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A Byte of Python - C. H. C H Swaroop
2017-10-02

The programming language Python was conceived in the late 1980s, [1] and its implementation was started in December 1989[2] by Guido van Rossum at CWI in the Netherlands as a successor to the ABC (programming language) capable of exception handling and interfacing with the Amoeba operating system.[3] Van Rossum is Python's principal author, and his continuing central role in deciding the direction of Python is reflected in the title given to him by the Python community, Benevolent Dictator for Life (BDFL).[4][5] Python was named for the BBC TV show Monty Python's Flying Circus.[6] Python 2.0 was released on October 16, 2000, with many major new features, including a cycle-detecting garbage collector (in addition to reference counting) for memory management and support for Unicode. However, the most important change was to the development process itself, with a shift to a more transparent and community-backed process.[7] Python 3.0, a major, backwards-incompatible release, was released on December 3, 2008[8] after a long period of testing. Many of its major features have also been backported to the backwards-compatible Python 2.6 and 2.7.[9] In February 1991, van Rossum published the code (labeled version 0.9.0) to alt.sources.[10] Already present at this stage in development were

classes with inheritance, exception handling, functions, and the core datatypes of list, dict, str and so on. Also in this initial release was a module system borrowed from Modula-3; Van Rossum describes the module as "one of Python's major programming units." [1] Python's exception model also resembles Modula-3's, with the addition of an else clause.[3] In 1994 comp.lang.python, the primary discussion forum for Python, was formed, marking a milestone in the growth of Python's userbase.[1] Python reached version 1.0 in January 1994. The major new features included in this release were the functional programming tools lambda, map, filter and reduce. Van Rossum stated that "Python acquired lambda, reduce(), filter() and map(), courtesy of a Lisp hacker who missed them and submitted working patches." [11] The last version released while Van Rossum was at CWI was Python 1.2. In 1995, Van Rossum continued his work on Python at the Corporation for National Research Initiatives (CNRI) in Reston, Virginia whence he released several versions. By version 1.4, Python had acquired several new features. Notable among these are the Modula-3 inspired keyword arguments (which are also similar to Common Lisp's keyword arguments) and built-in support for complex numbers. Also included is a basic form of data hiding by name mangling, though this is easily bypassed.[12] During Van

Rossum's stay at CNRI, he launched the Computer Programming for Everybody (CP4E) initiative, intending to make programming more accessible to more people, with a basic "literacy" in programming languages, similar to the basic English literacy and mathematics skills required by most employers. Python served a central role in this: because of its focus on clean syntax, it was already suitable, and CP4E's goals bore similarities to its predecessor, ABC. The project was funded by DARPA.[13] As of 2007, the CP4E project is inactive, and while Python attempts to be easily learnable and not too arcane in its syntax and semantics, reaching out to non-programmers is not an active concern.[14] Here are what people are saying about the book: This is the best beginner's tutorial I've ever seen! Thank you for your effort. -- Walt Michalik The best thing I found was "A Byte of Python," which is simply a brilliant book for a beginner. It's well written, the concepts are well explained with self evident examples. -- Joshua Robin Excellent gentle introduction to programming #Python for beginners -- Shan Rajasekaran Best newbie guide to python -- Nickson Kaigi start to love python with every single page read -- Herbert Feutl perfect beginners guide for python, will give u key to unlock magical world of python

Alone Together - Sherry Turkle
2017-11-07

"Savvy and insightful." --New York Times Technology has become the architect of our intimacies. Online, we fall prey to the illusion of companionship, gathering thousands of Twitter and Facebook friends, and confusing tweets and wall posts with authentic communication. But this relentless connection leads to a deep solitude. MIT professor Sherry Turkle argues that as technology ramps up, our emotional lives ramp down. Based on hundreds of interviews and with a new introduction taking us to the present day, Alone Together describes changing, unsettling relationships between friends, lovers, and families.

Information and Communication

Technologies and Real-Life Learning - Tom J. van Weert 2006-01-28
Information and Communication Technologies in Real-Life Learning presents the results of an International Federation for Information Processing (IFIP) working conference held December 2004 in Melbourne, Australia. The working conference was organized by IFIP Working Group 3.2 (Informatics and ICT in Higher Education) and IFIP Working Group 3.4 (Professional and Vocational Education in Information Technology). The papers in this book present a cross-section of issues in real-life learning in which Information and Communication Technology (ICT) plays an important role. Some of the issues covered include: education models for real-life learning enabled by ICT; effective organization of a real-life learning environment; the changing role of the student; the changing role of educational institutions and their relationship with business and industry; the changing role of teachers and their use of ICT; and management of ICT-rich education change.

Cambridge IGCSE ICT 2nd Edition - Brian Sargent 2015-08-28

We are working with Cambridge International Examinations to gain endorsement for this new edition of the worldwide bestselling Student's Book. Now including Brian Sargent in the expert author team, alongside first edition authors Graham Brown and David Watson, this book has been fully revised and updated to cover every part of the latest Cambridge IGCSE ICT (0417) syllabus. - Written by experts, 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 - Covers each section of the syllabus with clear explanations and plenty of tasks and activities Every Student's Book includes a CD that contains source files for the tasks and activities.

Eleven ICT and Computer Studies - Greg Baker 2013

Infotech Teacher's Book - Santiago Remacha Esteras 1999-07-15
Infotech, second edition, is a comprehensive course for intermediate level learners who need to be able to understand the English of computing for study and work. Thoroughly revised by the same author it offers up to date material on this fast moving area. The course does not require a specialist knowledge of computers on either the part of the student or the teacher. The 30 units are organized into seven thematically linked sections and cover a range of subject matter, from Input/output devices for the disabled to

Multimedia and Internet issues. Key features of the Teacher's Book: - exhaustive support for the teacher, with technical help where needed - a photocopyable extra activities section - answer key and tapescripts

Cambridge ICT Starters Next Steps

Stage 1 - Victoria Ellis 2019-01-17
Help your students learn essential ICT skills, from Microsoft Office® basics to animations and websites. This series brings a fresh approach to ICT for students from 7 to 14 years old, mapped to the Cambridge ICT Starters syllabus for examination from 2019. In Next Steps, learners develop their understanding of documents and images. The resource introduces new areas - such as databases, spreadsheets and working with multimedia. Students will create articles and use spreadsheets to plan a school trip. Each activity is clearly introduced, with step-by-step guidance to help learners master new skills. Key words and visual examples support students' understanding. Download source files for activities from our website.

Getting Textbooks to Every Child in Sub-Saharan Africa - Birger

Fredriksen 2015-05-22

Textbooks play a key role in enhancing the quality of learning, especially in the context of low-income Sub-Saharan African (SSA) countries characterized by large class-size, poorly motivated and inadequately trained teachers, and short effective school years. There are also high rates of illiteracy among parents and few reading

materials at home for the student to bank on. Despite extensive investments by governments, the World Bank and other development partners, the majority of students in primary and secondary schools in SSA still lack the benefit of access to textbooks and the key reason for this shortage is affordability: textbooks are generally much more costly in SSA than in other developing regions. The need to increase access to key learning resources is of particular urgency because most African countries experience low learning outcomes which in part contributes to a high drop-out rate. Only two-thirds of those who enter school reach the final grade and only about half of these master basic numeracy and literacy skills. And although quality improvement depends on many factors inside and outside the school, there is wide agreement that availability of textbooks is both an indispensable and a cost-effective way of improving the quality of the learning process. A recent World Bank study examined the actual costs of textbooks, the scope for cost reduction, the portion of a national budget countries allocate to teaching and learning materials (TLMs) and hurdles in the way of making textbooks available to student. Some interesting findings from the study - - The availability of affordable textbooks to all students could be dramatically improved by devoting an estimated 3 to 4 percent of the primary education budget and 6 to 7 percent of the secondary education budget - The production process + " methods, copyright, length of print runs, effective procurement practices + " rather than the production costs should be the target of cost saving strategies - The increased integration of ICTs into education in SSA can provide important opportunities for promoting availability of electronic TLMs but electronic TLMs are not a substitute for printed TLMs including textbooks

It's Complicated - Danah Boyd

2014-02-25

Surveys the online social habits of American teens and analyzes the role technology and social media plays in

their lives, examining common misconceptions about such topics as identity, privacy, danger, and bullying.

Teaching in a Digital Age - A. W Bates 2015

The Big Book of Conflict Resolution Games: Quick, Effective Activities to Improve Communication, Trust and Collaboration - Mary Scannell
2010-05-28

Make workplace conflict resolution a game that EVERYBODY wins! Recent studies show that typical managers devote more than a quarter of their time to resolving coworker disputes. The Big Book of Conflict-Resolution Games offers a wealth of activities and exercises for groups of any size that let you manage your business (instead of managing personalities). Part of the acclaimed, bestselling Big Books series, this guide offers step-by-step directions and customizable tools that empower you to heal rifts arising from ineffective communication, cultural/personality clashes, and other specific problem areas—before they affect your organization's bottom line. Let The Big Book of Conflict-Resolution Games help you to: Build trust Foster morale Improve processes Overcome diversity issues And more Dozens of physical and verbal activities help create a safe environment for teams to explore several common forms of conflict—and their resolution. Inexpensive, easy-to-implement, and proved effective at Fortune 500 corporations and mom-and-pop businesses alike, the exercises in The Big Book of Conflict-Resolution Games delivers everything you need to make your workplace more efficient, effective, and engaged.

IB Physics Course Book - Michael Bowen-Jones 2014-01

The most comprehensive match to the new 2014 Chemistry syllabus, this completely revised edition gives you unrivalled support for the new concept-based approach, the Nature of science. The only DP Chemistry resource that includes support directly from the IB, focused exam practice, TOK links and real-life applications drive achievement.

Mobile Learning - Mohamed Ally 2009

This collection is directed towards anyone interested in the use of mobile learning for various applications. Readers will discover how to design learning materials for delivery on mobile technology and become familiar with the best practices of other educators, trainers, and researchers in the field as well as the most recent research initiatives in mobile learning. Businesses and governments can find out how to deliver timely information to staff using mobile devices. Professors and trainers can use this book as a textbook in courses on distance education, mobile learning, and educational technology. In fact, the book can be used by anyone interested in delivering education and training at a distance, but especially by graduate students of emerging technology in learning. Venture Capital & the Finance of Innovation - Andrew Metrick 2021-02 "Many interesting developments have occurred in the world of venture capital since the publication of the first edition of this book in 2006, which prompted us to revise the book for the second edition. While the organization of the book remains unchanged, many of the chapters are substantially rewritten. For example, in Chapter 5, we re-ranked top VC firms, incorporating the latest performance statistics, fundraising and investment activities, notable exits, and (as always) our subjective opinions. In Chapter 6, we examine further evidence of the deepening globalization of the industry. In Chapters 3, 4, and 7, we analyze the impact of the 1999-2000 Internet bubble years on the VC risk and returns, as investments made in those years are finally mature and thus now a part of the performance evaluation analysis. We also incorporated expositional improvements throughout the book based on reader feedback on the first edition. Another feature of the new edition is that the VCV model, used extensively in Part III of the book, is now available as a Web-based application available on <http://VCVtools.com>. Significant collaborative efforts went into

developing this tool, which we believe will be of interest to a broad audience, including practitioners interested in valuing VC-backed company stocks and employee stock options"

Edexcel International GCSE (9-1) Biology Student Book (Edexcel International GCSE (9-1)) - Jackie Clegg 2021-11-12

Exam Board: Edexcel Level & Subject: International GCSE Biology and Double Award Science First teaching: September 2017 First exams: June 2019
Cambridge IGCSE ICT Teacher's CD-ROM, 2nd Edition - Brian Sargent
2017-04-28

Cambridge Igcse Ict 2Nd Edition South Asia Edition - Brian Sargent
2014-08-29

Cambridge International As & a Level It Digital Teacher's Resource Access Card -

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 Investigate! 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 discrete.openmathbooks.org

Algorithm Design - Jon Kleinberg
2012-02-28

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Algorithm Design introduces algorithms by looking at the real-world problems that motivate them. The book teaches students a range of design and analysis techniques for problems that arise in computing applications. The text encourages an understanding of the algorithm design process and an appreciation of the role of algorithms in the broader field of computer science. August 6, 2009 Author, Jon Kleinberg, was recently cited in the New York Times for his statistical analysis research in the Internet age.

Introduction to Information Retrieval - Christopher D. Manning 2008-07-07 Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on

feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Thinking Strategically: The Competitive Edge in Business, Politics, and Everyday Life - Avinash K. Dixit 1993-04-17

Uses game theory to create a set of basic strategic principles for sports, politics, business, and personal life

Innovation under the Radar - Xiaolan Fu 2020-12-17

Investigating the nature, drivers and sources of innovation in Africa, this book examines the channels for effective diffusion of innovation in and to Africa under institutional, resource and affordability constraints. Fu draws on almost a decade of research on innovation in Africa to explore these issues and unpack the process, combining a rigorous statistical analysis of a purposely designed multi-wave, multi-country survey with in-depth studies of representative cases. Building on this research, Fu argues that African firms are innovative but unsupported. Those 'under-the-radar' innovations that widely exist in Africa as a result of the constraints are not sufficient to enable Africa to leapfrog the innovation gap in the era of the fourth Industrial Revolution. This is the first comprehensive analysis of the creation and diffusion of innovation in low income countries. It also provides the first survey-based analysis of innovation in the informal economy.

Gravitation - Charles W. Misner 2017-10-24

Spacetime physics -- Physics in flat spacetime -- The mathematics of curved spacetime -- Einstein's geometric theory of gravity -- Relativistic stars -- The universe -- Gravitational collapse and black holes -- Gravitational waves -- Experimental tests of general relativity -- Frontiers

App Inventor 2 - David Wolber 2014-10-13

Yes, you can create your own apps for Android devices—and it's easy to do. This extraordinary book introduces you to App Inventor 2, a powerful visual tool that lets anyone build apps. Learn App Inventor basics hands-on with step-by-step instructions for building more than a dozen fun projects, including a text answering machine app, a quiz app, and an app for finding your parked car! The second half of the book features an Inventor's Manual to help you understand the fundamentals of app building and computer science. App Inventor 2 makes an excellent textbook for beginners and experienced developers alike. Use programming blocks to build apps—like working on a puzzle Create custom multi-media quizzes and study guides Design games and other apps with 2D graphics and animation Make a custom tour of your city, school, or workplace Control a LEGO® MINDSTORMS® NXT robot with your phone Build location-aware apps by working with your phone's sensors Explore apps that incorporate information from the Web

Introduction to Computing - David Evans 2011-12-07

Introduction to Computing is a comprehensive text designed for the CS0 (Intro to CS) course at the college level. It may also be used as a primary text for the Advanced Placement Computer Science course at the high school level.

The Really Useful ICT Book - Jill Jesson 2017-09-11

The Really Useful ICT Book is a practical and easy-to-use guide to give you all the confidence you need to use ICT really effectively inside and outside the primary classroom. It makes clear how ICT can be taught as a standalone subject, and how it can be used easily and imaginatively to enhance teaching other subjects. Jam-packed with ideas and templates to save you time, this friendly handbook offers an introduction to: using ICT inside the classroom ♦ including interactive whiteboards, computer suites, VLEs and e-safety using ICT outside the classroom ♦ including

word processors, laptops, data loggers and digital cameras when and how to use a wide range of software and hardware from spreadsheet packages through to digital photography, e-portfolios and software simulation using ICT in all subject areas practical suggestions for using ICT in cross-curricular topics using ICT to develop teacher and pupil creativity using ICT for assessment and in your professional role. With an emphasis on developing children's creativity and on progression from Key Stage 1 to Key Stage 2, *The Really Useful ICT Book* is a comprehensive compendium of advice and inspiration for all training, newly qualified and experienced teachers, as well as those in support roles in primary schools.

The Really Useful ICT Book - Jill Jesson 2012-10-12

The Really Useful ICT Book is a practical and easy-to-use guide to give you all the confidence you need to use ICT really effectively inside and outside the primary classroom. It makes clear how ICT can be taught as a standalone subject, and how it can be used easily and imaginatively to enhance teaching other subjects. Jam-packed with ideas and templates to save you time, this friendly handbook offers an introduction to: using ICT inside the classroom - including interactive whiteboards, computer suites, VLEs and e-safety using ICT outside the classroom - including word processors, laptops, data loggers and digital cameras when and how to use a wide range of software and hardware - from spreadsheet packages through to digital photography, e-portfolios and software simulation using ICT in all subject areas practical suggestions for using ICT in cross-curricular topics using ICT to develop teacher and pupil creativity using ICT for assessment and in your professional role. With an emphasis on developing children's creativity and on progression from Key Stage 1 to Key Stage 2, *The Really Useful ICT Book* is a comprehensive compendium of advice and inspiration for all training, newly qualified and

experienced teachers, as well as those in support roles in primary schools.

Democracy and Education - John Dewey 1916

In this book, Dewey tries to criticize and expand on the educational philosophies of Rousseau and Plato. Dewey's ideas were seldom adopted in America's public schools, although a number of his prescriptions have been continually advocated by those who have had to teach in them.

Educational Research and Innovation Are the New Millennium Learners Making the Grade? Technology Use and Educational Performance in PISA 2006 - OECD 2010-03-11

Using data from PISA 2006, this book analyzes to what extent investments in technology enhance educational outcomes. It finds that beyond access to technology, competence in using the technology is also needed for success.

Textbook Policies in Asia - Andy Smart 2018-12-01

This comparative study provides an overview of the textbook production chain, starting with its origins in the curriculum, and suggests ways in which policymakers can make improvements at every point in the chain. With evidence from a range of countries, mainly in Asia, the study is intended as a resource for policymakers and as a reference and benchmark for education systems. Although the study focuses on textbooks, which are the priority for governments and teachers and represent the greatest item of expenditure on teaching and learning materials, it also includes other teaching and learning materials including digital resources.

The World Book Encyclopedia - 2002
An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.

English as a Global Language - David Crystal 2012-03-29

Written in a detailed and fascinating manner, this book is ideal for general readers interested in the English language.

ICT Law Book - Adam J. Mambi 2010

This volume collects notable writings of Barnabas A. Samatta, Chief Justice of Tanzania from 2000 to his retirement in 2007, together with writings by others that document his career and show the judgment of his peers about his work on the Court of Appeal of Tanzania. The writings include Samatta's thoughts on Tanzania's constitutional order and the importance of the rule of law, as well as a number of key rulings and judgments. Annotation ©2011 Book News, Inc., Portland, OR (booknews.com).

Science Teaching Reconsidered - National Research Council 1997-03-12
Effective science teaching requires creativity, imagination, and innovation. In light of concerns about American science literacy, scientists and educators have struggled to teach this discipline more effectively. Science Teaching Reconsidered provides undergraduate science educators with a path to understanding students, accommodating their individual differences, and helping them grasp the methods--and the wonder--of science. What impact does teaching style have? How do I plan a course curriculum? How do I make lectures, classes, and laboratories more effective? How can I tell what students are thinking? Why don't they understand? This handbook provides productive approaches to these and other questions. Written by scientists who are also educators, the handbook offers suggestions for having a greater impact in the classroom and provides resources for further research.

Cambridge ICT Starters Initial Steps

- Victoria Ellis 2018-12-20

Help your students learn essential ICT skills, from Microsoft Office® basics to animations and websites. This series brings a fresh approach to ICT for students from 7 to 14 years old, mapped to the Cambridge ICT Starters syllabus for examination from 2019. Initial Steps takes students through working with text, images and graphs while introducing them to email, searching and programming. They'll use search

engines to help them research topics, write a group story using email and begin programming using Scratch. Each activity is clearly introduced, with step-by-step guidance to help learners master new skills. Key words and visual examples support students' understanding. Download source files for activities from our website.

Checkpoint Biology - Peter D. Riley 2005

- Chapters are presented in the same order as topics in the Checkpoint Biology Scheme of Work; Chapters 1-5 are for Year 1, Chapters 6-10 for Year 2 and Chapters 11-15 for Year 3.
- The clear text and colourful illustrations and photographs fully explain the concepts and encourage background reading. - Boxed sections are used to show how scientific ideas have developed over time and how they are applied in today's world. - Questions throughout encourage pupils to extract relevant information from text and think more deeply about the topics. - 'For discussion' boxes are designed specially to stimulate class or group discussions and can be used in work on science and citizenship. - The extensive glossary contains all key syllabus words for biology and helps to build pupils' scientific vocabulary. - The accompanying Teacher's Resource Book provides full support, including details of practical work, answers to all questions in the Pupil's Book and suggestions for the use of ICT.
UNESCO Guidebook on Textbook Research and Textbook Revision - Falk Pingel 2010-01-01

Computer Organization & Architecture

7e - Stallings 2008-02

The Future of Productivity - OECD 2015-12-11

This book addresses the rising productivity gap between the global frontier and other firms, and identifies a number of structural impediments constraining business start-ups, knowledge diffusion and resource allocation (such as barriers to up-scaling and relatively high rates of skill mismatch).