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Impact of face covering on social cognition and interaction Computer Vision - ECCV 2008 'A' Level ICT Atomic and Nano Scale Materials for Advanced Energy Conversion, 2 Volumes A/AS Level Computer Science for WJEC/Eduqas Student Book Fields, Forces and Synthesis Agriculture Handbook Sources [and] Chants Career Development for Teachers Hands-On RESTful Web Services with TypeScript 3 Schools Abroad of Interest to Americans San Bernardo e l'Italia Rerum Britannicarum Medii Aevi Scriptorum WJEC AS Chemistry Advances in Applied Sciences and Manufacturing Practical Linux Infrastructure People's Daily Graphic SEIA' 2019 Conference Proceedings Daily Graphic IGCSE Information and Communication Technology Computer Analysis of Images and Patterns WJEC/Eduqas Media Studies for A Level Year 1 and AS Scientific and Technical Aerospace Reports Symposium Star Forming Regions Die Laute und ihre Stimmungen in der ersten Hälfte des 17. Jahrhunderts Molecular Dynamics Simulations in Statistical Physics: Theory and Applications A Level Further Mathematics for OCR A Mechanics Student Book (AS/A Level) Quantum Efficiency in Complex Systems Class in the New Millennium The Complete Companions for Wjec: Student Book: Year 1 and as Psychology Report of the Commission of Inquiry Into the Salaries, Salary Structures, and Conditions of Service of the Zambia Public and Teaching Services, the Zambia Police Force and Prisons Service, the Defence Forces, and the Staffs of Local Authorities, Including Casual and Daily-paid Employees, and of Personnel Employed by Statutory Boards and Corporations, and by Companies in which the State Has a Majority Or Controlling Interest The Complete Companions: Eduqas Year 2 Psychology Student Book Quality Control in the Beverage Industry Edexcel Chemistry A Level Mathematics for OCR A Student Book 1 (AS/Year 1) Annual Report of the Secretary of the State Horticultural Society of Michigan Waves and Our Universe Core Mathematics 2 Electrochemistry

The four-volume set comprising LNCS volumes 5302/5303/5304/5305 constitutes the refereed proceedings of the 10th European Conference on Computer Vision, ECCV 2008, held in Marseille, France, in October 2008. The 243 revised papers presented were carefully reviewed and selected from a total of 871 papers submitted. The four books cover the entire range of current issues in computer vision. The papers are organized in topical sections on recognition, stereo, people and face recognition, object tracking, matching, learning and features, MRFs, segmentation, computational photography and active reconstruction. Quality Control in the Beverage Industry, volume 17, in the Science of Beverages series, presents a detailed account of the most common aspects and challenges relating to quality control. It covers the latest global trends in how to improve beverages using assessment tools, authenticity approaches and novel quality control technologies. The book presents a great, hands on approach for anyone who needs to understand the big picture regarding analytical methods. Topics covered include safety, the economic impacts of contamination, and detection techniques. Provides tools to assess and measure sulfites in beverages using different instrumental techniques Presents the application of nanotechnology for the improvement of beverages, including taste, structure and overall quality Includes analytical procedures for measuring and controlling quality Easing the transition from GCSE to AS level, this textbook meets the 2004 Edexcel specifications and provides numerous worked examples and solutions to aid understanding of key concepts. Proceedings of the 5th International Conference on Sensors and Electronic Instrumentation Advances SEIA' 2019), 25-27 September 2019, Tenerife (Canary Islands), Spain. The coverage includes: various physical sensors, gas sensors, optical and fiber optical sensors and systems, biosensors, sensors networks and applications. Atomic and Nano Scale Materials for Advanced Energy Conversion Discover the latest advancements in energy conversion technologies used to develop modern sustainable energy techniques In Atomic and Nano Scale Materials for Advanced Energy Conversion, expert interdisciplinary researcher Dr. Zongyou Yin delivers a comprehensive overview of nano-to-atomic scale materials science, the development of advanced electrochemical, photochemical, photoelectrochemical, and photovoltaic energy conversion strategies, and the applications for sustainable water splitting and other technologies. The book offers readers cutting-edge information of two-dimensional nano, mixed-dimensional nano, nano rare earth, clusters, and single atoms. It constructively evaluates emerging nano-to-atomic scale energy conversion technologies for academic research and development (R&D) researchers and industrial technique consultants and engineers. The author sets out a systematic analysis of recent energy-conversion science, covering topics like adaptable manufacturing of Van der Waals heterojunctions, mixed-dimensional junctions, tandem structures, and superlattices. He also discusses function-oriented engineering in polymorphic phases, photon absorption, excitons-charges conversion, non-noble plasmonics, and solid-liquid-gas interactions. Readers will also benefit from: A thorough introduction to emerging nanomaterials for energy conversion, including electrochemical, photochemical, photoelectrochemical, and photovoltaic energy conversion An exploration of clusters for energy conversion, including electrochemical, photochemical, and photoelectrochemical clusters Practical discussions of single atoms for energy conversion in electrochemical, photochemical, and photoelectrochemical energy conversion technologies A thorough analysis of future perspectives and directions in advanced energy conversion technology Perfect for materials scientists, photochemists, electrochemists, and inorganic chemists, Atomic and Nano Scale Materials for Advanced Energy Conversion is also a must-read resource for catalytic chemists interested in the intersection of advanced chemistry and physics in energy conversion technologies. Proceedings of the 115th Symposium of the International Astronomical Union held in Tokyo, Japan, November 11-15, 1985 Volume is indexed by Thomson Reuters CPCI-S (WoS) Collection of selected, peer reviewed papers from the 2013 International Forum on Materials Analysis and Testing Technology (IFMATT 2013), December 9-10, 2013, Qingdao, China. The 319 papers are grouped as follows: Chapter 1: Materials Science and Chemistry. Research, Analysis and Testing; Chapter 2: Mechanical Engineering and Industrial Manufacturing: Design, Analysis and Testing; Chapter 3: Mechatronics, Robotics, Control and Automation, Communication and Information Technologies. Research, Analysis and Applications; Chapter 4: Signal and Data Processing, Applied and Computational Mathematics, Algorithms and Procedures; Chapter 5: Management Science, Engineering Management, Economics, Logistics and Business Applications; Chapter 6: Medical and Pharmacology, Biotechnology and Agriculture; Chapter 7: Environmental Protection and Resource Development Class in the New Millennium paints a fresh and comprehensive picture of social class in Britain today. Anchored in a broad repertoire of methods and pursuing a distinctive theoretical agenda, it not only painstakingly maps the structure, transformation and effects of the UK's key fault lines but goes behind closed doors to see how they play out in everyday family life. Throughout the book Atkinson throws new light on a diverse array of themes, including: the continued effects of deindustrialisation, educational expansion, feminisation of the workforce and surging employment insecurity; the persistence of lifestyle cleavages despite cultural and technological change; the growth of political disengagement, the transformation of the Labour Party and the rise of nationalism; the entwinement of class with space, place and physical movement; and the way in which class interacts with intimate relations to shape not just the way we decorate our walls or talk over the dining table but the very reproduction of the class structure itself. This innovative title will appeal to scholars as well as advanced undergraduate and postgraduate students interested in the fields of sociology, politics and political science, cultural studies, cultural geography, social policy and social work. Practical Linux Infrastructure teaches you how to use the best open source tools to build a new Linux infrastructure, or alter an existing infrastructure, to ensure it stands up to enterprise-level needs. Each chapter covers a key area of implementation, with clear examples and step-by-step instructions. Using this book, you'll understand why scale matters, and what considerations you need to make. You'll see how to switch to using Google Cloud Platform for your hosted solution, how to use KVM for your virtualization, how to use Git, Postfix, and MySQL for your version control, email, and database, and how to use Puppet for your configuration management. For enterprise-level fault tolerance you'll use Apache, and for load balancing and high availability, you'll use HAProxy and Keepalived. For trend analysis you'll learn how to use Cacti, and for notification you'll use Nagios. You'll also learn how to utilize BIND to implement DNS, how to use DHCP (Dynamic Host Configuration Protocol), and how to setup remote access for your infrastructure using VPN and Iptables. You will finish by looking at the various tools you will need to troubleshoot issues that may occur with your hosted infrastructure. This includes how to use CPU, network, disk and memory management tools such as top, netstat, iostat and vmstat. Author Syed Ali is a senior site reliability engineering manager, who has extensive experience with virtualization and Linux cloud based infrastructure. His previous experience as an entrepreneur in infrastructure computing offers him deep insight into how a business can leverage the power of Linux to their advantage. He brings his expert knowledge to this book to teach others how to perfect their Linux environments. Become a Linux infrastructure pro with Practical Linux Infrastructure today. Set includes revised editions of some issues. Endorsed by WJEC, and written by a team of experienced senior examiners this is the only study and revision guide that precisely matches the WJEC AS Chemistry course. It contains essential course notes, revision advice, and examiner tips on how to boost grades as well as a Q&A section with model student answers, examiner commentaries and marks. Designed to help student and practising teachers further their careers and apply for new jobs, this text describes where to look for a job, how to approach the interview, how to write a letter of application and prepare a CV, and how to map out career priorities. Fully revised to match the new 2015 specification from Eduqas, this book is written by senior examiners Lucy Hartnoll and Rhiannon Murray, alongside expert author Cara Flanagan. Packed with plenty of study and exam preparation features, it includes new studies and topics as well as extended evaluation of studies. This volume is a key reference in the field of electrochemistry, allowing the reader to easily become acquainted with the latest research and opinion. Summary: Radiationless transfer of excitation energy is at the heart of many processes in quantum physics, chemistry and nanotechnology. Currently, the standard picture of an incoherent Förster resonant excitation transfer is being challenged by the experimental findings of a long-lived quantum mechanical coherence in biomolecular light harvesting complexes. The role of this in molecular aggregates is addressed in the first part of this volume. Utilizing some of the underlying principles to optimize nano scale devices, the second part addresses systems of colloid quantum dots and polymer based organic solar cells. Fully revised to match the new 2015 specification from WJEC, this book is written by senior examiners Lucy Hartnoll and Rhiannon Murray, alongside expert author Cara Flanagan. Packed with plenty of study and exam preparation features, it includes new studies and topics as well as extended evaluation of studies. This text is designed to cover the

AQA A-Level Information and Communication Technology syllabus. It is divided into five sections, each covering the material for one of the four Theory modules, with an extra section giving advice on project work. Please note this title is still being made available for students sitting their examinations in 2015. Our second edition supports the updated syllabus for first examination 2016. Textbook and free CD-ROM, endorsed by Cambridge International Examinations for the IGCSE syllabus in Information and Communication Technology (0417) for final examination 2015. - Written by experienced examiners and teachers, who bring a wealth of theoretical knowledge and practical experience to both the book and the CD - Ensures that students are fully prepared for both the written theory paper as well as the two practical papers. - Each Section of the syllabus is fully covered in the text book, with clear explanations and plenty of tasks and activities. - The CD contains source files for the tasks and activities, as well as examination-style questions (with model answers) and a glossary. This book constitutes the refereed proceedings of the biennially held International Conference on Computer Analysis of Images and Patterns, CAIP 2009, which took place in Münster, Germany, September 2-4, 2009. The 148 papers presented together with 2 invited talks were carefully reviewed and selected from 405 submissions. The papers are organized in topical section on: biometrics, calibration, document analysis, features, graph representations, image processing, image registration, image and video retrieval, medical imaging, object and scene recognition, pattern recognition, shape recovery, segmentation, stereo and video analysis, texture analysis, and applications. Endorsed by WJEC/Eduqas, this Student Book offers high quality support you can trust. Written by experienced Media Studies teachers and examiners, this engaging resource will encourage your students to become confident, independent learners and develop their skills as Media students.// All areas of the specification are covered and supported by numerous highly-illustrated examples taken from the set products and optional choices. // The theoretical framework underpinning media studies is explored and applied to a range of media forms and products. // A dedicated chapter on the Non-Examined Assessment element of the specification provides clear guidance on how students will be assessed. // Exam guidance sections introduce students to practice questions and the assessment objectives helping students with the skills they need for assessment. // Extension tasks will help to stretch and challenge higher ability students. // The book supports students taking Media Studies for the first time, as well as those who are progressing from GCSE. Revise for AS & A2 Biology with confidence! Providing complete study support throughout the two A Level years, this Edexcel Chemistry study guide matches the curriculum content and provides in-depth course coverage. Written by experienced AS and A2 examiners this book includes invaluable advice on how to get the best results in the exams. Providing plenty of exam practice and frequent progress checks and questions to consolidate learning, this AS & A2 Edexcel Chemistry study guide contains invaluable advice and preparation for the exam. Extensive coverage of the Edexcel course: * AS & A2 specification checklists to organise your studies * tick boxes to record your progress and plan your revision * in-depth coverage of core AS & A2 topics Also included in this book: * examiner's tips that reveal how to achieve higher marks * exam board labels that allow students to identify content relevant to their course * topics subdivided into short, manageable sections * highlighted key points and terminology, and examiner's hints to offer guidance * progress check questions to test recall and understanding * sample questions and model answers that reveal what examiners are looking for * exam-style questions and answers that provide crucial exam practice New 2017 Cambridge A Level Maths and Further Maths resources to help students with learning and revision. Written for the OCR AS/A Level Further Mathematics specification for first teaching from 2017, this print Student Book covers the Mechanics content for AS and A Level. It balances accessible exposition with a wealth of worked examples, exercises and opportunities to test and consolidate learning, providing a clear and structured pathway for progressing through the course. It is underpinned by a strong pedagogical approach, with an emphasis on skills development and the synoptic nature of the course. Includes answers to aid independent study. Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database. Written for the WJEC/Eduqas A/AS Level Computer Science specifications for first teaching from 2015, this print student book helps students build their knowledge and master underlying computing principles and concepts. The student book develops computational thinking, programming and problem-solving skills. Suitable for all abilities, it puts computing into context and gives students a real-life view on professional applications of computing skills. Answers to end-of-chapter questions are located in the free online teacher's resource. A Cambridge Elevate enhanced edition is also available. New 2017 Cambridge A Level Maths and Further Maths resources help students with learning and revision. Written for the OCR AS/A Level Mathematics specifications for first teaching from 2017, this print Student Book covers the content for AS and the first year of A Level. It balances accessible exposition with a wealth of worked examples, exercises and opportunities to test and consolidate learning, providing a clear and structured pathway for progressing through the course. It is underpinned by a strong pedagogical approach, with an emphasis on skills development and the synoptic nature of the course. Includes answers to aid independent study. A step-by-step guide that will help you design, develop, scale, and deploy RESTful APIs with TypeScript 3 and Node.js Key FeaturesGain in-depth knowledge of OpenAPI and Swagger to build scalable web servicesExplore a variety of test frameworks and test runners such as Stryker, Mocha, and ChaiCreate a pipeline by Dockerizing your environment using Travis CI, Google Cloud Platform, and GitHubBook Description In the world of web development, leveraging data is the key to developing comprehensive applications, and RESTful APIs help you to achieve this systematically. This book will guide you in designing and developing web services with the power of TypeScript 3 and Node.js. You'll design REST APIs using best practices for request handling, validation, authentication, and authorization. You'll also understand how to enhance the capabilities of your APIs with ODMs, databases, models and views, as well as asynchronous callbacks. This book will guide you in securing your environment by testing your services and initiating test automation with different testing approaches. Furthermore, you'll get to grips with developing secure, testable, and more efficient code, and be able to scale and deploy TypeScript 3 and Node.js-powered RESTful APIs on cloud platforms such as the Google Cloud Platform. Finally, the book will help you explore microservices and give you an overview of what GraphQL can allow you to do. By the end of this book, you will be able to use RESTful web services to create your APIs for mobile and web apps and other platforms. What you will learnExplore various methods to plan your services in a scalable wayUnderstand how to handle different request types and the response status codeGet to grips with securing web servicesDelve into error handling and logging your web services for improved debuggingUncover the microservices architecture and GraphQLCreate automated CI/CD pipelines for release and deployment strategiesWho this book is for If you're a developer who has a basic understanding of REST concepts and want to learn how to design and develop RESTful APIs, this book is for you. Prior knowledge of TypeScript will help you make the most out of this book. This book presents computer simulations using molecular dynamics techniques in statistical physics, with a focus on macromolecular systems. The numerical methods are introduced in the form of computer algorithms and can be implemented in computers using any desired computer programming language, such as Fortran 90, C/C++, and others. The book also explains how some of these numerical methods and their algorithms can be implemented in the existing computer programming software of macromolecular systems, such as the CHARMM program. In addition, it examines a number of advanced concepts of computer simulation techniques used in statistical physics as well as biological and physical systems. Discussing the molecular dynamics approach in detail to enhance readers understanding of the use of this method in statistical physics problems, it also describes the equations of motion in various statistical ensembles to mimic real-world experimental conditions. Intended for graduate students and research scientists working in the field of theoretical and computational biophysics, physics and chemistry, the book can also be used by postgraduate students of other disciplines, such as applied mathematics, computer sciences, and bioinformatics. Further, offering insights into fundamental theory, it as a valuable resource for expert practitioners and programmers and those new to the field. The revised edition of the highly successful Nelson Advanced Science Physics series comprises lively, high quality student books for AS and A2 Level Physics. Nelson Thornes and Edexcel have listened carefully to customer feedback to bring the best, most accurate and up-to-date materials to the classroom. This is the only fully endorsed Advanced Level modular Edexcel specific course and Waves and Our Universe provides full content coverage of Unit 4 of the AS and A2 Level specifications. Providing thorough coverage of key topics in physics, the revised edition of 'Fields, Forces and Synthesis' meets the latest Edexcel specifications for A and AS levels.