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## **LPW374 - FREY LONG**

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The process of curriculum development is highly practical, as Goodson shows in this enlarged anniversary third edition of his seminal work. The position of subjects and their development within the curriculum is illustrated by looking at how school subjects, in particular, geography and biology, gained academic and intellectual respectability within the whole curriculum during the late 1960s and early 1970s. He highlights how subjects owe their formation and accreditation to competing status and their power to compete in the provision of 'worthwhile' knowledge and considers subjects as continually changing sub-groups of information. Such subjects from the framework of the society

in which individuals live and over which they have influence. This volume questions the basis on which subject disciplines are developed and formulates new possibilities for curriculum development and reform in a post-modernist age.

Each chapter describes a very specific aspect of Achalasia by its known expert. Current diagnostic and management strategies of Achalasia, as well as the simplified operative approaches with relevant technical considerations, are outlined for the specific target audience. The treatment of Achalasia is complex and usually performed in specialized tertiary-care centres. The Editors' main goal is to render this disease more understandable and accessible to residents, fellows, and specialists in both the

surgical disciplines (general surgery and thoracic surgery) and in gastroenterology.

This third volume details the applications of fluorescence spectroscopy in biochemistry and biophysics. Composite materials, often shortened to composites, are engineered or naturally occurring materials made from two or more constituent materials with significantly different physical or chemical properties which remain separate and distinct at the macroscopic or microscopic scale within the finished structure. The aim of this book is to provide comprehensive reference and text on composite materials and structures. This book will cover aspects of design, production, manufacturing, exploitation and maintenance of composite mate-

rials. The scope of the book covers scientific, technological and practical concepts concerning research, development and realization of composites.

First published in 2000. Routledge is an imprint of Taylor & Francis, an informa company.

This book provides a comprehensive review of established, cutting-edge, and future trends in the exponentially growing field of nanomaterials and their applications in biosensors and bioanalyses. Part I focuses on the key principles and transduction approaches, reviewing the timeline featuring the important historical milestones in the development and application of nanomaterials in biosensors and bioanalyses. Part II reviews various architectures used in nanobiosensing designs focusing on nanowires, one- and two-dimensional nanostructures, and plasmonic nanobiosensors with interferometric reflectance imaging. Commonly used nanomaterials, functionalization of the nanomaterials, and development of nanobioelectronics are discussed in detail in Part III with examples from screen-printed electrodes, nanocarbon films,

and semiconductor quantum dots. Part IV reviews the current applications of carbon nanotubes, nanoneedles, plasmonic sensors, electrochemical scanning microscopes, and field-effect transistors with the future outlook for emerging technologies. Attention is also given to potential challenges, in particular, of taking these technologies at the point-of-need. The book concludes by providing a condensed summary of the contents, with emphasis on future directions. Nanomaterials have become an essential part of biosensors and bioanalyses in the detection and monitoring of medical, pharmaceutical, and environmental conditions, from cancer to chemical warfare agents. This book, with its distinguished editors and international team of expert contributors, will be an essential guide for all those involved in the research, design, development, and application of nanomaterials in biosensors and bioanalyses.

An increasing number of families are becoming homeless, often as a result of domestic violence, which leaves women and their school age children without homes. This multidisciplinary volume is the first to look at the vari-

ety of problems encountered by this group and to propose strategies for managing those problems. The contributors to this book provide evidence that homeless children often have more acute problems and needs than other children; as a result of the insecurity of their situation, they may experience physical health problems and developmental delay. They are also at high risk of emotional and behavioural difficulties such as sleep disturbance, eating problems, aggression, over-activity, anxiety, depression and self-harm. At the same time, due to their unstable situation, they are less able to access support from the health, education and social services. Homeless Children defines the specific problems and needs of homeless children, and draws up practical guidelines for staff and agencies on recognising and dealing with those problems. It then looks at policy and service development for homeless families in education, health and social care, and concludes that conventional methods of provision have to be adapted to meet the specific needs of this vulnerable group.

In 1984 Desmond O'Connor and David Phillips pub-

lished their comprehensive book „Time-correlated Single Photon Counting“. At that time time-correlated single photon counting, or TCSPC, was used primarily to record fluorescence decay functions of dye solutions in cuvettes. From the beginning, TCSPC was an amazingly sensitive and accurate technique with excellent time-resolution. However, acquisition times were relatively slow due to the low repetition rate of the light sources and the limited speed of the electronics of the 70s and early 80s. Moreover, TCSPC was intrinsically one-dimensional, i.e. limited to the recording of the waveform of a periodic light signal. Even with these limitations, it was a wonderful technique. More than 20 years have elapsed, and electronics and laser techniques have made impressive progress. The number of transistors on a single chip has approximately doubled every 18 months, resulting in a more than 1,000-fold increase in complexity and speed. The repetition rate and power of pulsed light sources have increased by about the same factor. This text attempts to account for the growth of increased interest by sociol-

ogists and others in school subjects since the 1960s. Goodson's analysis of his own work examines the range of insights afforded of the nature of schooling and teaching through the study of school subjects.

Compiled for use in the Open University MA course E825. The 15 articles sample the ideas over the past decade on the importance of social factors in language and literacy development. They include theoretical and ethnographic accounts, cross-cultural and historical perspectives, and explorations of the political aspects and the discourses within which language and literacy are discussed. Annotation copyright by Book News, Inc., Portland, OR

This is the first major study of the roles of women in prime time soap operas. In a comparative analysis of British and North American television soaps, Christine Geraghty examines the relationship between the narratives on the screen and the women viewers who make up the traditional soap audience. Within the structure of many of the most popular soaps, such as Dallas, Dynasty, Coronation Street and EastEnders, the split between public

and personal life, reason and emotion, work and leisure is turned into a lynchpin of the plot. The author argues that these themes are also linked to broader social divisions between men and women, divisions which soap operas both question and develop as a source of pleasure. Geraghty analyses the critical role of women characters in the families and communities of soaps and suggests that the utopian possibilities of soaps can be used not just to maintain the status quo, but to promote change and influence attitudes and prejudices. She examines the way in which soaps have been transformed in the last decade, looking at how issues of class, race, sexual orientation and feminism have been handled in the programmes. She argues that in pursuing new audiences more recent soaps such as Brookside may have put at risk the pleasures they have traditionally offered their women viewers. Women and Soap Opera is a detailed, thoughtful and wide-ranging analysis which will become a central work in women's studies and media and cultural studies courses.

Animal cruelty is gaining attention worldwide. With

the rise of mandatory reporting requirements for veterinarians and prosecution of animal cruelty, veterinarians and pathologists need the resources to properly assist in these cases. *Veterinary Forensics* is a practical reference for veterinarians, pathologists and investigators. Written by a leading expert in veterinary forensics, it provides the background and resources needed to work with animal abuse cases. The book offers detailed and clear direction on crime scene investigation, forensic testing and forensic pathology findings, as well as guidance on handling evidence and conducting evaluations that will hold up in court. Primarily focused on dogs and cats, the principles and techniques in this book can be applied easily to other species as well. Photographs highlight pertinent forensic findings in animals, and extensive appendices include forms for examination, report writing, entomology collection, body condition scoring, forensic kits, forensic specialists and labs, and web resources.

In 1988, the renowned sociologist Pierre Bourdieu and the leading historian Roger Chartier met for a

series of lively discussions that were broadcast on French public radio. Published here for the first time, these conversations are an accessible and engaging introduction to the work of these two great thinkers, who discuss their work and explore the similarities and differences between their disciplines with the clarity and frankness of the spoken word. Bourdieu and Chartier discuss some of the core themes of Bourdieu's work, such as his theory of fields, his notions of habitus and symbolic power and his account of the relation between structures and individuals, and they examine the relevance of these ideas to the study of historical events and processes. They also discuss at length Bourdieu's work on culture and aesthetics, including his work on Flaubert and Manet and his analyses of the formation of the literary and artistic fields. Reflecting on the differences between sociology and history, Bourdieu and Chartier observe that while history deals with the past, sociology is dealing with living subjects who are often confronted with discourses that speak about them, and therefore it disrupts, disconcerts and encour-

ters resistance in ways that few other disciplines do. This unique dialogue between two great figures is a testimony to the richness of Bourdieu's thought and its enduring relevance for the humanities and social sciences today.

*Summary Arduino in Action* is a hands-on guide to prototyping and building electronics using the Arduino platform. Suitable for both beginners and advanced users, this easy-to-follow book begins with the basics and then systematically guides you through projects ranging from your first blinking LED through connecting Arduino to devices like game controllers or your iPhone. About the Technology Arduino is an open source do-it-yourself electronics platform that supports a mind-boggling collection of sensors and actuators you can use to build anything you can imagine. Even if you've never attempted a hardware project, this easy-to-follow book will guide you from your first blinking LED through connecting Arduino to your iPhone. About this Book *Arduino in Action* is a hands-on guide to prototyping and building DIY electronics. You'll start with the basics—unpacking your board and

using a simple program to make something happen. Then, you'll attempt progressively more complex projects as you connect Arduino to motors, LCD displays, Wi-Fi, GPS, and Bluetooth. You'll explore input/output sensors, including ultrasound, infrared, and light, and then use them for tasks like robotic obstacle avoidance. Arduino programs look a lot like C or C++, so some programming skill is helpful. What's Inside Getting started with Arduino—no experience required! Writing programs for Arduino Sensing and responding to events Robots, flying vehicles, Twitter machines, LCD displays, and more! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Authors Martin Evans is a professional developer, a lifelong electronics enthusiast, and the creator of an Arduino-based underwater ROV. Joshua Noble is an author and creative technologist who works with smart spaces. Jordan Hochenbaum uses Arduino to explore musical expression and creative interaction. Table of Contents Part 1 Getting started Chapter 1 Hello Arduino Chapter 2 Digital input

and output Chapter 3 Simple projects: input and output Part 2 Putting Arduino to work Chapter 4 Extending Arduino Chapter 5 Arduino in motion Chapter 6 Object detection Chapter 7 LCD displays Chapter 8 Communications Chapter 9 Game on Chapter 10 Integrating the Arduino with iOS Chapter 11 Making wearables Chapter 12 Adding shields Chapter 13 Software integration

Resonance Energy Transfer offers a comprehensive theoretical treatment, up-to-date experimental data, and an extensive list of important references, making it an invaluable reference for those who wish to make full use of this powerful tool in physical, chemical, or biological research.

The Indian Society of Genetics and Plant Breeding was established in 1941 in recognition of the growing contribution of improved crop varieties to the country's agriculture. Scientific plant breeding had started in India soon after the rediscovery of Mendel's laws of heredity. The Indian Agricultural Research Institute set up in 1905 and a number of Agricultural Colleges in different parts of the country carried out some of the earliest work mostly in the form of pure-line selec-

tions. In subsequent years, hybridization programmes in crops like wheat, rice, oilseeds, grain legumes, sugarcane and cotton yielded a large number of improved cultivars with significantly higher yields. A turning point came in the 1960s with the development of hybrids in several crops including inter-specific hybrids in cotton. And when new germplasm with dwarfing genes became available in wheat and rice from CIMMYT and IRRI, respectively, Indian plant breeders quickly incorporated these genes into the genetic background of the country's widely grown varieties with excellent grain quality and other desirable traits. This was to mark the beginning of modern agriculture in India as more and more varieties were developed, characterized by a high harvest index and response to modern farm inputs like the inorganic fertilizers. India's green revolution which has led to major surpluses of food grains and other commodities like sugar and cotton has been made possible by the work of one of the largest groups of plant breeders working in a coordinated network.

This work has been select-

ed by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

From the American College of Sports Medicine (ACSM), this text provides the reader with the information necessary to develop skills for assessing an individual's health-related physical fitness. It provides a practical "how-to-do-it" approach for performing assessment skills effectively, and an unders-

tanding of the theory behind and the importance of each skill or assessment. This edition has a new chapter on postural analysis and body alignment assessments, new photographs of key assessments and techniques, and updated references to ACSM's Guidelines for Exercise Testing and Prescription, Seventh Edition. 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 dis-

count 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.

This is a practical introduction to single molecule fluorescence experiments, the analysis of the data, and applications of the techniques to the study of biological structure and function.

This book presents Cildo's work, focusing on his "studies". A great part of his most relevant works are shown here not only through photos of them in exhibitions, but also through Cildo's drawings and sketches, which allow us to see his processes of creation. In here, there are well-known installations such as *Eureka / Blindhotland*, *Malhas da Liberdade*, *La Bruja* and *Desvio para o Vermelho*, *Através*. There are also some of his less known works, never before gathered in a book. Another highlight of the

book is a selection of 12 fundamental texts about Cildo's work, written by critics from all over the world, throughout his career, from his first exhibition in 1969 to 2017.

Examines the interplay between the normative and empirical aspects of the deliberative model of democracy.

Mobile context-awareness is a popular research trend in the field of ubiquitous computing. Advances in mobile device sensory hardware and the rise of 'virtual' sensors such as web application programming interfaces (APIs) mean that the mobile user is exposed to a vast range of data that can be used for new advanced applications. Mobile Context Awareness presents work from industrial and academic researchers, focusing on novel methods of context acquisition in the mobile environment - particularly through the use of physical and virtual sensors - along with research into new applications utilising this context. In addition, the book provides insights into the technical and usability challenges involved in mobile context-awareness, as well as observations on current and future trends in the field.

In *Cosmopolitanism and the Age of School Reform*,

noted educationalist Thomas Popkewitz explores turn-of-the-century and contemporary pedagogical reforms while illuminating their complex relation to cosmopolitanism. Popkewitz highlights how policies that include "all children" and leave "no child behind" are rooted in a philosophy of cosmopolitanism—not just in salvation themes of human agency, freedom, and empowerment, but also in the processes of abjection and the differentiation of the disadvantaged, urban, and child left behind as "Other."

Autism is a complex phenomenon that is both individual and social. Showing both robust similarities and intriguing differences across cultural contexts, the autism spectrum raises innumerable questions about self, subjectivity, and society in a globalized world. Yet it is often misrepresented as a problem of broken bodies and disordered brains. So, in 2015, a group of interdisciplinary scholars gathered in Rio de Janeiro, Brazil for an intellectual experiment: a workshop that joined approaches from psychological anthropology to the South American tradition of Collective Health in order to consid-

er autism within social, historical, and political settings. This book is the product of the ongoing conversation emerging from this event. It contains a series of comparative histories of autism policy in Italy, Brazil, and the United States; focuses on issues of voice, narrative, and representation in autism; and examines how the concept of autism shapes both individual lives and broader social and economic systems. Featuring contributions from: Michael Bakan Benilton Bezerra Pamela Block M. Ariel Cascio Jurandir Freire Costa Bárbara Costa Andrada Cassandra Evans Elizabeth Fein Clara Feldman Roy Richard Grinker Rossano Lima Francisco Ortega Dawn Prince-Hughes Clarice Rios Laura Sterponi Thomas S. Weisner Enrico Valtellina

Designed for independent learning, this book teaches the key concepts of physiology in an easy-to-understand way by inviting readers to colour in more than 150 pages of outline drawings.

Advanced spectroscopic techniques allow the probing of very small systems and very fast phenomena, conditions that can be considered "extreme" at the present status of our experimentation and knowl-

edge. Quantum dots, nanocrystals and single molecules are examples of the former and events on the femtosecond scale examples of the latter. The purpose of this book is to examine the realm of phenomena of such extreme type and the techniques that permit their investigations. Each author has developed a coherent section of the program starting at a somewhat fundamental level and ultimately reaching the frontier of knowledge in the field in a systematic and didactic fashion. The formal lectures are complemented by additional seminars.

Annotation. A critique of the lesbian sex industry's efforts to profit from women's oppression.

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Social Ecology of Infectious Diseases explores how human activities enable microbes to disseminate and evolve, thereby creating favorable conditions for the diverse manifestations of communicable diseases. Today, infectious and parasitic diseases cause about one-third of deaths and are the second leading cause of morbidity and mortality. The

speed that changes in human behavior can produce epidemics is well illustrated by AIDS, but this is only one of numerous microbial threats whose severity and spread are determined by human behaviors. In this book, forty experts in the fields of infectious diseases, the life sciences and public health explore how demography, geography, migration, travel, environmental change, natural disaster, sexual behavior, drug use, food production and distribution, medical technology, training and preparedness, as well as governance, human conflict and social dislocation influence current and likely future epidemics. Presents a crossover perspective for disciplines in the medical and social sciences and public policy, including public health, infectious diseases, population science, epidemiology, microbiology, food safety, defense preparedness and humanitarian relief. Creates a new perspective on ecology based on the interaction of microbes and human activities

This is the first comprehensive textbook on the physical aspects of organic solids. All phenomena

which are necessary in order to understand modern technical applications are being dealt with in a way which makes the concepts of the topics accessible for students. The chapters - from the basics, production and characterization of organic solids and layers to organic semiconductors, superconductors and opto-electronical applications - have been arranged in a logical and well thought-out order.

Multi-grade classes, common throughout the world, consist of more than one grade being taught simultaneously by the same teacher. Multi-grade classes vary in many ways, as discussed in this book; variations in context are also described, in general terms as well as by reference to specific countries. The book also includes teaching strategies for successful multi-grade practice, and various research and professional development projects that have improved the status and provision of multi-grade education. [Back cover, ed].

The Color Atlas of Veterinary Anatomy volume 2 presents a unique photographic record of dissections showing the topographical anatomy of the horse. With this book you



will be able to see the position and relationships of the bones, muscles, nerves, blood vessels and viscera that go to make up each region of the body and each organ system. Each book in this 3 volume series is packed with full-color photographs and drawings of dissections prepared specifically for these texts. Key features Accessibly

and systematically structured with each chapter devoted to a specific body region Important features of regional and topographical anatomy presented using full color photos of detailed dissections Dissections presented in the standing position Detailed color line drawings clarify the relationships of relevant structures Presents

anatomy in a clinical context This new edition second edition offers important new features, including: Accompanying website presents over 100 interactive quizzes and self-assessment questions Many more radiographs throughout Additional CT and MRI images Clinical notes highlight areas of particular clinical significance