Human instinct

Winston, Robert M. L                  150 Knowledge

Whether we recognize it or not, instinct shapes our daily lives. It fashions the decisions we make moment to moment and our interaction with the people around us. From the ambition to be successful in our careers to what we will have for lunch today, instinct is the invisible motivating force that shapes our world. Our instincts have been programmed into us since the dawn of modern man. They played a huge role in our successful evolution as a species. The fight or flight response and the drive to reproduce were crucial to the survival of our caveman ancestors. But how well do these instincts, our most basic modes of interacting with the world,

Silent spring

Carson, Rachel 1907-1964                  333.7 Knowledge

Now recognized as one of the most influential books of the twentieth century, Silent Spring exposed the destruction of wildlife through the widespread use of pesticides. Despite condemnation in the press and heavy-handed attempts by the chemical industry to ban the book, Rachel Carson succeeded in creating a new public awareness of the environment which led to changes in government and inspired the ecological movement.


DNA Evidence

Thomas, T.R.                  363.2 Knowledge

Learn about DNA profiling and how it helps solve crime mysteries. FBI's DNA database, DNA Exoneration, Innocence project. This is a high-interest topics both creepy and utterly terrifying. It is thoroughly researched and includes an introduction, five chapters, an epilogue, glossary, and index. On-the-scene photography captures students imagination and spurs further reading. Bursting with facts and in large print, these books are easy to read.

really short history of nearly everything

Bryson, Bill                  500 Knowledge

Bill's own fascination with science began with a battered old schoolbook he had when he was about ten or eleven years old in America. It had an illustration that captivated him - a cutaway diagram showing Earth's interior as it would look if you cut into it with a large knife and carefully removed about a quarter of its bulk. The idea of lots of startled cars and people falling off the edge of that sudden cliff (and 4,000 miles is a pretty long way to fall) was what grabbed him in the beginning, but gradually his attention turned to what the picture was trying to teach him - namely, that Earth's interior is made up of several different layers of materials, and at

Seeing further : the story of science & the Royal Society

Bryson, Bill; Turney, Jon                  500 Knowledge

Recommended by the Science teachers. Edited and introduced by Bill Bryson, and with contributions from Richard Dawkins, Margaret Atwood, David Attenborough, Martin Rees and Richard Fortey amongst others, this is a remarkable volume celebrating the 350th anniversary of the Royal Society. Since its foundation in 1660 with a remit to assist and promote the accumulation of useful knowledge, the Royal Society has pioneered scientific exploration and discovery of everything from gravity to archaeology. The oldest scientific academy in existence.
**short history of nearly everything**

Bryson, Bill 500 Knowledge

A Short History of Nearly Everything is award-winning author Bill Bryson’s quest to find out everything that has happened from the Big Bang to the rise of civilization - how we got from there, being nothing at all, to here, being us. Bill Bryson’s challenge is to take subjects that normally bore the pants off most of us, like geology, chemistry and particle physics, and see if there isn’t some way to render them comprehensible to people who have never thought they could be interested in science. It’s not so much about what we know, as about how we know what we know. How do we know what is in the centre of the Earth, or what a black hole is, or the magic of reality: how we know what’s really true

Dawkins, Richard; McKean, Dave 501 Knowledge

The clearest and most beautifully written introduction to science. Magic takes many forms. The ancient Egyptians explained the night by suggesting that the goddess Nut swallowed the sun. The Vikings believed a rainbow was the gods' bridge to earth. The Japanese used to explain earthquakes by conjuring a gigantic catfish that carried the world on its back - and earthquakes occurred each time it flipped its tail. These are magical, extraordinary tales. But there is another kind of magic, which lies in the exhilaration of discovering the real answers to these questions. It is the magic of reality - science. It is packed with inspiring explanations of space, time, evolution and clever thought experiments. The Magic of Reality explains a... 

**Atoms, dinosaurs & DNA: 68 great New Zealand scientists**

Meduna, Veronika; Priestley, Rebecca 509.2 Knowledge

Other Title: Atoms, dinosaurs and DNA: Summary: An adaptation of the National Library of New Zealand exhibition "Butterflies, Boffins & Black Smokers: two centuries of science in New Zealand", launched in September 2006, and curated by the authors

**The rise and fall of the third chimpanzee: how our animal heritage affects the way we live**

Diamond, Jared M 573.2 Knowledge

More than 98 percent of human genes are shared with two species of chimpanzee. The 'third' chimpanzee is man. Jared Diamond surveys out life-cycle, culture, sexuality and destructive urges both towards ourselves and the planet to explore the ways in which we are uniquely human yet still influenced by our animal origins. Eloquent and knowledgeable account of the tiny genetic difference between humans and chimps Independent Some biologists are just scientists, but some truly are thinkers. Jared Diamond is one of the latter. Whatever he applies...

**Wonderful life: the Burgess Shale and the nature of history**

Gould, Stephen Jay 573.2 Knowledge

A masterpiece of analysis and imagination...It centres on a sensational discovery in the field of palaeontology - the existence, in the Burgess Shale... of 530-million-year-old fossils unique in age, preservation and diversity...With skill and passion, Gould takes this mute collection of fossils and makes them speak to us. The result challenges some of our most cherished self-perceptions and urges a fundamental re-assessment of our place in the history of life on earth
All about evolution
Winston, Robert M. L 575 Knowledge
Looks at the story of evolutionary science and the way Charles Darwin's revolutionary theories changed the world. This title shows how theories developed after Darwin, with modern scientists revealing the secrets of genes and DNA and showing what lies in the future.
author. 1 volume : illustrations (black and white, and colour) ; 28 cm Originally published: as Evolution revolution. 2009. Includes index. Dorling Kindersley (Publisher). All about

Evolution : the human story
Roberts, Alice M 575 Knowledge
Traces the development of humans over the past eight million years, providing information on the changes in physical anatomy that have occurred over time and depicting man's evolution from tree-dwelling primates to modern humans
Includes index Understanding our past / author, Michael J. Benton ; consultants, Fiona Coward, Paul O'Higgins -- Primates / author, Colin Groves ; consultant, Eric J. Sargs -- Hominins / author, Kate-Robson-Brown, with contributions by Fiona Coward ; consultant, Katerina Harvati

Evolution : the whole story
Parker, Steve 575 Knowledge
Includes index Evolution: The whole story' contains everything you need to know about the development and survival of life on Earth. Each chapter of this accessible and lavishly illustrated book takes a major living group and presents thematic essays discussing the evolution of particular subgroups as they appeared on Earth with reference to detailed comparative anatomy, evolutionary legacies, and the breakthrough theories of eminent scientists. Accompanying the essays are amazing photographic features that investigate the characteristics of individual organisms in detail: in some, remarkable fossils, assembled

DNA : the master molecule of life
Stille, Darlene R 575.1 Knowledge
Contents: The master molecule of life -- Genes and DNA -- The genetic code -- RNA and the protein factory -- Making use of DNA

monk in the garden : the lost and found genius of Gregor Mendel, the father of genetics
Henig, Robin Marantz 575.1 Knowledge
In THE MONK IN THE GARDEN, award-winning author Robin Marantz Henig vividly evokes a little-known chapter in science, taking us back to the birth of genetics, a field that continues to challenge the way we think about life itself. Shrouded in mystery, Gregor Mendel's quiet life and discoveries make for fascinating reading. Among his pea plants Henig finds a tale filled with intrigue, jealousy, and a healthy dose of bad timing. She has done a remarkable job of flashing out the myth with what few facts there are (Washington Post Book World) and has
seven daughters of Eve
Sykes, Bryan 575.1 Knowledge

In 1994 Professor Bryan Sykes, a leading world authority on DNA and human evolution, was called in to examine the frozen remains of a man trapped in glacial ice in northern Italy. News of the discovery of the Ice Man and his age, which was put at over five thousand years old, fascinated the world. But what made the story particularly extraordinary was that Professor Sykes was also able to track down a living generic relative of the Ice Man, a woman living in Britain today. How was he able to locate a living relative of a man who died thousands of years ago? In The Seven Daughters of Eve, Bryan Sykes gives us a first hand account of his research into a remarkable gene which passes undiluted from generation to generation through stuff of life: a graphic guide to genetics and DNA

stuff of life: a graphic guide to genetics and DNA
Schultz, Mark; Cannon, Zander; Cannon, Kevin 575.1 Knowledge
1st ed Includes bibliographical references (p. 145) Learning genetics just got a whole lot more fun. This is a graphic novel by Marvel Comics writer Mark Schultz to discover the basics of genetics, the fundamentals of human DNA and evolution, the history and science of genetics.

The incredible unlikeliness of being: evolution and the making of us
Roberts, Alice M author illustrator 575.1 Knowledge
The presenter of BBC’s The Incredible Human Journey gives us a new and highly accessible look at our own bodies, allowing us to understand how we develop as an embryo, from a single egg into a complex body, and how our embryos contain echoes of our evolutionary past. Bringing together the latest scientific discoveries, Professor Alice Roberts illustrates that evolution has made something which is far from perfect. Our bodies are a quirky mix of new and old, with strokes of genius alongside glitches and imperfections which are all inherited.

DNA: the secret of life
Watson, James D; Berry, Andrew 576.1 Knowledge
James Watson, the co-discoverer of the structure of DNA and author of the international bestseller The Double Helix, tells the story of the amazing molecule since its discovery fifty years ago, following modern genetics from his own Nobel prize-winning work in the fifties to today’s Dolly the sheep, designer babies and GM foods. Professor Watson introduces the science of modern genetics, along with its history and its implications, in this magnificent guide to one of the most triumphant achievements of human science. TV tie-in - An immediate classic Includes bibliographical references and index.

The origin of species and the voyage of the Beagle
Darwin, Charles 1809-1882 576.82 Knowledge
When the eminent naturalist Charles Darwin returned from South America on board the H.M.S Beagle in 1836, he brought with him the notes and evidence which would form the basis of his landmark theory of evolution of species by a process of natural selection. This theory, published as The Origin of Species in 1859, sparked a fierce scientific, religious and philosophical debate which still continues today. This title is presented with an introduction by Darwin's great-great-granddaughter, Ruth Padel.
Ghosts of Gondwana: the history of life in New Zealand
Gibbs, George W author 578 Knowledge

Have you ever wondered why New Zealand's plants and animals are so different from those in other countries? Why kakapo is the only parrot in the world that cannot fly, or why the kiwi lives here and nowhere else? New Zealand is an extraordinary place, unique on earth, and the remarkable story of how and why life evolved here is the subject of Ghosts of Gondwana. The challenge of explaining New Zealand's natural origins is picked up in this fully revised edition of the popular award-winning book. It presents the latest scientific research in highly readable.

Flora mirabilis: how plants have shaped world knowledge, health, wealth, and beauty
Howell, Catherine Herbert National Geographic Society (U.S.) 580.9 Knowledge

A sumptuous showcase of superb illustrations paired with fascinating stories of botanical exploration and trade through the ages, this book will be an evergreen delight.

A collaboration between National Geographic and the world-renowned Missouri Botanical Garden, this book blossoms with legend and lore as it culls the most engrossing mysteries and.

private life of plants: a natural history of plant behaviour
Attenborough, David 581 Knowledge

With lots of pictures. You'll never see plants the same way!

Thinking Like a Plant: A Living Science for Life
Holdrege, Craig 581 Knowledge

Plants are dynamic and resilient, living in intimate connection with their environment. This book presents an organic way of knowing modeled after the way plants live. When we slow down, turn our attention to plants, study them carefully, and consciously internalize the way they live, a transformation begins. Our thinking becomes more fluid and dynamic; we realize how we are embedded in the world; we become sensitive and responsive to the contexts we meet; and we learn to thrive within a changing world. These are the qualities our culture needs in order to develop a more sustainable, life-supporting relation to our environment. While it is

What a Plant knows
Chamovitz, Daniel 581 Knowledge

How does a Venus flytrap know when to snap shut? Can it actually feel an insect's tiny, spindly legs? And how do cherry blossoms know when to bloom? Can they actually remember the weather? For centuries we have collectively marveled at plant diversity and form--from Charles Darwin's early fascination with stems to Seymour Krelborn's distorted doting in Little Shop of Horrors. But now, in What a Plant Knows, the renowned biologist Daniel Chamovitz presents an intriguing and scrupulous look at how plants themselves experience the world--from the colors they see to the schedules they keep. Highlighting the latest research in
Carnivorous nights: on the trail of the Tasmanian tiger
Mittelbach, Margaret 590 Knowledge

Packing an off-kilter sense of humor and keen scientific minds, Margaret Mittelbach and Michael Crewdson, along with renowned artist Alexis Rockman, take off on a postmodern safari. Their mission? Tracking down the elusive Tasmanian tiger. Tragically, this mysterious, striped predator was hunted into extinction in the early part of the twentieth century. Or was it? Journeying first to the Australian mainland and then south to the wild island of Tasmania, these young naturalists brave a series of bizarre misadventures and uproarious wildlife.

Animal migration: remarkable journeys in the wild
Hoare, Ben 591.5 Knowledge

Migration has always amazed and perplexed scientist and nature lover alike. Why and how do animals of all shapes and sizes are driven to embark on long and difficult journeys at any time of the year? This beautiful book exposes the latest scientific knowledge that offer insight into this phenomenon. - Detailed routes of some 50 of the most amazing animal travelers; - 30 migration hotspots around the world where you can watch some of the most dramatic migration spectacles; - specific conservation issues for each featured species; - what compels these creatures to travel thousands of kilometres - How do they navigate so successfully over

Incredible journeys: amazing animal migrations
Holing, Dwight; Animal Planet (Television network) 591.5 Knowledge


Oxford companion to animal behaviour
McFarland, David 591.5 Knowledge

contents: covers a wide range of topics within the scientific study of animal behaviour, illustrated throughout with original drawings; detailed subject and animal index; bibliography with suggestions for further reading. Pbk. ed

The cuckoo and the warbler: a true New Zealand story
Warne, K. P 598 /P Picture Book Shelves

A beautiful picture book recommended for Level 3 Biology
The Cuckoo and the Warbler tells the story of one of the most remarkable wildlife relationships in New Zealand, between pipiwharauroa the shining cuckoo, and riroriro, the grey warbler. It is a story of tragedy, trickery and faithful care; and it plays out each spring and summer in the forests of Aotearoa. Although rarely seen by humans, the interaction of these two native birds is a striking example of nature's inventiveness.
**Toroa's journey**

Gill, Maria 598 /P Picture Book Shelves

Based on a true story of Toroa, the 500th chick to hatch at a breeding colony on Taiaroa Head in Dunedin, this evocative story follows the bird's life cycle as it grows from chick to adult. This book is a lovely narrative of Toroa's story and of the problems he might have encountered in the Pacific Ocean. Based on the true story of Toroa, the 500th chick to hatch at a breeding colony on Taiaroa Head in Dunedin, this evocative story follows the bird's life cycle as it grows from chick to adult. Just before Toroa fledged, the ranger attached a transmitter to its back to track the bird's flight path. This book is a lovely narrative of Toroa's story and of the problems

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**Platypus : the extraordinary story of how a curious creature baffled the world**

Moyal, Ann Mozley 599 Knowledge

The extraordinary story of a biological riddle that confounded scientists for nearly ninety years - the beguiling, elusive platypus.

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**Sapiens : a brief history of mankind**

Harari, Yuval N author 599.8 Knowledge

100,000 years ago, at least six human species inhabited the earth. Today there is just one. Us. Homo sapiens. How did our species succeed in the battle for dominance? Why did our foraging ancestors come together to create cities and kingdoms? How did we come to believe in gods, nations and human rights; to trust money, books and laws; and to be enslaved by bureaucracy, timetables and consumerism? And what will our world be like in the millennia to come? In Sapiens, Dr Yuval Noah Harari spans the whole of human history, from the very first humans to walk the earth to the radical - and sometimes devastating - breakthroughs of the

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**The immortal life of Henrietta Lacks**

Skloot, Rebecca 1972- 616.99 Knowledge

Her name was Henrietta Lacks, but scientists know her as HeLa. She was a poor Southern tobacco farmer whose cancer cells became one of the most important tools in medicine. Rebecca Skloot takes the reader on an extraordinary journey in search of Henrietta's story, from the 'coloured' ward of Johns Hopkins Hospital in the 1950s to East Baltimore today, where her children and grandchildren live, and struggle with the legacy of her cells.

Full of warmth and questing intelligence, astonishing in scope and impossible to put down, The

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**DNA & genetic engineering**

Snedden, Robert 660 Knowledge

Other Title: DNA and genetic engineering Content: Protein factories, Gene Control, Bacterial benefits, Inserting new genes, Going multicellular, Gene therapy, Genetic map History of events in genetics Glossary, websites, index
Designer genes: the New Zealand guide to the issues, facts and theories about genetic engineering
Prebble, Ray

Oryx and Crake
Atwood, Margaret 1939-

Pigs might not fly but they are strangely altered. So, for that matter, are wolves and raccoons. A man, once named Jimmy, lives in a tree, wrapped in old bedsheets, now calls himself Snowman. The voice of Oryx, the woman he loved, teasingly haunts him. And the green-eyed Children of Crake are, for some reason, his responsibility.

The outrageous imagination of Margaret Atwood has never been better. Dark, witty, scary and very credible, this is a mystery, an adventure story, a page-turner and a brilliant novel.

Chromosome 6
Cook, Robin 1940-

Chromosome 6 is a prophetic thriller that challenges the medical ethics of genetic manipulation and cloning in the jungles of equatorial Africa, where one mistake could bridge the gap between man and ape -- and forever change the genetic map of our existence...

Flight behaviour: a novel
Kingsolver, Barbara

Dellarobia Turnbow is a restless farm wife who gave up her own plans when she accidentally became pregnant at seventeen. Now, after a decade of domestic disharmony on a failing farm, she has settled for permanent disappointment but seeks momentary escape through an obsessive flirtation with a younger man. As she hikes up a mountain road behind her house to a secret tryst, but instead encounters a shocking sight: a silent, forested valley filled with what looks like a lake of fire. She can only understand it as a cautionary miracle, but it sparks a raft of other explanations from scientists, religious leaders and the media. The bewildering