

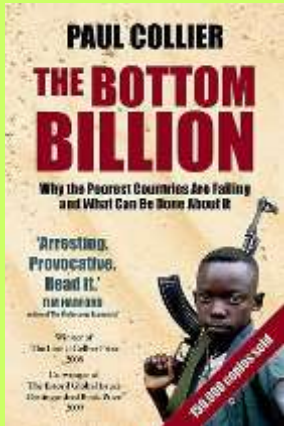
# Geography Extended Reading List

## **The Big Thirst: The Secret Life and Turbulent Future of Water by Charles Fishman (333.91)**



The water coming out of your tap is four billion years old and might have been slurped by a Tyrannosaurus Rex. We will always have exactly as much water on Earth as we have ever had. Water cannot be destroyed, and it can always be made clean enough for drinking again. In fact, water can be made so clean that it actually becomes toxic. As Charles Fishman brings vibrantly to life in this delightful narrative excursion, water runs our world in a host of awe-inspiring ways, which is both the promise and the peril of our unexplored connections to it.

## **The Bottom Billion: why the poorest countries are failing and what can be done about it by Paul Collier (338.9)**



In the universally acclaimed and award-winning *The Bottom Billion*, Paul Collier reveals that fifty failed states--home to the poorest one billion people on Earth--pose the central challenge of the developing world in the twenty-first century. The book shines much-needed light on this group of small nations, largely unnoticed by the industrialized West that are dropping further and further behind the majority of the world's people, often falling into an absolute decline in living standards. A struggle rages within each of these nations between reformers and corrupt leaders--and the corrupt are winning. Collier analyses the causes of failure, pointing to a set of traps that ensnare these countries, including civil war, a dependence on the extraction and export of natural resources, and bad governance. Standard solutions do not work, he writes; aid is often ineffective, and globalization can actually make matters worse, driving development to more stable nations. What the bottom billion need, Collier argues, is a bold new plan supported by the Group of Eight industrialized nations. If failed states are ever to be helped, the G8 will have to adopt preferential trade policies, new laws against corruption, new international charters, and even conduct carefully calibrated military interventions. Collier has spent a lifetime working to end global poverty. In *The Bottom Billion*, he offers real hope for solving one of the great humanitarian crises facing the world today.

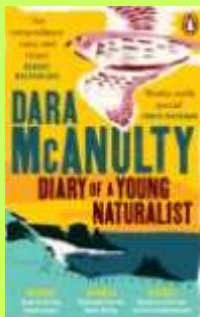
## **Climate Wars by Gwynne Dyer (363.7)**



Waves of climate refugees. Dozens of failed states. All-out war. From one of the world's great geopolitical analysts comes a terrifying glimpse of the strategic realities of the near future, when climate change drives the world's powers towards the cut-throat politics of survival. Prescient and unflinching, *Climate Wars* will be one of the most important books of the coming years. Read it and find out what we're heading for.



## **Diary of a Young Naturalist (508.092)**



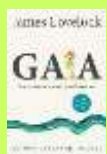
*Diary of a Young Naturalist* chronicles the turning of 15-year-old Dara McNulty's world. From spring and through a year in his home patch in Northern Ireland, Dara spent the seasons writing. These vivid, evocative and moving diary entries about his connection to wildlife and the way he sees the world are raw in their telling. "I was diagnosed with Asperger's/autism aged five ... By age seven I knew I was very different, I had got used to the isolation, my inability to break through into the world of talking about football or Minecraft was not tolerated. Then came the bullying. Nature became so much more than an escape; it became a life-support system." *Diary of a Young Naturalist* portrays Dara's intense connection to the natural world, and his perspective as a teenager juggling exams and friendships alongside a life of campaigning. "In writing this book," Dara explains, "I have experienced challenges but also felt incredible joy, wonder, curiosity and excitement. In sharing this journey my hope is that people of all generations will not only understand autism a little more but also appreciate a child's eye view on our delicate and changing biosphere."

## **The Future We Choose: Surviving the Climate Crisis by Christiana Figueres (363.74)**



We can survive the climate crisis. This book shows us how. We have two choices for our future, which is still unwritten. It will be shaped by who we choose to be right now. So, how can we change the story of the world? *The Future We Choose* is a passionate call to arms from former UN Executive Secretary for Climate Change, Christiana Figueres, and Tom Rivett-Carnac, senior political strategist for the Paris Agreement. We are still able to stave off the worst and manage the long-term effects of climate change, but we have to act now.

## **Gaia: a New Look at Life on Earth by James Lovelock (363.7)**



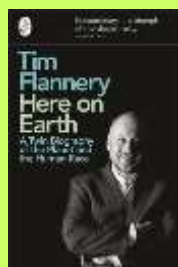
In this classic work that continues to inspire many readers, Jim Lovelock puts forward his idea that the Earth functions as a single organism. Written for non-scientists, *Gaia* is a journey through time and space in search of evidence in support of a radically different model of our planet. In contrast to conventional belief that life is passive in the face of threats to its existence, the book explores the hypothesis that the Earth's living matter influences air, ocean, and rock to form a complex, self-regulating system that has the capacity to keep the Earth a fit place for life.

## Geography an integrated approach by David Waugh (910)



This revised second edition of the essential text for sixth-form geography places increased emphasis on integrating physical, human, economic and environmental themes. Extensive new material on farming, food supply, and energy resources is included.

## Here on Earth a twin biography of the planet and the human race by Tim Flannery (576.8)



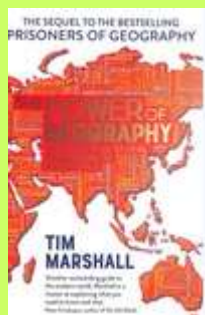
Beginning at the moment of creation with the Big Bang, *Here on Earth* explores the evolution of Earth from a galactic cloud of dust and gas to a planet with a metallic core and early signs of life within a billion years of being created. In a compelling narrative, Flannery describes the formation of the Earth's crust and atmosphere, as well as the transformation of the planet's oceans from toxic brews of metals (such as iron, copper, and lead) to life-sustaining bodies covering 70 percent of the planet's surface. Life, Flannery shows, first appeared in these oceans in the form of microscopic plants and bacteria, and these metals served as catalysts for the earliest biological processes known to exist. From this starting point, Flannery tells the fascinating story of the evolution of our own species, exploring several early human species—from the diminutive creatures (the famed *hobbits*) who lived in Africa around two million years ago to *Homo erectus*—before turning his attention to *Homo sapiens*. Drawing on Charles Darwin's and Alfred Russell Wallace's theories of evolution and Lovelock's Gaia hypothesis, *Here on Earth* is a dazzling account of life on our planet.

## Novacene: The Coming of Age of Hyperintelligence by James Lovelock (570.1)



James Lovelock, creator of the Gaia hypothesis and the greatest environmental thinker of our time, has produced an astounding new theory about future of life on Earth. He argues that the anthropocene - the age in which humans acquired planetary-scale technologies - is, after 300 years, coming to an end. A new age - the novacene - has already begun. New beings will emerge from existing artificial intelligence systems.

## The Power of Geography by Tim Marshall (320.9)



Tim Marshall's 'Prisoners of Geography' showed how every nation's choices are limited by mountains, rivers, seas, and concrete. Since then, the geography hasn't changed, but the world has. In this revelatory new book, Marshall takes us into ten regions that are set to shape global politics and power. Find out why the Earth's atmosphere is the world's next battleground; why the fight for the Pacific is just beginning; and why Europe's next refugee crisis is closer than it thinks. In ten chapters covering Australia, The Sahel, Greece, Turkey, the UK, Iran, Ethiopia, Saudi Arabia, Spain and Space, delivered with Marshall's trademark wit and insight, this is a lucid and gripping exploration of the power of geography to shape humanity's past, present, and future.

## The Prisoners of Geography by Tim Marshall (320.9)



Spread over ten chapters, using maps, essays and occasionally the personal experiences of the widely travelled author, 'Prisoners of Geography' looks at the past, present and future to offer an essential guide to geopolitics, one of the major determining factors in world history. This edition has been updated to reflect current events of 2016.

## Six Degrees by Mark Lynas (363.7)



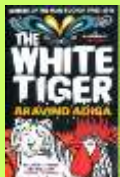
Possibly the most graphic treatment of global warming that has yet been published, *Six Degrees* is what readers of Al Gore's best-selling *An Inconvenient Truth* or Ross Gelbspan's *Boiling Point* will turn to next. Written by the acclaimed author of *High Tide*, this highly relevant and compelling book uses accessible journalistic prose to distil what environmental scientists portend about the consequences of human pollution for the next hundred years.

## The Vanishing Face of Gaia: a final warning by James Lovelock (363.7)



James Lovelock's Gaia theory, the idea that our planet is a living, self-regulating system, has transformed the way we see our planet and what is now happening to it. In this book he distils a lifetime's wisdom and observation of the Earth to reveal the rate at which our climate is altering, how conventional 'green' measures are not working, and how life as we know it is going to change forever. Only Gaia, he shows, can help us fully understand this, and prepare us for the future.

## The White Tiger by Aravind Adiga (ADI)



Balam, the White Tiger, was born in a backwater village on the River Ganges, the son of a rickshaw-puller. He works in a teashop, crushing coal and wiping tables, but nurses a dream of escape. When he learns that a rich village landlord needs a chauffeur, he takes his opportunity, and is soon on his way to Delhi behind the wheel of a Honda. Amid the cockroaches and call-centres, the 36,000,004 gods, the slums, the shopping malls, and the crippling traffic jams, Balam learns of a new morality at the heart of a new India. Driven by desire to better himself, he comes to see how the Tiger might escape his cage...