In Search of the Double Helix

By John Gribbin
Genre : Life Sciences

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In Search of the Double Helix by John Gribbin is Life Sciences UNRAVELING THE MYSTERY OF LIFE ON EARTH The search began with Darwin's historic voyage on the Beagle and it continues today in the laboratories of the genetic engineers. How did life on earth begin? What is the key to evolution that insures only the fittest survive? How do we differ from other species? And how might tomorrow's scientists read—and alter—the biological blueprint to eliminate disease, birth defects, and even create new life forms? Acclaimed science writer John Gribbin draws on his expertise in quantum physics to tell the story of one of the greatest and most dramatic of scientific discoveries. His search for the elusive double helix takes us through the twists and turns of disappointment and discovery on a fascinating quest to the source of life itself. In clear, straightforward language, he presents the lives and thoughts of the men and women whose pioneering work in physics, biology, genetics, and chemistry combined to provide a basic understanding of how life evolved—and continues to evolve—on earth. He follows the trail of discovery from X-rays, mutations, quantum mechanics, the molecular clock, and sexual reproduction—all the way to the innermost workings of the human cell. And he shows how modern science first learned to "crack" the genetic code of life and the profound consequences this new knowledge will have on our future.

More Recommended Books

Evolutionary Psychology

By : Robin Dunbar, Louise Barrett & John

Evolutionary Psychology: A Beginner’s Guide is a uniquely accessible yet comprehensive guide to the study of the effects of evolutionary theory on human behaviour. Written specifically for the general reader, and for entry-level students, it covers all the most important elements of this interdisciplinary subject, from the role of evolution in our selection of partner, to the influence of genetics on parenting. The book draws widely on examples, case studies and background facts to convey a substantial amount of information, and is authored by the UK's leading experts in the field, from the only dedicated research and teaching institute.

Molekulare Evolution

By : Arndt von Haeseler & Dorit Liebers

FISCHER KOMPAKT. Verlässliches Wissen kompetent, übersichtlich und bündig dargestellt. (Dieser
Menneskets grunnstoffer

By: Anja Røyne


La ecología como ciencia

By: F.J. Malpica

Un ensayo académico sobre como ha ido evolucionando la ecología, desde desde los primeros seres humanos hasta el hombre contemporáneo.

Erklärs mir, als wäre ich 5

By: Petra Cnyrim


Biodiversity

By: Havergal College Grade 6 Students &

Stewardship is a big idea at Havergal College and during the grade 6 science unit, students studied the human impact on biodiversity and our need to preserve it. With this goal in mind, students researched the historical land use at Havergal College, studied the human-made and natural areas of the school’s property using archival information both online and from Havergal College’s own archives. The articles in this book are general and discuss biodiversity beyond the school’s grounds. However, we also have 22 wonderful acres to learn in and about and with the help of a former school parent with a vast knowledge of the property, students were able to interview and discuss the school’s woodlands for an enriching learning experience.

El sello indeleble

By: Juan Luis Arsuaga & Manuel Martín-

Cómo la evolución nos ha diferenciado del resto de seres vivos: una apasionante investigación sobre qué nos hace humanos. ¿Por qué estamos los humanos en la Tierra y qué nos ha hecho diferentes de los chimpancés y de las demás especies que la pueblan? ¿Son muy antiguas las razas humanas? ¿Responde la evolución a un plan y tiende hacia un progreso? Elaborar la lista de nuestras señas de identidad y establecer su origen en el tiempo es una tarea ardua y está lejos de haber sido completada, pero Juan Luis Arsuaga y Manuel Martín-Loeches realizan una brillante exposición en la que nos muestran que nuestros rasgos humanos han surgido, no solo de la selección natural, sino de
la selección producida por el "carácter hostil" de la sociedad humana. Contra esta también había que luchar para sobrevivir y dejar descendencia. Este hecho tan relevante como relegado por la ciencia nos permite conocer mejor nuestra historia, y nos ayuda a especular cómo será el hombre del futuro. Una visión original y valiente de nuestro pasado, presente y futuro. Un libro destinado a convertirse en referencia. Reseña: «El paleontólogo Juan Luis Arsuaga y el neurocientífico Manuel Martín-Loeches abordan el problema, aún sin resolver, de qué es exactamente un ser humano. Son muchas las dudas que se plantean. ¿Seguiremos evolucionando? Y si es así, ¿hacia dónde?» ABC

This View of Life

By : David Sloan Wilson
From noted evolutionary biologist and the author of Evolution for Everyone comes a paradigm-changing new look at how we can apply evolutionary theory to our social and cultural institutions. Charles Darwin's vision of evolution was so broad that he wrote "There is grandeur in this view of life" in the concluding paragraph of On the Origin of Species. By the 1970's, the Darwinian revolution was sufficiently complete that the geneticist Theodosius Dobzhansky wrote "nothing in biology makes sense except in the light of evolution." Yet, according to David Sloan Wilson, the Darwinian revolution won't be truly complete until it makes sense of everything associated with the words "human", "culture," and "policy." In a series of engaging stories--from the breeding of hens, to the timing of cataract surgeries, to the organization of an automobile plant--Wilson shows how an evolutionary worldview provides a practical toolkit for understanding not only genetic evolution, but also the fast-paced changes impacting our world and ourselves. What emerges is an incredibly empowering argument: If we can become wise managers of evolutionary processes, we can solve the problems of our age at all scales--from the efficacy of our groups, to our wellbeing as individuals, to our stewardship of the planet earth.

Origin of Species

By : Charles Darwin
The Origin of Species is the landmark book that, for better or worse, puts science and religion at odds. Very few people have read this book and come away not believing in evolution. The detail of research is even by today's standards stunning; and the writing is still eminently readable. Second only to the Bible in its scope of influence, this book is a pertinent today as when it was first written.

Why Is the Penis Shaped Like That?

By : Jesse Bering
Why do testicles hang the way they do? Is there an adaptive function to the female orgasm? What does it feel like to want to kill yourself? Does "free will" really exist? And why is the penis shaped like that anyway? In Why Is the Penis Shaped Like That?, the research psychologist and award-winning columnist Jesse Bering features more than thirty of his most popular essays from Scientific American and Slate, as well as two new pieces, that take readers on a bold and captivating journey through some of the most taboo issues related to evolution and human behavior. Exploring the history of cannibalism, the neurology of people who are sexually attracted to animals, the evolution of human body fluids, the science of homosexuality, and serious questions about life and death, Bering astutely covers a generous expanse of our kaleidoscope of quirks and origins. With his characteristic irreverence and trademark cheekiness, Bering leaves no topic unturned or curiosity unexamined, and he does it all with an audaciously original voice. Whether you're interested in the psychological history behind the many facets of sexual desire or the evolutionary patterns that have dictated our current mystique and phallic physique, Why Is the Penis Shaped Like That? is bound to create lively discussion and debate for years to come.