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Epitaxial Silicon Technology is a single-volume, in-depth review of all the silicon epitaxial growth techniques. This technology is being extended to the growth of epitaxial layers on insulating substrates by means of a variety of lateral seeding approaches. This book is divided into five chapters, and the opening chapter describes the growth of silicon layers by vapor-phase epitaxy, considering both atmospheric and low-pressure growth. The second chapter discusses molecular-beam epitaxial growth of silicon, providing a unique ability to grow very thin layers with precisely controlled doping characteristics. The third chapter introduces the silicon liquid-phase epitaxy, in which the growth of silicon layers arose from a need to decrease the growth temperature and to suppress autodoping. The fourth chapter addresses the growth of silicon on sapphire for improving the radiation hardness of CMOS integrated circuits. The fifth chapter deals with the advances in the application of silicon epitaxial growth. This chapter also discusses the formation of epitaxial layers of silicon on insulators, such as silicon dioxide, which do not provide a natural single crystal surface for growth. Each chapter begins with a discussion on the fundamental transport mechanisms and the kinetics governing the growth rate, followed by a description of the electrical properties that can be achieved in the layers and the restrictions imposed by the growth technique upon the control over its electrical characteristics. Each chapter concludes with a discussion on the applications of the particular growth

technique. This reference material will be useful for process technologists and engineers who may need to apply epitaxial growth for device fabrication.

Includes 17 competencies/skills found on the CST Students with Disabilities test and 478 sample-test questions. This guide, aligned specifically to standards prescribed by the New York Department of Education, covers the sub-areas of Understanding and Evaluating Students with Disabilities; Promoting Student Learning and Development in a Collaborative Learning Community; and Working in a Collaborative Professional Environment.

Laudato Si 'is Pope Francis' second encyclical which focuses on the theme of the environment. In fact, the Holy Father in his encyclical urges all men and women of good will, the rulers and all the powerful on earth to reflect deeply on the theme of the environment and the care of our planet. This is our common home, we must take care of it and love it - the Holy Father tells us - because its end is also ours.

Selected by Mothership.SG as one of the Top 10 local non-fiction books of 2014 3rd Prize Winner of Popular Readers' Choice Award 2015, English (Adult) Category

Chiam See Tong (b. 1935) is Singapore's longest serving opposition politician. A member of parliament for nearly three decades, Chiam is also one of Singapore's most iconic, influential and beloved political figures.

Through his efforts in shaping Potong Pasir into a "model constituency", the veteran statesman has greatly contributed towards an increasingly pluralistic Singapore. When he first entered politics in 1976, there was not a

single opposition member in Parliament. As the founder of the Singapore Democratic Party, and later the Singapore People's Party, Chiam has long rallied for the need of an opposition as the essential democratic check on a one-party system. He is respected for his level-headed and non-confrontational stance, and is the only opposition member to have received public apologies and out-of-court damages from cabinet ministers of Singapore's ruling People's Action Party. Based on extensive interviews, family documents and party archives, *Let the People Have Him* is the first biography of an opposition politician from post-independence Singapore—a biography of a man who, through his accomplishments and devotion, struggled to build a fairer, more balanced and diverse country. Tracing the first half of a life fully lived, this book sheds light on Chiam's circuitous and colourful route to Parliament at the age of 49—from his revolutionary family background to his days as a champion school swimmer; from his political awakening in New Zealand to his stint as an inspiring school teacher in Malaysia; from training as a lawyer to his cross-continental romance with his wife Lina; from standing as an independent candidate in 1976 to winning the Potong Pasir seat in 1984 as the leader of the fledgling Singapore Democratic Party. *Let the People Have Him* draws a humanistic picture of Chiam in his early days—as his country changed around him before he was to change it—while revealing the guiding values that have made this humble and unassuming man revered for generations to come.

This book includes three full-length exams for the Liberal

Arts and Sciences Test (LAST), Assessment of Teaching Skills-Performance (ATS-P), and the Assessment of Teaching Skills--Written (ATS-W) tests. Comprehensive reviews in mathematics, English language and literature, history, the social and physical sciences, and communication skills are included. Essential for anyone seeking a teaching certificate in the state of New York.

Includes Practice Test Questions NYSTCE Secondary Assessment of Teaching Skills-Written (091) Secrets helps you ace the New York State Teacher Certification Examinations, without weeks and months of endless studying. Our comprehensive NYSTCE Secondary Assessment of Teaching Skills-Written (091) Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. NYSTCE Secondary Assessment of Teaching Skills-Written (091) Secrets includes: The 5 Secret Keys to NYSTCE Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; Introduction to the NYSTCE Series including: NYSTCE Assessment Explanation, Two Kinds of NYSTCE Assessments; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice

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Families; Along with a complete, in-depth study guide for your specific NYSTCE exam, and much more...

Mendelian Inheritance in Man: Catalogs of Autosomal Dominant, Autosomal Recessives, and X-Linked Phenotypes presents catalogs in connection with the genetics of the X chromosome. This book provides a catalog of dominant phenotypes and covers other entries, including anomalous hemoglobin, red cell antigenic types, leukocyte types, and serum protein types. This book begins with an overview of how to use the catalogs wherein two classes of entries have been made in each of the catalogs. This text then explains that each entry consists of three parts, namely, the preferred designation, a brief description of the phenotype with genetic information, and key references. This book discusses as well that in the case of recessives, manifestations in heterozygotes are usually listed. The reader is also introduced to the definition of dominant and recessive used in the preparation of the catalogs. This book is a valuable resource for experimental geneticists, physicians, and research workers.

REA's NYSTCE Students with Disabilities (060) Test Prep with Online Practice Tests Gets You Certified and in the Classroom! Fully Up-to-Date for the Current Exam!

Nationwide, nearly 300,000 teachers are needed annually, and all must take appropriate tests to be licensed. REA gets you ready for your teaching career with our outstanding library of Teacher Certification test preps. Our test prep is designed to help teacher candidates master the information on the NYSTCE Students with Disabilities (060) exam and get certified. It's perfect for college students, teachers, and career-changing professionals who are looking to become New York State Special Education teachers. Written by teacher education experts, this study package contains in-depth reviews of all the subareas and objectives tested on the

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NYSTCE Students with Disabilities exam: understanding and evaluating students with disabilities, promoting student learning and development, working in a collaborative professional environment, and more. End of chapter practice quizzes reinforce key concepts. Two full-length practice tests are offered online in a timed format with instant scoring, diagnostic feedback, and detailed explanations of answers. Each test features every type of question, subject area, and skill you need to know for the exam. Our online practice tests replicate the NYSTCE question format, allowing you to assess your skills and gauge your test-readiness. The online tests at REA's Study Center offer the most powerful scoring and diagnostic tools available today. Automatic scoring and instant reports help you zero in on the topics and types of questions that give you trouble now, so you'll succeed when it counts. Every practice exam comes with detailed feedback on every question. The book includes the same two practice tests that are offered online, but without the added benefits of detailed scoring analysis and diagnostic feedback. This complete test prep package comes with a customized study schedule and REA's test-taking strategies and tips. This test prep is a must-have for anyone who wants to teach students with disabilities in New York!

Disrupts popular myths about education in Asia and the Pacific. *Struggles over Difference* addresses education, schools, textbooks, and pedagogies in various countries of the Asia-Pacific, offering critical curriculum studies and policy analyses of national and regional educational systems. These systems face challenges linked to new economic formations, cultural globalization, and emergent regional and international geopolitical instabilities and conflicts. Contributors offer insights on how official knowledge, text, discourse, and discipline should be shaped; who should shape it; through which institutional agencies it should be administered; and

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social and cultural practices through which this should occur. The book disrupts popular myths about education in this part of the world, including base suppositions about the “other”: that Asian pedagogy is exclusively rote learning, that educational systems and governments here are faced with classical developing country issues, and that institutional and state formation in the region can be assessed on a North/West or left/right continuum. The essays not only map and reframe issues of difference for those who work in education in the Asia-Pacific, but also illuminate critical issues of curriculum and policy for teachers, students, teacher educators, and researchers worldwide. Yoshiko Nozaki is Assistant Professor of Educational Leadership and Policy at the University at Buffalo, State University of New York. Roger Openshaw has a Personal Chair in Education History at Massey University at Palmerston North in New Zealand. Allan Luke is Professor of Education at the Centre for Research in Pedagogy and Practice, National Institute of Education, Nanyang Technological University in Singapore.

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The gold-standard guide from the AAP and ACOG -- newly updated and more valuable than ever! Significantly revised and updated, the new 8th edition of this bestselling manual provides the latest recommendations on quality care of pregnant women, their fetuses, and their newborn infants. Jointly developed by the American Academy of Pediatrics (AAP) and American College of Obstetricians and Gynecologists (ACOG), this unique resource addresses the full spectrum of perinatal medicine from both the obstetric and pediatric standpoints. New in the 8th editon: New section on suggested levels of maternal care from birth centers to Level IV institutions New sections on screening for preterm delivery risk added to chapter on antepartum care New topics covered

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include the timing of cord clamping, the need (or not) for bedrest, and updates in hypertension Guidance regarding postpartum contraception recommendations has been expanded New section on mosquito-borne illnesses (including Zika) New section on infections with high-risk infection control issues Updated recommendations on neonatal resuscitation, screening and management of hyperbilirubinemia, and neonatal drug withdrawal.

An index to translations issued by the United States Joint Publications Research Service (JPRS).

The third edition of Jarvis's Health Assessment and Physical Examination is an ideal text for undergraduate nursing students new to health assessment and registered nurses wishing to further develop and refine their skills. Advanced health assessment skills are described and will be useful for Nurse Practitioner candidates. The textbook is colour-coded and easy to follow. Each chapter sets out the eight key elements of health assessment: structure and function, developmental considerations, social and cultural considerations, subjective data, objective data, promoting a healthy lifestyle, documentation and critical thinking and abnormal findings. Advanced concepts allow students to progress once they understand the basics. Edited by Helen Forbes and Elizabeth Watt, this comprehensive text has been adapted and updated by leading academics and expert clinicians across Australia and New Zealand. Comprehensive approaches to health assessment in nursing, incorporating anatomy, physiology and pathophysiology Detailed identification of relevant development, social and cultural considerations in the Australian and New Zealand context Increased focus on frameworks for health assessment Logical layout and colour coding to support learning An eBook included in all print purchases Additional resources on Evolve eBook on VitalSource Instructor resources: Test bank PPT

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slides Image collection Student and Instructor resources: Multiple choice review questions Weblinks Videos Increased content on screening for family violence and abuse and mental health assessment A suite of point of view videos demonstrating core health assessment techniques for some of the difficult skills and concepts related to health assessment examinations

Dr. D. S. Henderson, Chairman of the J. L. B. Smith Institute of Ichthyology and Vice Chancellor of Rhodes University This book is a unique, international collaborative effort ranging all of the colour plates for the book. For the past of 76 scientists, representing 15 countries. Several skilled eight years, she has been assisted in the research, writing artists and photographers have also contributed to the and editing of the book by Dr. P. C. Heemstra. numerous and beautiful illustrations. Research done in It is essential for the proper management of the marine South Africa was supported by the Council for Scientific fish resources of southern Africa that we know what species and Industrial Research. Work on the book at the J.L.B. we are dealing with. This book will greatly facilitate the Smith Institute was also funded by the Department of identification of our fishes. It will thus be of vital import National Education and The Trustees of the Sea Fishes of ance to the understanding and wise use of our tremendously Southern Africa Book Fund. Expenses of visits by ichthy diverse and valuable fish fauna. ologists from overseas were defrayed by a grant from the We are proud of the affiliation of the J.L.B. Smith Insti John S. Schlesinger Foundation. tute with Rhodes University and happy to see the successful Although this book is an impressive contribution to the completion of this long-awaited work.

We often hear that humans spend one third of their lives sleeping—and most of us would up that fraction if we could. Whether we're curling up for a brief lunchtime catnap,

catching a doze on a sunny afternoon, or clocking our solid eight hours at night, sleeping is normally a reliable way to rest our heads and recharge our minds. And our bodies demand it: without sufficient sleep, we experience changes in mood, memory loss, and difficulty concentrating. Symptoms of sleep deprivation can be severe, and we know that sleep is essential for restoring and rejuvenating muscles, tissue, and energy. And yet, although science is making remarkable inroads into the workings and functions of sleep, many aspects still remain a mystery. In *The Science of Sleep*, sleep expert Wallace B. Mendelson explains the elements of human sleep states and explores the variety of sleep disorders afflicting thousands of people worldwide. Mendelson lays out the various treatments that are available today and provides a helpful guide for one of life's most important activities. By offering the first scientific yet accessible account of sleep science, Mendelson allows readers to assess their personal relationships with sleep and craft their own individual approaches to a comfortable and effective night's rest. Addressing one of the major public health issues of the day with cutting-edge research and empathetic understanding, *The Science of Sleep* is the definitive illustrated reference guide to sleep science.

The State and the Politics of Knowledge extends the insightful arguments Michael Apple provided in *Educating the "Right" Way* in new and truly international directions. Arguing that schooling is, by definition, political, Apple and his co-authors move beyond a critical analysis to describe numerous ways of interrupting dominance and creating truly democratic and realistic alternatives to the ways markets, standards, testing, and a limited vision of religion are now being pressed into schools.

Cervical cancer is the second most common form of cancer found in women, and it is responsible for more than a quarter

of a million deaths worldwide each year. With approximately 70% of cervical cancers now known to be caused by two types of the human papilloma virus (HPV), there is great interest surrounding the approval of the first preventative vaccines for clinical use. Despite this excitement, many questions remain about how the new vaccines should best be implemented and how cervical cancer screening will change following vaccination. Part of the Oxford Oncology Library series, this practical handbook provides an overview of the role of HPV in the pathology of cervical cancer and its current screening and management, the principles of immune control of HPV infection in cervical cancer, and the challenges of implementing HPV vaccines and future developments.

Doctors routinely deny patients access to hormonal birth control prescription refills, and this issue has broad interest for feminism, biomedical ethics, and applied ethics in general. *Medical Sexism* argues that such practices violate a variety of legal and moral standards, including medical malpractice, informed consent, and human rights. Jill B. Delston makes the case that medical sexism serves as a major underlying cause of these systemic and persistent violations. Delston also considers other common abuses in the medical field, such as policy on abortion access and treatment in childbirth. Delston argues that sexism is a better explanation for the widespread abuse of patient autonomy in reproductive health and health care generally. Identifying, addressing, and rooting out medical sexism is necessary to successfully protect medical and moral values.

This book offers clear, up-to-date guidance on how to report cytologic findings in cervical, vaginal and anal samples in accordance with the 2014 Bethesda System Update. The new edition has been expanded and revised to take into account the advances and experience of the past decade. A new chapter has been added, the terminology and text have

been updated, and various terminological and morphologic questions have been clarified. In addition, new images are included that reflect the experience gained with liquid-based cytology since the publication of the last edition in 2004. Among more than 300 images, some represent classic examples of an entity while others illustrate interpretative dilemmas, borderline cytomorphologic features or mimics of epithelial abnormalities. The Bethesda System for Reporting Cervical Cytology, with its user-friendly format, is a “must have” for pathologists, cytopathologists, pathology residents, cytotechnologists, and clinicians.

Part Three in the Fishes of the Western North Atlantic series describes the sturgeons and a portion of the many bony fishes that make up the ichthyological fauna of the western North Atlantic from Hudson Bay southward to the easternmost tip of South America. Specialist authorships of its sections include detailed species descriptions with keys, life history and general habits, abundance, range, and relation to human activity, such as economic and sporting importance. The text is written for an audience of amateur and professional ichthyologists, sportsmen, and fishermen, based on new revisions, original research, and critical reviews of existing information. Species are illustrated by exceptional black and white line drawings, accompanied by distribution maps and tables of meristic data.

In this extensive collection, 145 practitioners from around the world tell how CranioSacral Therapy, a method of using gentle pressure to evaluate and improve the functioning of the central nervous system, has made a difference in their clients' lives. Beginning with a foreword by the treatment's developer, the book is divided into three main

sections with stories about children, adults, and animals. Detailed, first-person accounts of actual CranioSacral interventions illustrate the therapy's efficacy and wide range of applications and the degree to which it complements traditional as well as nontraditional treatments. The book holds appeal not only for CranioSacral practitioners, including osteopaths, chiropractors, naturopaths, physical therapists, acupuncturists, and other body workers, but also for anyone interested in alternative ways to reduce pain and enhance the body's functioning. Written by Gabby Koutoukidis and Kate Stainton, *Tabbner's Nursing Care: Theory and Practice* 8th edition provides students with the knowledge and skills they will require to ensure safe, quality care across a range of healthcare settings. Updated to reflect the current context and scope of practice for Enrolled Nurses in Australia and New Zealand, the text focuses on the delivery of person-centred care, critical thinking, quality clinical decision making and application of skills. Now in an easy to handle 2 Volume set the textbook is supported by a skills workbook and online resources to provide students with the information and tools to become competent, confident Enrolled Nurses. Key features All chapters aligned to current standards including the NMBA Decision Making Framework (2020), the Enrolled Nurse Standards for Practice (2016) and the National Safety & Quality Health Services Standards

(2018) Clinical skills videos provide visual support for learners Supported by Essential Enrolled Nursing Skills Workbook 2nd edition An eBook included in all print purchases New to this edition Chapter 5 Nursing informatics and technology in healthcare focuses on competency in nursing informatics for beginning level practice, aligned to the National Nursing and Midwifery Digital Capability Framework 2020 An increased focus on cultural competence and safety Supported by Elsevier Adaptive Quizzing Tabbner's Nursing Care 8th edition
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