Coherent and convenient organization Mix of general educational perspectives and computing-specific elements Connections between teaching in general and teaching computing Bath historical and contemporary perspectives This book presents practical approaches, tips, and techniques that provide a strong starting place for new computing faculty and perspectives for reflection by seasoned faculty wishing to freshen their own teaching.

Mathematics - Analysis and Approaches Marlene Torres Skoumal 2019-03 Featuring a wealth of digital content, this concept-based Print and Enhanced Online Course Pack has been developed in cooperation with the 88 to provide the most comprehensive support for the new OP Mathematics: analysis and approaches HL syllabus, for first teaching in September 2019.


Cambridge International AS and A Level Mathematics: Mechanics Coursebook (an) Dangerfield 2018-03-22 This series has been developed specifically for the Cambridge International AS & A Level Mathematics (9709) syllabus to be examined from 2020. Cambridge International AS & A Level Mathematics: Mechanics matches the corresponding unit of the syllabus, with clear and logical progression through. It contains materials on topics such as velocity and acceleration, force and motion, friction, connected particles, motion in a straight line, momentum, and work and energy. This coursebook contains a variety of features including recap sections for students to check their prior knowledge, detailed explanations and worked examples, end-of-chapter and cross-topic review exercises and 'Explore' tasks to encourage deeper thinking around mathematical concepts. Answers to coursework questions are at the back of the book.

Cambridge IGCSE Geography John Belfield 2012-01-01 An investigative approach to Cambridge IGCSE Geography, written in partnership with the Geographical Association. Encourage students to make links between case studies and their own local contexts as well as exploring the core themes and skills of the 0460 syllabus in the context of global case studies and processes. Prepare for exam success with full coverage of the core themes of Paper 1 (Population and Settlement, The Natural Environment, Economic Development and the Use of Resources) as well as the geographical and fieldwork skills elements of Papers 2, 3 and 4. Help students focus on achieving the best grades with excellent exam support for each Paper, with exam-style questions, answers at different levels and accompanying comments. Be confident in your students' approach and content - this resource is written by highly experienced Geography teachers, consulted edited by a CIE Principal Examiner, and produced in partnership with the UK Geographical Association - the home of best practice in Geography teaching.

Study and Master Mathematical Literacy Grade 12 CAPS Learner's Book Karen Morrison 2014-05-01 Proofs from THE BOOK Martin Aigner 2013-06-29 According to the great mathematician Paul Erdös, God maintains perfect mathematical proofs in The Book. This book presents the authors candidates for such "perfect proofs," those which contain brilliant ideas, clever connections, and wonderful observations, bringing new insight and surprising perspectives to problems from number theory, geometry, analysis, combinatorics, and graph theory. As a result, this book will be fun reading for anyone with an interest in mathematics.

Discrete Mathematics Oscar Levin 2018-12-31 Note: This is the 3rd edition. If you need the 2nd edition for a course you are taking, it can be found as a "other format" on amazon, or by searching its isbn: 1534970746.

This gentle introduction to discrete mathematics is written for first and second year math majors, especially those who intend to teach. The text began as a set of lecture notes for the discrete mathematics course at the University of Northern Colorado. This course serves both as an introduction to topics in discrete math and as the "Introduction to proof" course for math majors. The course is usually taught with a large amount of student inquiry, and this text is written to help facilitate this. Four main topics are covered: counting, sequences, logic, and graph theory. Along the way proofs are introduced, including proofs by contradiction, proofs by induction, and combinatorial proofs. The book contains over 470 exercises, including 275 with solutions and over 100 with hints. There are also investigatory activities throughout the text to support active, inquiry based learning. While there are many fine discrete math textbooks available, this text has the following advantages: It is written to be used in an inquiry rich course, it is written to be used in a course for future math teachers. It is open source, with low cost print editions and free electronic editions. This third edition brings improved exposition, a new section on trees, and a bunch of new and improved exercises. For a complete list of changes, and to view the free electronic version of the text, visit the book's website at discreteopenmathbooks.org

A Mind for Numbers Barbora A. Oakley 2014 An engineering professor who started out doing poorly in mathematical and technical subjects in school offers tools, tips and techniques to learning the creative and analytical thought processes that will lead to achievement in math and science. Original. Contemporary Management Principles Vra M | Brevs Teria 2014-05-14

A Taxonomy of Learning, Teaching, and Assessing Benjamin Samuel Bloom 2001 This revision of Bloom's taxonomy is designed to help teachers understand and implement standards-based curriculums. Cognitive psychologists, curriculum specialists, teacher educators, and researchers have developed a two-dimensional framework, focusing on knowledge and cognitive processes. In combination, these two define what students are expected to learn in school. It explores curriculums from three unique perspectives: cognitive psychologists (learning emphasis), curriculum specialists and teacher educators (C & I emphasis), and measurement and assessment experts (assessment emphasis). This revised framework allows you to connect learning in all areas of curriculum. Educators, or others interested in educational psychology or educational methods for grades K-12.

Teaching Psychology Douglas A. Bernstein 2020-01-26 This thoroughly revised third edition of Teaching Psychology synthesizes the latest pedagogical research on effective teaching and translates it into recommendations for classroom application. It also takes into account the many changes in the teaching landscape that have taken place in recent years. Covering key topics such as planning a course, choosing teaching methods, assimilating technology, and the integration of teaching into the rest of your academic life, this book also includes an abundance of supportive, supplementary content to guide and inform new teachers. This content will also benefit seasoned teachers who wish to re-evaluate their current teaching practices and explore new teaching ideas and techniques. Presenting a comprehensive and cutting-edge teaching guide for psychology teachers, this book is a vital resource for those who are training psychology instructors or undertaking a teaching psychology course. It is also a useful text for more experienced faculty looking to update their current teaching practices.

Cumulative Author Index to Psychological Abstracts 1978 Educational Research L R Gay 2015-10-08 A leader in Introduction to Educational Research courses, Educational Research: Competencies for Analysis and Applications, ninth edition, remains a practical text focused on the skills and procedures students need in order to become competent consumers and producers of educational research. The accessible writing style and light, humorous tone of this book helps to demystify and enliven this demanding course. The text uses a direct, step-by-step approach to th esearch process Tasks are included throughout the text to guide students through the process of creating their own research report. Published research articles are now included in every research methods chapter to provide students with illustrations of exemplary qualitative and quantitative research Key changes in the ninth edition include an expanded coverage of qualitative research through a new chapter on Case Study Research (Chapter 17), a new chapter on Survey Research (Chapter 7), an increased emphasis on ethical considerations in the conduct of educational research (Chapter 1), and significant updates to Descriptive Statistics (Chapter 12) and Inferential Statistics (Chapter 13) that increase the coverage of how to use technology in the research process.

Sterling Test Prep GRE Physics Practice Questions Sterling Test Prep 2015 GRE Physics practice questions with the most complete explanations and step-by-step solutions - guaranteed higher GRE Physics score ! Last updated Jan 8, 2016. "We regularly update and revise the content based on readers' feedback and latest test changes. The most current version is only available directly from Amazon and Barnes & Noble.") To achieve a GRE Physics score, you need to develop skills to properly apply the knowledge you have and quickly choose the correct answer. You must solve numerous practice questions that represent the style and content of the GRE Physics. This GRE Physics prep book contains over 1,300 practice questions with detailed explanations and step-by-step solutions. It is the most complete and comprehensive study tool that will teach you how to approach and solve a multitude of physics problems. This book consists of - 12 diagnostic tests to help you identify your strengths and weaknesses to optimize your preparation strategy - topical practice question sets to drill down on each topic from a variety of angles and formula applications - test-taking strategies to maximize your performance on the test day - sheets of formulae, equations, variables and units to know for each topic. - The practice questions that comprise this book will help you to - master important GRE Physics topics - assess your knowledge of topics tested on the GRE Physics - improve your test-taking skills - and for the test comprehensively and cost effectively -

These practice questions cover the following physics topics tested on the GRE Physics: Kinematics & dynamics Force, motion, gravitation Equilibrium and momentum Work & energy Waves & periodic motion Sound Fluids & solids Light & optics Heat & Thermodynamics Atomic & nuclear structure Laboratory methods