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How the Mind Works Unweaving the Rainbow The Penguin Dictionary of Science The Fabric of the Cosmos \(\begin{align*} \leftarrow{\text{The New Penguin Dictionary of Science Science Penguin library of physical sciences Penguin books Penguin Biology Stardust The Little Book of Science The Oxford Book of Modern Science Writing Gödel, Escher, Bach Science and Society Ice Age Sociology of Science The Origins of Virtue The Fourth Dimension Once Upon a Life Science Book: 12 Interdisciplinary Activities to Create Confident Readers The Penguin Dictionary of Human Biology Unweaving the Rainbow Law, Science, and Technology The Origin of Life \(\begin{align*} \leftarrow{\text{Computer Science}} \leftarrow{\text{Deep Simplicity The Language Instinct } \(\begin{align*} \leftarrow{\text{Computer Science}} \rightarrow{\text{Computer Science}} \rightarrow{\text{Deep Simplicity The Past, Present, and Future of Integrated History and Philosophy of Science Discourses on Social Software SOFSEM 2021: Theory and Practice of Computer Science

How the Mind Works

1999

presented with extraordinary lucidity cogency and panache powerful and gripping to have read the book is to have consulted a first draft of the structural plan of the human psyche a glittering tour de force spectator why do memories fade why do we lose our tempers why do fools fall in love pinker s objective in this erudite account is to explore the nature and history of the human mind he explores computations and evolutions and then considers how the mind lets us see think feel interact and pursue higher callings like art religion and philosophy sunday times

Unweaving the Rainbow

1999

keats accused newton of destroying the poetry of the rainbow by explaining the origin of its colours dawkins argures that keats could not have been more mistaken and shows how an understanding of science enhances our wonder at the world around us this is a hymn of praise to the scientific attitude often maligned for alienating our relationship with nature he shows how science properly understood does not disenchant nature but rather enhances the poetry of experience by revealing the workings of the natural world in their full wonder the book s complementary strand is be a polemic against anti science movements of all types

The Penguin Dictionary of Science

1993

a reliable and clear explanation of the basic vocabulary of physics and chemistry with a fair coverage of the words used in mathematics astronomy and biology

The Fabric of the Cosmos

2007

a magnificent challenge to conventional ideas financial times i thoroughly enjoyed this book it manages to be both challenging and entertaining it is highly recommended the independent greene send s the reader s imagination hurtling through the universe on an astonishing ride as a popularizer of exquisitely abstract science he is both a skilled and kindly explicator the new york times greene is as elegant as ever cutting through the fog of complexity with insight and clarity space and time become putty in his hands los angeles times book review



2017-07

The New Penguin Dictionary of Science

2003

penguin biology is the first broad based collection of biological and ecological studies of these unique birds to be published since 1975 topics have since become broad ecological hypotheses not species specific descriptions and new technology has taken

observations into the oceanic depths penguin biology shows new techniques and the applications mad of them in contemporary biological and evolutionary theory penguin biology is an invaluable reference for ornithologists animal behaviorists animal physiologists marine zoologists marine ecologists evolutionary biologists and antarctic researchers major topics covered include breeding feeding and foraging behavior and evolution energetics and physiology new fossil material

Science

2002

superb gribbin has done it again the story of how the matter that makes up our bodies travelled from the stars a wonderful account sunday times books of the year every one of us is made of stardust john gribbin explains in this dazzling book everything we see touch breathe and smell nearly every molecule in our bodies is the by product of stars as they live and die in spectacular explosions scattering material across the universe which is recycled to become part of us it is only by understanding how stars are made and how they die that we can every understand how we came into being taking us on an enthralling journey john gribbin shows us the scientific breakthroughs in the quest for our origins with the raw materials for creating life all around us he concludes it is impossible to believe we are alone in the universe an incredible story gives a sense of the almost unbelievable coincidence of physical laws and circumstances that resulted in your being able to read these words today literary review gribbin skilfully and engagingly traces the historical sequence rather like sherlock holmes reading clues new scientist

Penguin library of physical sciences Penguin books

1990-08-28

selected and introduced by richard dawkins the oxford book of modern science writing is a celebration of the finest writing by scientists for a wider audience revealing that many of the best scientists have displayed as much imagination and skill with the pen as they have in the laboratory this is a rich and vibrant collection that captures the poetry and excitement of communicating scientific understanding and scientific effort from 1900 to the present day professor dawkins has included writing from a diverse range of scientists some of whom need no introduction and some of whose works have become modern classics while others may be less familiar but all convey the passion of great scientists writing about their science

Penguin Biology

2009-08-27

what is a self and how can a self come out of inanimate matter this is the riddle that drove douglas hofstadter to write this extraordinary book in order to impart his original and personal view on the core mystery of human existence our intangible sensation of i ness hofstadter defines the playful yet seemingly paradoxical notion of strange loop and explicates this idea using analogies from many disciplines

Stardust

1999

on 24 june 1837 louis agassiz stunned the learned members of the swiss society of natural sciences by addressing them in his role as president not with an anticipated lecture on fossil fishes but with a passionate presentation on the existence of ice ages

no one was convinced he even dragged the reluctant members of the society up into the mountains to see the evidence for themselves pointing out the scars on the hard rocks left by glaciation which some of those present tried to explain away as having been produced by the wheels of passing carriages extraordinarily it would take a further 140 years before the ice age theory was fully proved and understood

The Little Book of Science

2008-03-13

compilation of selected readings on the sociology of science includes papers on the emergence and institutionalization of modern science and its relationships to society structural and cultural factors relations between science and technology scientific entrepreneurship and the utilization of research political aspects science policy and its goals the impact of science on social change etc references

The Oxford Book of Modern Science Writing

2000

matt ridley explores such perplexing conundrums as why if humans are such egoistical beings don t they behave as rational fools and forego the benefits of cooperation he uses the findings of new research to look afresh at mankind

Gödel, Escher, Bach

1969

the penguin dictionary of human biologyis the essential guide to this diverse and constantly evolving subject ranging from adhd to genome mapping and sexual orientation zymogens it recognizes the need for a specific resource devoted to this expanding science which has tended to be regarded as part of the umbrella discipline of biology aimed at a level and beyond it draws on many years of work by the author of the acclaimed penguin dictionary of biology and is possibly the single most useful book of its kind contains over 7 000 entries spans the essentials of human physiology biochemistry cell biology genetics immunology and disease links human biology to physical anthropology and psychology ideal for students of medicine nursing science and pharmacology with extensive illustration and diagrams throughout

Science and Society

2002

through a series of historical analyses friedman explores the relationship between the legal system and the development of modern science and technology the scientific revolution produced major changes in culture and these in turn led to changes in government and law the book covers among other topics the transportation revolution the camera and the entertainment industry the germ theory and its influence on modern society and the role of culture and technology in the sexual revolution

Ice Age

1972

here paul davies presents evidence that life began billions of years ago kilometres underground arguing that it may well have started on mars and spread to earth in rocks blasted off the red planet by asteroid impacts

Sociology of Science

1997-10-30

The Origins of Virtue

1990-06-01

human beings are fundamentally creatures of culture the ability to share knowledge beliefs and skills is the defining characteristic of our species and one of the most complex phenomena on earth our lives are dictated by the products of culture such as marriage money nationhood and even wars are fought over it science itself is a construction of culture and natural sciences are the most powerful forms of knowledge we have from explanations of the origins of the universe to the molecular structure of life so can the natural sciences be used to understand culture or should this be left to the human sciences psychology sociology and anthropology

The Fourth Dimension

2010

what can anthropology and political science learn from each other the authors argue that collaboration particularly in the area of concepts and methodologies is tremendously beneficial for both disciplines though they also deal with some troubling aspects of the relationship focusing on the influence of anthropology on political science the book examines the basic assumptions the practitioners of each discipline make about the nature of social and political reality compares some of the key concepts each field employs and provides an extensive review of the basic methods of research that bridge both disciplines ethnography and case study through ethnography participant observation reliance on extended case studies and the use of anthropological concepts and sensibilities a greater understanding of some of the most challenging issues of the day can be gained for example political anthropology challenges the illusion of the autonomy of the political assumed by political science to characterize so called modern societies several chapters include a cross disciplinary analysis of key concepts and issues political culture political ritual the politics of collective identity democratization in divided societies conflict resolution civil society and the politics of post communist transformations

Once Upon a Life Science Book: 12 Interdisciplinary Activities to Create Confident Readers

2009

but the sensitive way in which systems respond to those basic laws combined with feedback can explain why for example just one vehicle braking on a motorway can cause a traffic jam how a tiny genetic mutation or environmental change may make a species develop in a wholly different way

The Penguin Dictionary of Human Biology

1999-05

in this exhilarating book steven pinker asserts that language should not be seen as a

cultural artefact that we learn in the way we learn to tell the time but as a distinct part of the biological make up of our brains

Unweaving the Rainbow

2023-07-15

Law, Science, and Technology

2003

represents the first integrated effort to deal with age as a crucial variable in the social system of special interest to sociologists for whom the sociology of age seems destined to become a special field

The Origin of Life

2018-04-20

now fully updated in its third edition science learning science teaching offers an accessible practical guide to creative classroom teaching and a comprehensive introduction to contemporary issues in science education aiming to encourage and assist professionals with the process of reflection in the science classroom the new edition examines the latest research in the field changes to curriculum and the latest standards for initial teacher training including two brand new chapters key topics covered include the science curriculum and science in the curriculum planning and managing learning learning in science including consideration of current fads in learning safety in the science laboratory exploring how science works using ict in the science classroom teaching in an inclusive classroom the role of practical work and investigations in science language and literacy in science citizenship and sustainability in science education including useful references further reading lists and recommended websites science learning science teaching is an essential source of support guidance and inspiration all students teachers mentors and those involved in science education wishing to reflect upon improve and enrich their practice



2003-03-25

dyscalulia is caused by developmental differences in the structures and patterns of activation in the brain affected learners require timely and tailored interventions informed and shaped by neurological findings in this ground breaking text professor butterworth explains the latest research in the science of dyscalculia in a clear non technical way crucially he shows that dyscalculia is caused by a core deficit in the ability to accurately and swiflty represent the number of objects in a set an ability that underpins learning arithmetic and clearly differentiates dyscalculia from other forms of early maths learning difficulties butterworth uniquely links research to pedagogical practice to explain how science can be used for the identification of dyscalculia and for the development of strategies to best help affected learners acquire arithmetical competence the text provides robust interventions that focus on helping pupils to strengthen their ability to process numerosities and link them to the familiar number symbols counting words and digits it shows that science has clear and specific implications both for assessment and intervention a landmark publication for the

dyscalculia community dyscalculia from science to education will become an essential resource for teachers professionals parents and sufferers as well as for university courses that include specific learning disabilities

The Imagined World Made Real

2013

this volume presents students and scholars with a comprehensive overview of the fascinating world of the occult it explores the history of western occultism from ancient and medieval sources via the renaissance right up to the nineteenth and twentieth centuries and contemporary occultism written by a distinguished team of contributors the essays consider key figures beliefs and practices as well as popular culture

Anthropology and Political Science

2005

never before have we so needed a new literacy that will enable us to meaningfully participate in the rapidly evolving technologically mediated world this collection offers a solid basis for defining this new technological literacy by bringing together theoretical work encompassing philosophy design and pedagogy

Deep Simplicity

1995

The Language Instinct

2019-06-15

integrated history and philosophy of science ihps is commonly understood as the study of science from a combined historical and philosophical perspective yet since its gradual formation as a research field the question of how to suitably integrate both perspectives remains open this volume presents cutting edge research from junior ihps scholars and in doing so provides a snapshot of current developments within the field explores the connection between ihps and other academic disciplines and demonstrates some of the topics that are attracting the attention of scholars who will help define the future of ihps



1972-03-15

the unusual format of a series of discussions among a logician a computer scientist a philosopher and some researchers from other disciplines encourages the reader to develop his own point of view book jacket

Aging and Society

2013-02-28

this book contains the invited and contributed papers selected for presentation at

sofsem 2021 the 47th international conference on current trends in theory and practice of computer science which was held online during january 25 28 2021 hosted by the free university of bozen bolzano italy the 33 full and 7 short papers included in the volume were carefully reviewed and selected from 100 submissions they were organized in topical sections on foundations of computer science foundations of software engineering foundations of data science and engineering and foundations of algorithmic computational biology the book also contains 5 invited papers

Science Learning, Science Teaching

2018-12-07

Dyscalculia: from Science to Education

2014-12-05

The Occult World

2006-04-29

Defining Technological Literacy

2007-06

1991

The Ambidextrous Universe

1986

The European Scientific Community

2019-05-14

The Past, Present, and Future of Integrated History and Philosophy of Science

2009

Discourses on Social Software

2021-01-20

SOFSEM 2021: Theory and Practice of Computer Science

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