laboratory coursework, the requisite administrative and institutional aspects of online and distance teaching, and the relevant educational theory. Delivery of university-level courses through online and distance education is a method of providing equal access to students seeking post-secondary education. Distance delivery offers practical alternatives to traditional on-campus education for students limited by barriers such as classroom scheduling, physical loca

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