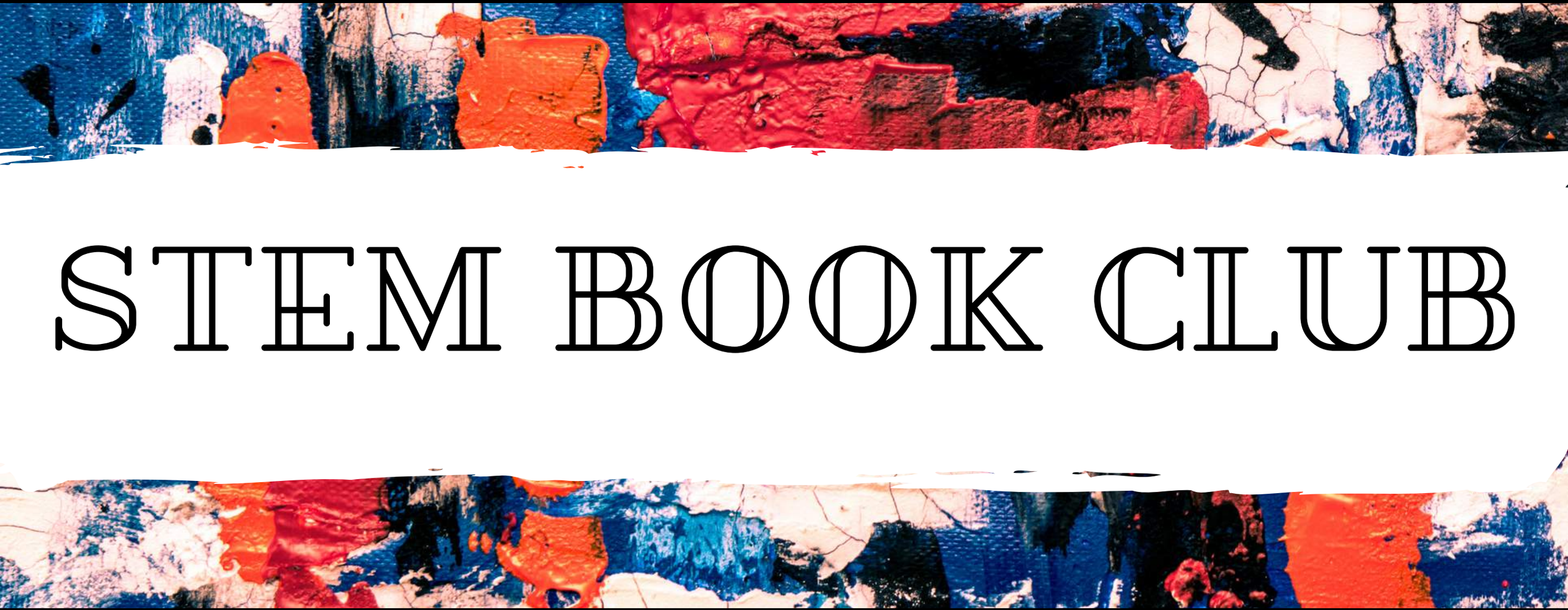


STEM BOOK CLUB

WELCOME TO TECHFEST BOOK CLUB!

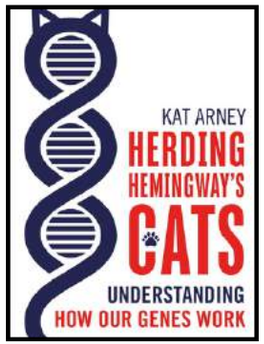
Here you'll find a list of STEM related books suitable not only for our younger audience, but also for the adult readers.

Simply click on the images to learn more about the books.

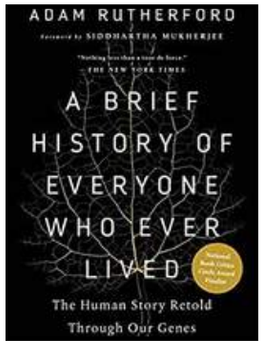
This project is supported by TECHFEST digital
Aberdeen and North-East Scotland's Festival of Science, Technology, Engineering & Mathematics
www.techfest.org.uk

BOOKS RECOMMENDED BY TECHFEST

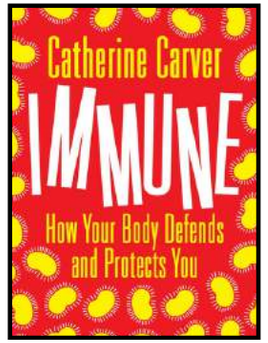
Martha's picks



Drawing on stories ranging from six toed cats and stickleback hips to Mickey Mouse mice and zombie genes - told by researchers working at the cutting edge of genetics - Kat Arney explores the mysteries in our genomes with clarity, flair and wit, creating a companion reader to the book of life itself.



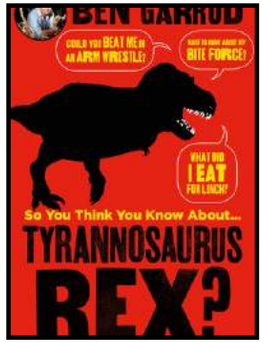
A story about you. In this captivating journey through the expanding landscape of genetics, Adam Rutherford reveals what our genes now tell us about human history, and what history can now tell us about our genes.



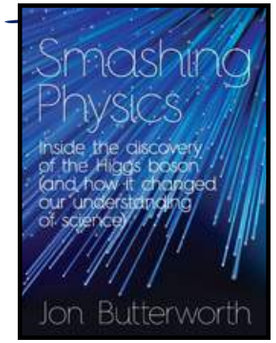
How can your body make more antibodies than there are stars in the galaxy? Can we smell someone else's immune system, and does that help us subconsciously decide who we fall in love with? Catherine Carver answers these compelling questions, and many more besides.

BOOKS RECOMMENDED BY TECHFEST

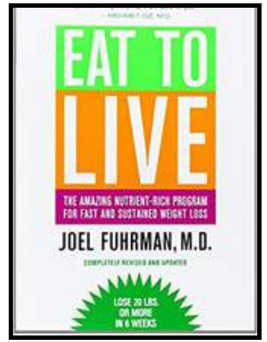
Sarah's picks



TV scientist, Ben Garrod, is proud to be a geek as he mixes hard science and humour to prove that science is for everyone. Looking at the evolutionary arms race, prey, predators, place, time, groups and species, Ben reveals new-look of dinosaurs.



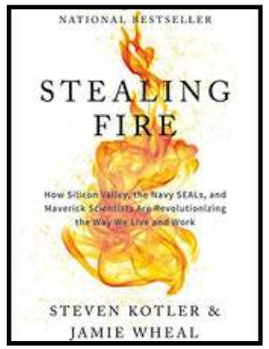
It is a story of incredible scientific collaboration, inspiring technological innovation and ground-breaking science. It is also the story of what happens when the world's most expensive experiment blows up, of neutrinos that may or may not travel faster than light, and the reality of life in an underground bunker in Switzerland.



Hailed a "medical breakthrough" by Dr. Mehmet Oz, *Eat to Live* offers a highly effective, scientifically proven way to lose weight quickly. The key to Dr. Joel Fuhrman's revolutionary six-week plan is simple: health = nutrients / calories. .

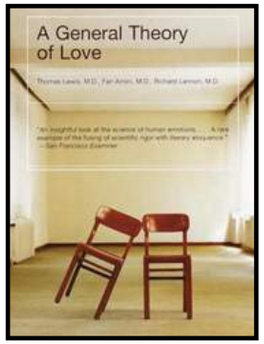
BOOKS RECOMMENDED BY TECHFEST

Gabi's picks



Stealing Fire explores how altered states of consciousness can provide us not only with new transcendental meanings of life but also a very practical mental edge for our entrepreneurial endeavors.

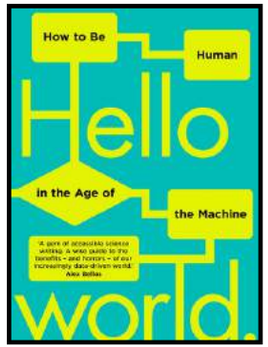
Technology is accelerating far more quickly than anyone could have imagined. In this gripping and insightful roadmap to our near future, Diamandis and Kotler investigate how wave after wave of exponentially accelerating technologies will impact both our daily lives and society as a whole.



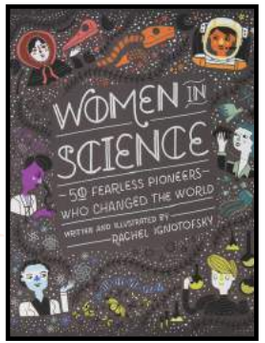
A General Theory of Love demonstrates that from earliest childhood, our brains actually link with those of the people close to us, and establishes life-long emotional patterns, and makes us, in large part, who we are. Explaining how relationships function, how parents shape their child's developing self, how psychotherapy really works and more.

BOOKS RECOMMENDED BY TECHFEST

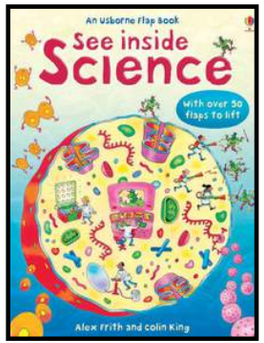
Jenny's picks



Hannah Fry takes us on a tour of the algorithms that surround us. In *Hello World* she lifts the lid on their inner workings, demonstrates their power, exposes their limitations, and examines whether they really are an improvement on the humans they are replacing.



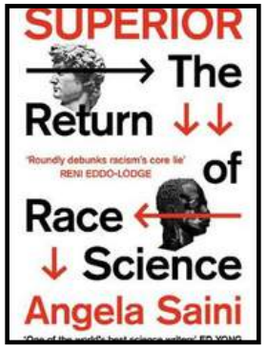
A gloriously illustrated celebration of trailblazing women. *Women in Science* highlights the contributions of fifty notable women to the STEM fields of science, technology, engineering and mathematics, from both the ancient and modern worlds. The book also contains fascinating infographics and an illustrated scientific glossary.



Fabulous flap book that demonstrates basic scientific ideas in a simple and engaging way. Each double page shows key ideas from a different branch of science, including astronomy, ecology, chemistry and physics. Reveals the secrets of how our world works and provides children with a strong foundation in science.

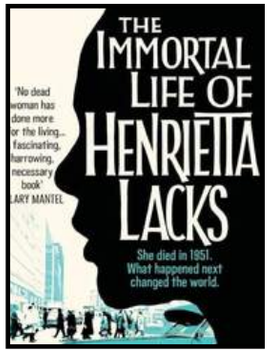
BOOKS RECOMMENDED BY TECHFEST

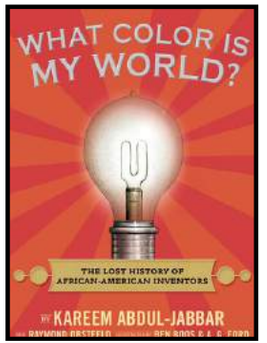
Kirsty's picks



In this book Angela Saini explores the concept of race, from its origins to the present day. Engaging with geneticists, anthropologists, historians and social scientists from across the globe, Superior is a rigorous, much needed examination of the insidious and destructive nature of race science.

A story about a poor black tobacco farmer who worked the same land as her slave ancestors. Her cells taken in 1951 became the first immortal human cell line ever grown in culture that eventually become one of the most important tools in modern medicine.

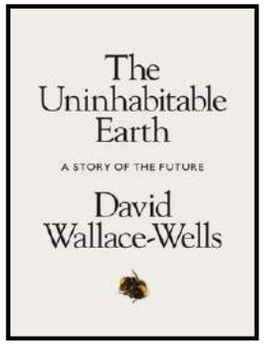




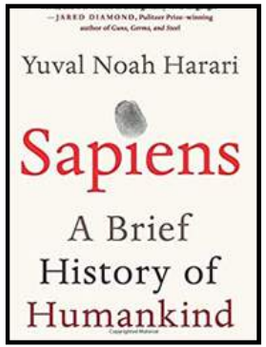
Kareem Abdul-Jabbar, basketball legend and the NBA's all-time leading scorer, champions a lineup of little-known African-American inventors in this lively, kid-friendly book. It's a tribute to black inventors whose ingenuity and perseverance against great odds made our world safer, better, and brighter.

BOOKS RECOMMENDED BY TECHFEST

Kirsty's picks



The long-form article depicts a worst-case scenario of what might happen in the near-future due to global warming. The story was the most read article in the history of the magazine.

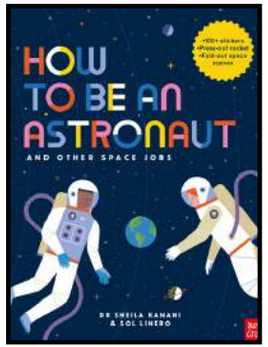


Fire gave us power. Farming made us hungry for more. Money gave us purpose. Science made us deadly. This is the thrilling account of our extraordinary history - from insignificant apes to rulers of the world.

With little text, and many an intricate, yet approachable diagram, Jeffers describes the bare bones of the Earth, delving into the basics of the land - from mountain ranges, flat plains, deserts, volcanoes and lakes - the sea, the sky, the human body, animals and night and day.

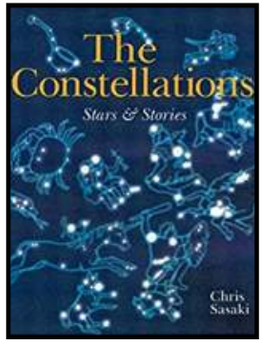
BOOKS RECOMMENDED BY TECHFEST

Tish's picks



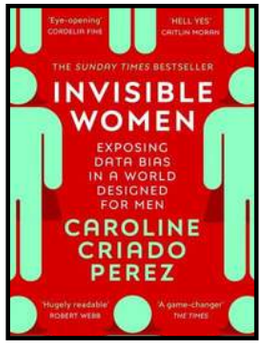
Find out all about space and all the incredible space jobs you could do, from training to be a space chef to searching for new planets we could live on, or living in the International Space Station. This book will inspire anyone with an interest in science and space exploration.

Discover how you become an astronaut, the training you must undertake, how you travel into space and what you do when you're up there. With a foreword from ESA astronaut Tim Peake, the first British astronaut to embark on a mission to the International Space Station.



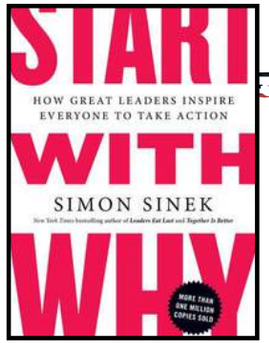
For thousands of years people have looked up to the night sky and told stories about the stars. These epic tales tell of vengeful gods and goddesses, of monsters and heroes. Others try to make sense of the natural world, or unravel the mysterious forces of the universe.

BOOKS RECOMMENDED BY 2023 FESTIVAL GUESTS



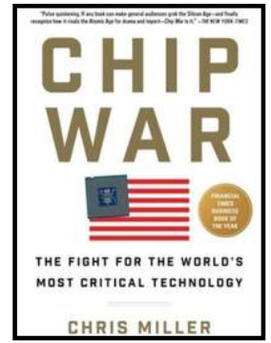
iCaird Team, University of Aberdeen recommends

Data is fundamental to the modern world. But because so much data fails to take into account gender, because it treats men as the default and women as atypical, bias and discrimination are baked into our systems. And women pay tremendous costs for this bias, in time, money, and often with their lives.



Michael O'Sullivan, RAB Microfluidics recommends

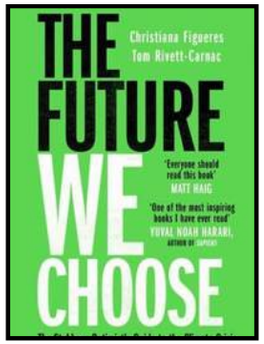
Start With Why is Simon Sinek's mission to help others do work, which inspires them, and uses real-world examples of great leaders to show you how they communicate and how you can adapt their mindset to inspire others yourself.



Michael O'Sullivan, RAB Microfluidics recommends

CHIP WAR by Chris Miller is an epic account of the decades-long battle to control what has emerged as the world's most critical resource–microchip technology–with the United States and China increasingly in conflict.

BOOKS RECOMMENDED BY 2023 FESTIVAL GUESTS



Javier Dominguez, TWEFDA Limited recommends

A cautionary but optimistic book about the world's changing climate and the fate of humanity. Figueres and Rivett-Carnac were both inspired by their own children to act, and they see the new movement of young people demanding action on climate change as a powerful tool for change.

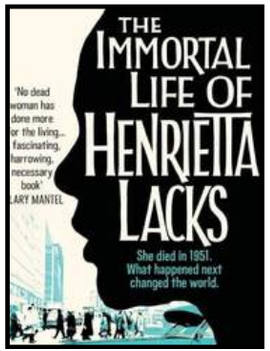
Wendy Deegan, RGU School of Pharmacy and Life Sciences recommends

In pursuit of the wild, solitary, predatory octopus, popular naturalist Sy Montgomery has practiced true immersion journalism. From New England aquarium tanks to the reefs of French Polynesia and the Gulf of Mexico, she has befriended octopuses with strikingly different personalities–gentle Athena, assertive Octavia, curious Kali, and joyful Karma. Each creature shows her cleverness in myriad ways: escaping enclosures like an orangutan; jetting water to bounce balls; and endlessly tricking companions with multiple "sleights of hand" to get food.

BOOKS RECOMMENDED BY 2020 FESTIVAL GUESTS

SCIENCE ON A POSTCARD

Heidi Gardner at Science on A Postcard recommends

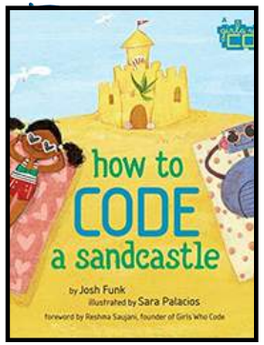


The Immortal Life of Henrietta Lacks by Rebecca Skloot. *The story of the life, and afterlife, of one woman who changed the medical world forever, an extraordinary journey in search of the story of a real woman, whose cells live on today.*

This is Going to Hurt by Adam Kay The secret diary of a Junior Doctor detailing life on the hospital wards.

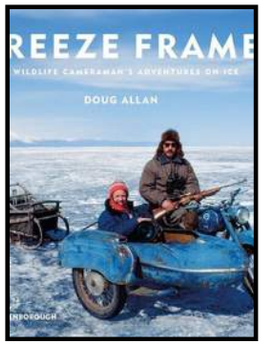
Crumb-Sized: Poems by Marlena Chertock. Marlena Chertock grew up crumb-sized, with a rare bone disorder. She uses this skeletal dysplasia and chronic pain as a bridge to scientific poetry, often exploring the rich images in science and medicine, threading genetics, space, and nature into her work.

BOOKS RECOMMENDED BY 2020 FESTIVAL GUESTS



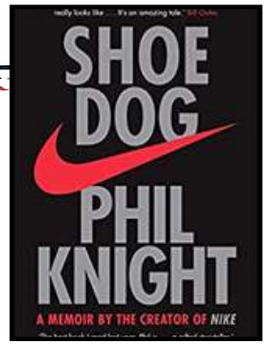
Dr Mahalakshmi Abhishek, at Aberdeen Science Centre recommends

How to Code a Sandcastle (Girls who Code) by Josh Funk. An excellent introduction to the world of coding. Age 4- 8



Doug Allan - Wildlife Photographer recommends

Freeze Frame: A Wildlife Cameraman's Adventures on Ice. A good overview of polar ecology and film making.



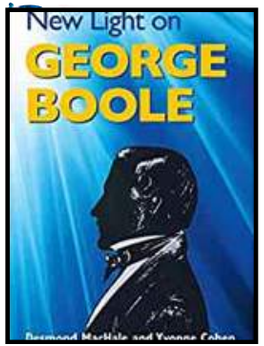
Edward Pollock - Startup Coordinator at RGU Innovation Hub recommends

Shoe Dog by Phil Knight
The story of the founder of Nike.

Edward Pollock - Startup Coordinator at RGU Innovation Hub recommends

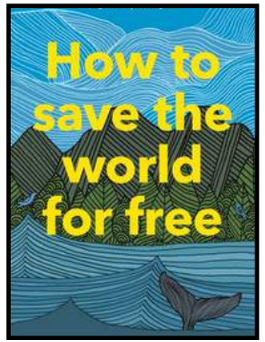
48 Hour Start-up by Fraser Doherty. MBE
Practical entrepreneurship tips from a Scottish entrepreneur.

BOOKS RECOMMENDED BY 2020 FESTIVAL GUESTS



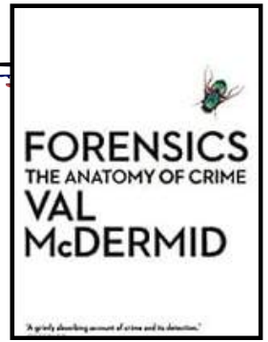
Evelyn Gray at Inverness Science Festival recommends

New Light on George Boole by Desmond MacHale and Yvonne Cohen. A biography of a brilliant mathematician from the 1800's - is this the basis for Arthur Conan Doyle's Moriarty? Boole's ground-breaking work was essential to the development of modern computing.



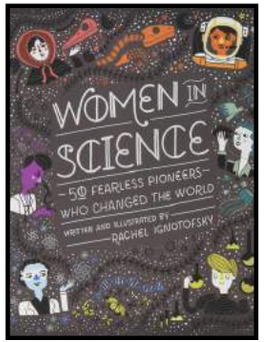
Marie Dare at Macduff Marine Aquarium recommends

How to save the world for free by Natalie Fee. If you're a seasoned environmentalist, just starting out on your journey to living more sustainably or somewhere in between, this book is for you. (Well it's for nature, really. But it's down to us to do the work!)



Dr Matt Pritchard - Sciencemagic recommends

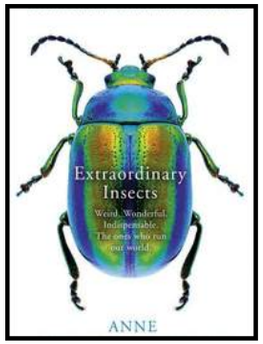
Forensics: The Anatomy of Crime by Val McDermid.
A superb overview of various forensic techniques and case studies.



Sylvia Battcock, at Really Small Science recommends

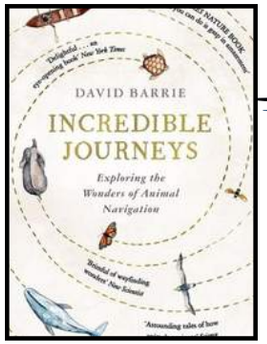
Women in Science: 50 Fearless Pioneers Who Changed the World by Rachel Ignotofsky. Women in Science celebrates the achievements of the intrepid women who have paved the way for the next generation of female engineers, biologists, mathematicians, doctors, astronauts, physicists, and more!

BOOKS RECOMMENDED BY 2020 FESTIVAL GUESTS



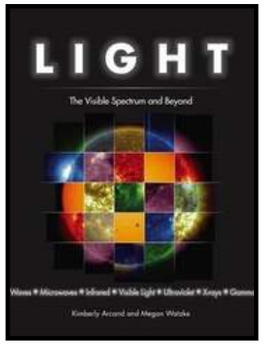
Rachel Arnold at RZSS recommends

Extraordinary Insects: Weird. Wonderful. Indispensable. The ones who run our world by Anne Sverdrup-Thygeson. A journey into the weird, wonderful and truly astonishing lives of the small but mighty creatures we can't live without. Like it or not, Earth is the planet of insects, and this is their extraordinary story.



Rachel Arnold at RZSS recommends

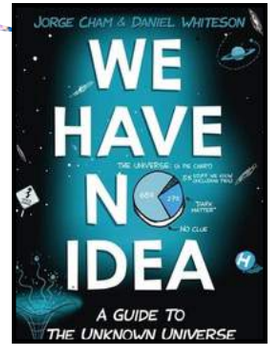
Incredible Journeys - Exploring the wonders of animal navigation by David Barrie. Barrie shines a light on the astounding skills of animals of every stripe. Dung beetles that steer by the light of the Milky Way. Ants and bees that navigate using patterns of light invisible to humans. Sea turtles, spiny lobsters and moths that find their way using the Earth's magnetic field.



Dr Olga Runcie at Somniance recommends

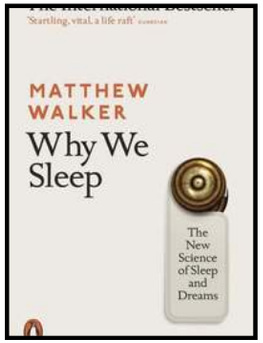
Light. The visible spectrum and beyond by Kimberly Arcand and Megan Watzke. Light allows us to see everything around us, but humans can only see a sliver of all light, known as the electromagnetic spectrum. Here, Kim Arcand and Megan Watzke present the subject of light as never before.

BOOKS RECOMMENDED BY 2020 FESTIVAL GUESTS



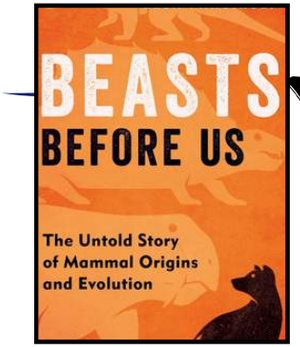
Dr Tom Crawford, at Tom Rocks Maths recommends

We Have No Idea by Jorge Cham and Daniel Whiteson. Prepare to learn everything we still don't know about our strange and mysterious universe.



Sophie Arthur at Soph Talks Science recommends

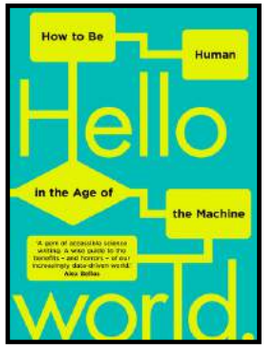
Why We Sleep by Matthew Walker. Professor Matthew Walker explores twenty years of cutting-edge research to solve the mystery of why sleep matters, transforming our appreciation of the extraordinary phenomenon that safeguards our existence.



Use code BEASTS20 and get 20% off!

Dr Elsa Panciroli recommends at Oxford University Museum of Natural History

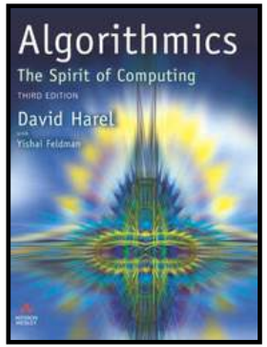
This is the first popular science book to completely re-tell the story of our most ancient of ancestors. This book proves they weren't just mammal precursors, they were pioneers.



Sophie Arthur at Soph Talks Science recommends

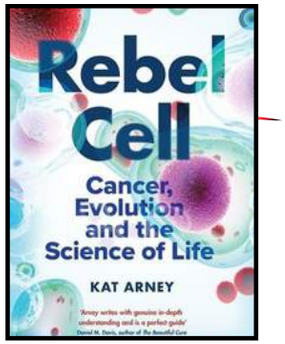
Hello World by Dr Hannah Fry Welcome to the age of the algorithm, the story of a not-too-distant future where machines rule supreme, making important decisions - in healthcare, transport, finance, security, what we watch, where we go even who we send to prison. So how much should we rely on them? What kind of future do we want?

BOOKS RECOMMENDED BY 2020 FESTIVAL GUESTS



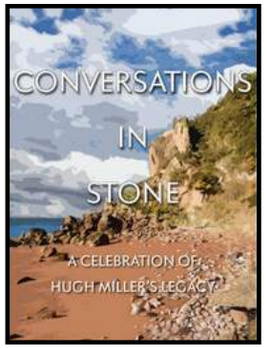
Professor Wamberto Vasconcelos at University of Aberdeen recommends

Algorithmics: the spirit of computing by David Harel published by Addison Wesley The best selling 'Algorithmics' presents the most important, concepts, methods and results that are fundamental to the science of computing.



Dr Andrew Holding at University of York recommends

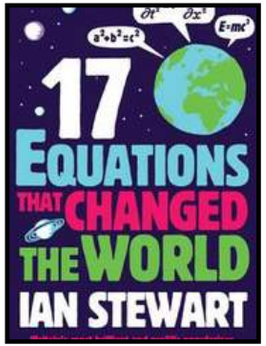
Rebel Cell by Kat Arney. Geneticist and science writer Kat Arney takes the reader back to the dawn of life on planet earth right up to the present day to get to the heart of what cancer really is and how by better understanding it we might one day overcome it.



Gavin Berkenheger, Friends of Hugh Miller recommends

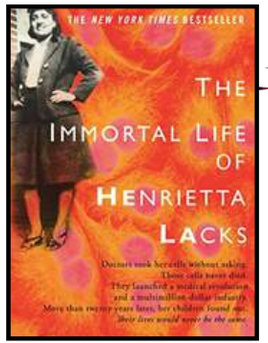
Conversations in Stone: A Celebration of Hugh Miller's Legacy. The writer, self-taught geologist and stonemason Hugh Miller (1802-1856) was one of Scotland's finest nature writers. Born in Cromarty, his works made him a household name, and to this day his lyrical style transports readers to stand beside him at the rock-face. Celebrating his legacy, this anthology brings together prose and poetry inspired by Miller and his life, and his unwavering love of stone, landscape and palaeontology.

BOOKS RECOMMENDED BY 2020 FESTIVAL GUESTS



Dr Tom Crawford, at Tom Rocks Maths recommends

17 Equations that Changed the World by Ian Stewart. From Newton's Law of Gravity to the Black-Scholes model used by bankers to predict the markets, equations, are everywhere -- and they are fundamental to everyday life. Seventeen Equations that Changed the World examines seventeen ground-breaking equations that have altered the course of human history.



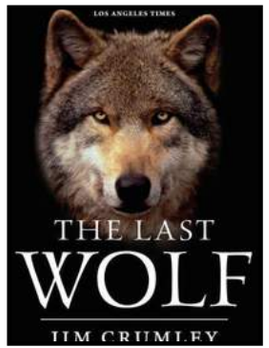
Louisa Taylor at Children's Brain Tumour Research Centre; University of Nottingham recommends

The Immortal Life of Henrietta Lacks - Rebecca Skloot (Adult audience). The story of the life, and afterlife, of one woman who changed the medical world forever, an extraordinary journey in search of the story of a real woman, whose cells live on today.

Professor Marcel Jaspars and Professor Abbe Brown at University of Aberdeen recommends

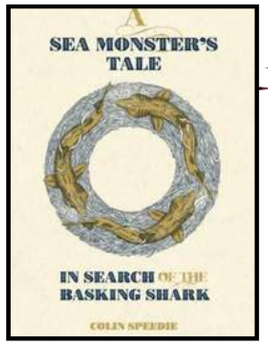
Sustaining Life: How Human Health Depends on Biodiversity Edited by Eric Chivian and Aaron Bernstein. The first book to fully explore how the loss of biodiversity endangers human health.

BOOKS RECOMMENDED BY 2020 FESTIVAL GUESTS



Danai Vroulli at Duthie Park Ranger Service recommends

In The Last Wolf, Jim Crumley explores the place of the wolf in Scotland - past, present and future - and challenges many of the myths that have been regarded for centuries as biological fact.



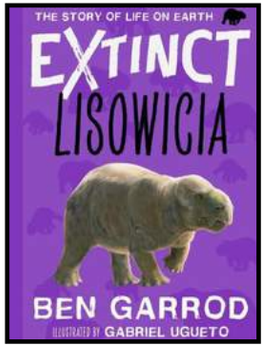
Macduff Marine Aquarium recommends

This book takes us from swashbuckling hunts of giant sharks by reckless individuals with makeshift harpoons, through an age of mass slaughter, to the author's personal shark-tracking adventures in the name of conservation. There are few marine creatures as spectacular as the Basking Shark.

Claire Keenan at Keenan Recycling Ltd recommends

Author's autobiographical story about how he becomes greatly concerned with the negative impacts humans are having on the environment and embarks on a journey to discover what it looks like to live life in New York with a wife, small child and a dog while having no net impact on the environment.

BOOKS RECOMMENDED BY 2020 FESTIVAL GUESTS



Elsa Panciroli at Oxford University Museum of Natural History recommends

Lisowicia was super-sized. Weighing in at 9 tonnes, it was one of the largest animals roaming the planet during the Late Triassic. It was a kind of cross between a reptile and a mammal, but not quite either! In this book you will learn what Lisowicia ate, how and where it lived and how it disappeared.

Craig Smith at Dynamic Earth recommends

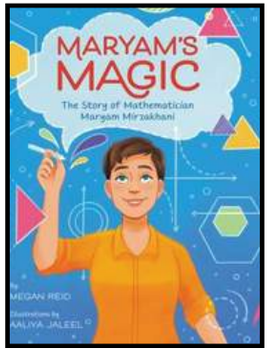
Meet 12 young activists from around the world who are speaking out and taking action against climate change. Learn about the work they do and the challenges they face, and discover how the future of our planet starts with each and every one of us.

Louisa Taylor at University of Nottingham recommends

In this book you will learn about author's terrific highs and lows while working as a doctor in the UK's National Health Service. On the one hand, he could save lives and another he could be faced with death at any time.

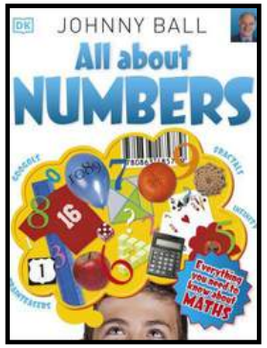
BOOKS RECOMMENDED BY 2021 FESTIVAL GUESTS

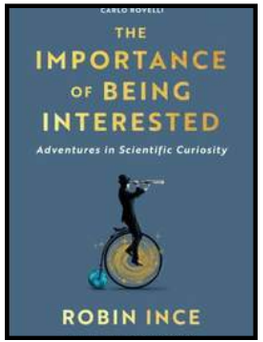
David Hall recommends



From Althea Gibson author Megan Reid and rising star artist Aaliya Jaleel, illustrator of Under My Hijab, comes the first picture book about trailblazing mathematician Maryam Mirzakhani, the first woman to win the world's most prestigious honor in mathematics.

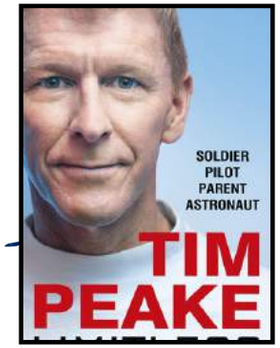
Popular television presenter Johnny Ball shares his love of maths and the essential part numbers play in our lives, from measuring, counting, and predicting to solving all sorts of problems.





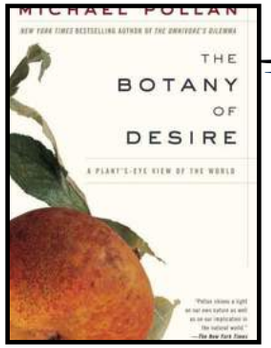
'A delightful and scintillating hymn to science.' Carlo Rovelli Comedian Robin Ince quickly abandoned science at school, bored by a fog of dull lessons and intimidated by the barrage of equations.

BOOKS RECOMMENDED BY 2021 FESTIVAL GUESTS



Amazelab recomend *Limitless: The Autobiography*

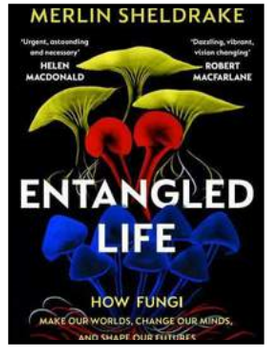
In fascinating and personal detail, and drawing on exclusive diaries and audio recordings from his mission, astronaut Tim Peake takes readers closer than ever before to experience what life in space is really like: the sights, the smells, the fear, the sacrifice, the exhilaration and the deep and abiding wonder of the view



Simon Watt recommends Michael Pollan:

The Botany of Desire

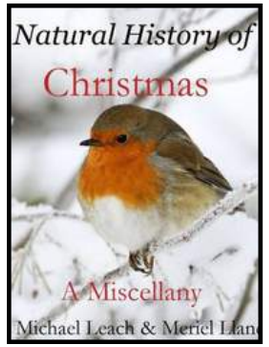
In The Botany of Desire, Michael Pollan ingeniously demonstrates how people and domesticated plants have formed a similarly reciprocal relationship. He masterfully links four fundamental human desires-sweetness, beauty, intoxication, and control-with the plants that satisfy them: the apple, the tulip, marijuana, and the potato.



Simon Watt recommends Merlin Sheldrak:
Entangled Life

The more we learn about fungi, the less makes sense without them. They can change our minds, heal our bodies and even help us avoid environmental disaster; they are metabolic masters, earth-makers and key players in most of nature's processes. In Entangled Life, Merlin Sheldrake takes us on a mind-altering journey into their spectacular world,

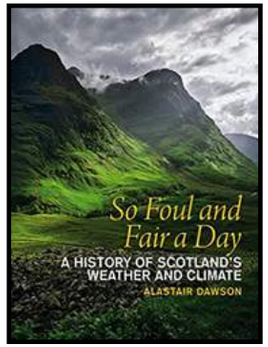
BOOKS RECOMMENDED BY 2021 FESTIVAL GUESTS



Michael Leach recommends: *The Natural History of Christmas*

The Natural History of Christmas explores how plants, animals and the environment feature strongly in Yuletide celebrations.

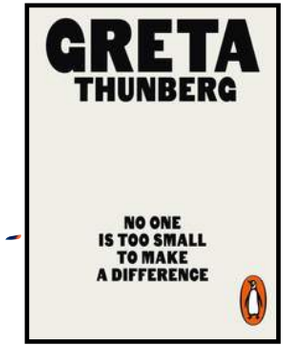
Email Michale Leach to oder a signed copy of the book! Click on the cover for the email address.



Ed Schofield recommends: So Foul and Fair a Day: A History of Scotland's Weather and Climate

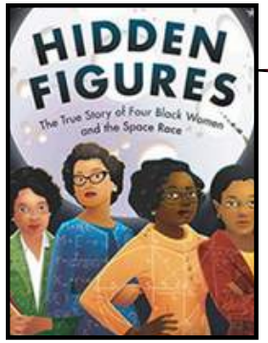
In "*So Foul and Fair a Day*", Professor Alastair Dawson provides for the first time a detailed account of Scotland's past weather and climate conditions and the effects that they have had on determining the physical and social face of the country.

BOOKS RECOMMENDED BY STEM AMBASSADORS



Jessica Brook recommends

No One Is Too Small to Make A Difference is a rallying cry for why we must all wake up and fight to protect the living planet, no matter how powerless we feel. Our future depends upon it.



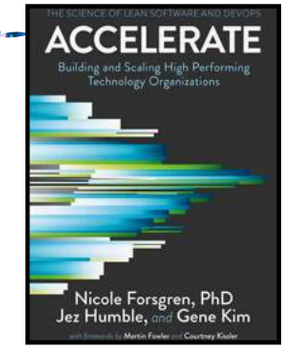
Jessica Brook recommends

Hidden Figures tells the incredible real-life account of Dorothy Vaughan, Mary Jackson, Katherine Johnson, and Christine Darden–who, in a time when black women faced seemingly insurmountable obstacles, went to work as "calculators" at NASA.

Jessica Brook recommends

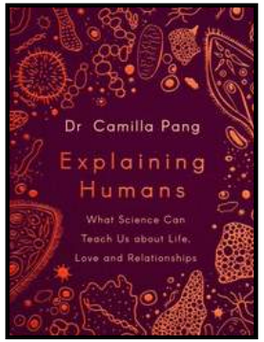
What If is a compilation of well-researched, science-based answers to some of the craziest hypothetical questions you can imagine. What do you think would happen if someone threw a baseball at 90 percent the speed of light?

BOOKS RECOMMENDED BY STEM AMBASSADORS



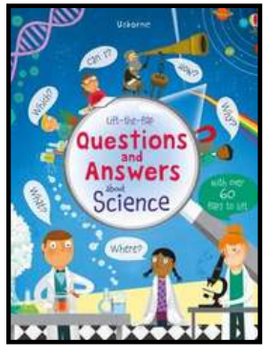
STEM Ambassador Denis Savostiyanov recommends

An excellent book on the state of DevOps. Written with full academic rigour, it discusses aspects from metrics to culture with a detailed, evidence-based approach, providing understanding of what contributes to software delivery, what enables great technical teams, and how companies can become high-performing organisations and win in the market by leveraging technology. A must for software development leads, engineering managers, and alike.



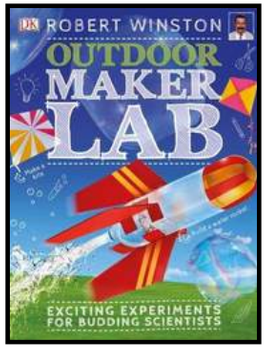
STEM Ambassador Daisy Shearer reccomends

Camilla Pang explores the world through a neurodivergent and scientific lens. Learn about what it means to be a human from her perspective and explore topics from machine learning to molecular chemistry!



STEM Ambassador Yasmeen Farrag recommends

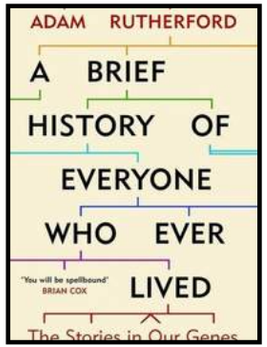
Have you ever asked yourself questions about science like, How does this work? Why is this happening? What is this? And Can I do that? You can find your answers and much more, with this lift-the-flap book and learn exciting things about science.



Yasmeen Farrag also recommends

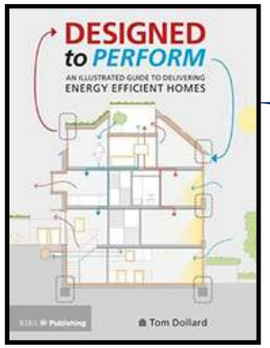
Come on little scientists, let's do some exciting experiments. This book will show you how to do them by using everyday materials and simply explaining the scientific theories behind them.

BOOKS RECOMMENDED BY STEM AMBASSADORS



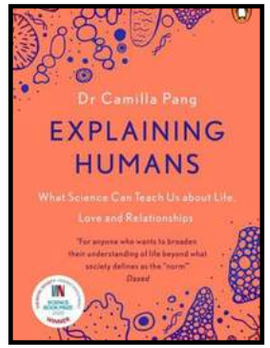
STEM Ambassador Vivek Prabakaran recommends

A witty and intriguing adventure into the history of the past 200,000 years to make the human race what it is today as well as what the future holds for us, told through the scope of genetics and DNA.



STEM Ambassador Stephen Graham recommends

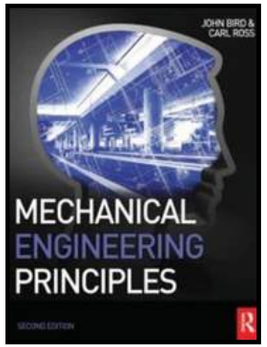
This book covers aspects of the design of energy efficient homes and would prove useful for someone passionate about making a difference to the world in building or designing an energy efficient home. The book also provides clear images to help anyone understand the basic principles, know what questions to ask and avoid common pitfalls when looking at either the design or construction of energy efficient homes.



STEM Ambassador Francisca Tee recommends

This book is about Dr Camilla Pang who got diagnosed with Autism Spectrum Disorder and examined our life, love and relationships through the scientific principles and aspects to not only allow her to understand the world around her but also allows readers to have a guide to achieve a happier and connected life.

BOOKS RECOMMENDED BY STEM AMBASSADORS

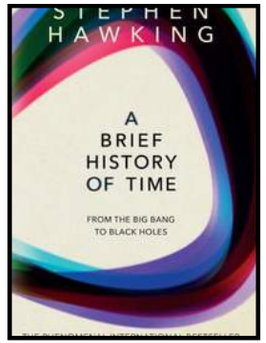


STEM Ambassador Mircea Calarasu recommends

A must-have book for anyone pursuing Mechanical Engineering as a career. It covers all the important principles, from the strength of materials to thermofluids, that are fundamental to mechanical engineering design. Best part is that it's in a condensed, student-friendly format with bite-sized theory and a plethora of worked examples. Used it frequently in the past and it's also great as a refresher!

STEM Ambassador Sam Smith recommends

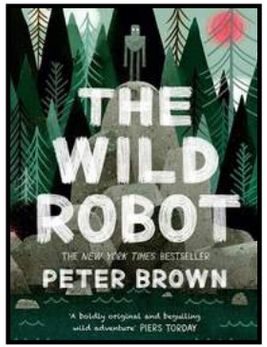
A brilliant book doing what it says on the tin. It takes more than 50 absurd questions such as "What if all of the rain in a storm fell in a giant droplet?"and excellently explains and predicts what would happen. The author also does a great job talking about some of the practical aspects of doing science, and does so in a genuinely funny way!



STEM Ambassador Dominic Martin recommends

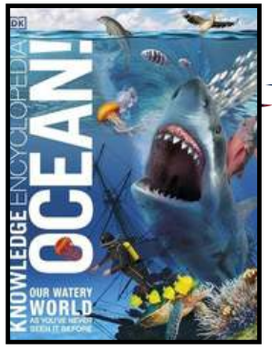
Challenge your understanding of the universe by exploring abstract concepts of cosmology and physics, explained in a way that is simple to understand. Develop your understanding of the origin, progression and potential future of the universe, as well as exploring the principles behind phenomena such as black holes, worm holes and the possibility of time travel

BOOKS RECOMMENDED BY STEM AMBASSADORS



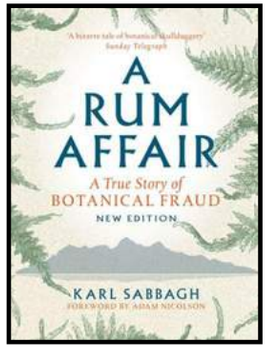
STEM Ambassador Rosalind Hart recommends

The book is about a robot who, after a shipwreck, wakes up on a remote island. She learns to survive in her wild surrounds by first watching and then befriending the animals that live there. Through the story the robot and reader learn about nature, nurture and the seasons. It's an exciting and heart-warming tale. The illustrations are beautiful too! I think it would best suit 9-12 year olds although my 6 year old enjoyed it too.



STEM Ambassador Rosalind Hart's son recommends

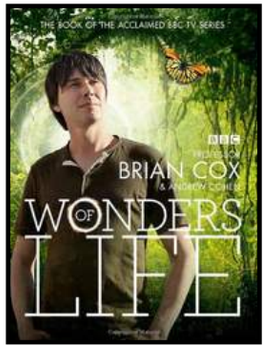
This book is jam packed full of everything ocean from fish, birds, sharks and giant squid: to underwater volcanoes, currents, fish farming and climate change. Brilliant diagrams and photos. My six year old picked this as his favourite science book but I think it would suit any age - I've learned a lot from it.



STEM Ambassador Susan Brittain recommends

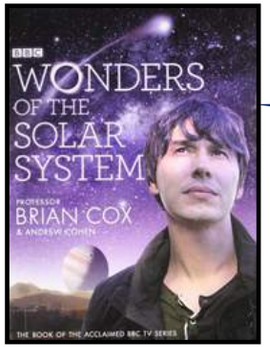
This is a very intriguing book with a wonderful and unique combination of botany and determined detective-work.

BOOKS RECOMMENDED BY STEM AMBASSADORS



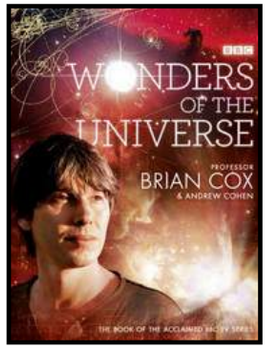
STEM Ambassador Mathew Long recommends

In this book Brian travels across the globe to see how creatures have evloved and adapted to suit their environment. He provides an in-depth look at the origin of life and the milestones organsims have gone through to evolve from a single celled organism to complex multicellular organisms.



STEM Ambassador Mathew Long recommends

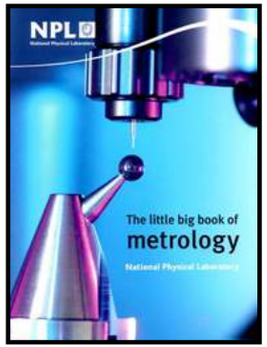
Brian is thorough in presenting our solar system, looking at each of our neighbouring planets and explaining the differences between them.



STEM Ambassador Mathew Long recommends

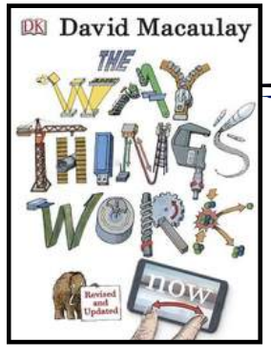
Brian is great at breaking down challenging scientific theory into laymans terms. In this book he goes beyond the solar system, through the timeline of the Universe from the big bang to present day. This is a great book for budding physicists and astronomers or anyone keen to learn more about the origins of the Universe.

BOOKS RECOMMENDED BY STEM AMBASSADORS



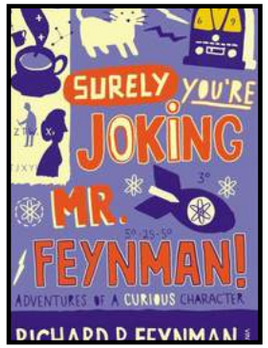
STEM Ambassador Julia Ramírez-González recommends

Discover the world of measurements by the hand of the National Physical Laboratory (NPL). This book is loaded with interesting pictures, funny cartoons and just the right amount of text. It will take you on a journey from the history of measurements, units of the international system and how they are used in different fields, from acoustics to nanotechnology.



STEM Ambassador Julia Ramírez-González recommends

This magnificently illustrated guide immerses you in the world of machines. It explains how hundreds of machine and devices work by laying out their underlying scientific principles. You will find how a lever is linked to a gran-piano, friction to car breaks, waves to photography and the binary code to microprocessors, among many more.



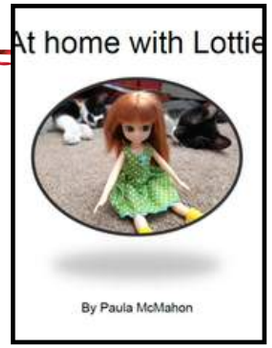
STEM Ambassador Tom Nicholls recommends

A series of anecdotes from the life of legendary Physicist Richard Feynman told in a distinctively light-hearted tone. The book covers his life from university, ventures into art and safe-cracking to his work on the Manhattan Project and gives a unique insight into the mind of one of the top scientists of the 20th Century

BOOKS RECOMMENDED BY STEM AMBASSADORS

STEM Ambassador Paula McMahon recommends

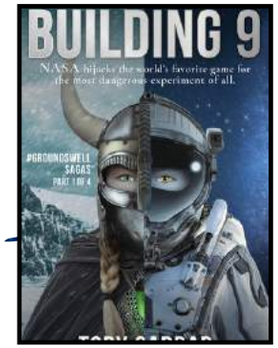
Read all about Lottie and her adventure with Paula the Engineer. Lottie get to go on all sorts of adventures with Engineers and Scientists as part of the WES Lottie Tour.



STEM Ambassador Paula McMahon recommends

Read about all the things Engineers do to make our lives easier. Lottie also gives you things to think about like what would you do it you were an engineer?

BOOKS RECOMMENDED BY TECHFEST'S GUESTS

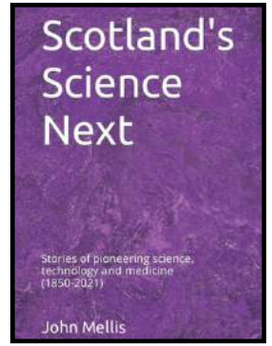


Scottish book author Toby Garrad recommends

Space travel is under threat and NASA hijacks the world's most popular game to lure a team of 14-year-olds - founders of Groundswell, an adolescent environmental movement - for the most dangerous experiment of all...

Dr John Mellis recommends

How did a small nation on the northwest fringe of Europe produce such an outpouring of scientific genius? From John Napier to James Watt, James Young Simpson to Joseph Lister, Mary Somerville to Lord Kelvin and James Clerk Maxwell, this book tells the stories of the pioneering scientists, engineers and medical doctors who drove Scotland's scientific awakening and enlightenment



Dr John Mellis recommends

The telephone, television, pneumatic tyres, penicillin, radar – these are just some of the inventions, discoveries, and developments where the fundamental contributions of Scottish scientists and technologists are well recognised. This book takes a comprehensive view of Scotland's science at home and abroad, and tells its stories in an engaging and highly readable way.

PODCASTS

The Curious Cases of Rutherford & Fry Podcast

Science sleuths Dr Adam Rutherford and Dr Hannah Fry investigate everyday mysteries sent by listeners.

The Infinite Monkey Cage podcast

Witty, irreverent look at the world through scientists' eyes. With Brian Cox and Robin Ince.

13 Minutes to the Moon

The epic stories of Nasa's missions to the Moon, Apollo 11 and Apollo 13.

No Such Thing as a Fish

Each week Dan, James, Anna and Andy discuss their favourite facts unearthed in the past seven days.

PODCASTS

StarTalk

StarTalk is a podcast on space, science, and popular culture hosted by astrophysicist Neil deGrasse Tyson, with various co-hosts and guests from the worlds of science and entertainment.

This Week in Microbiology

This podcast is for people who are interested in the life sciences. Episodes focus on viruses, microbes, parasites, evolution, and even urban agriculture.

Sci Tangents

Fun and interactive podcast about video games, music, weird smells, surprisingly deep insights about life, and of course, poop, but it always comes back to the science.

Brains On

Brains On! is an award-winning audio show for kids and families. Each week, a different kid co-host joins Molly Bloom to find answers to fascinating questions about the world.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