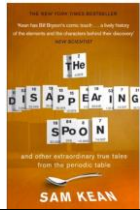
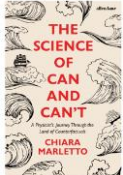
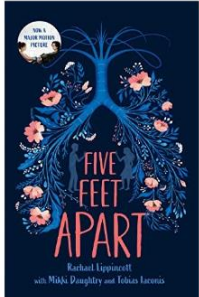
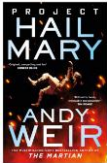
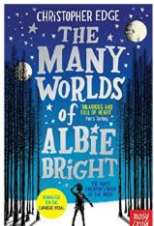
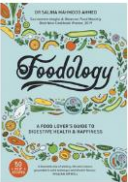
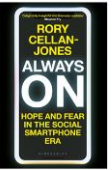
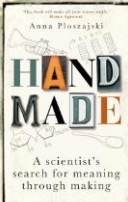


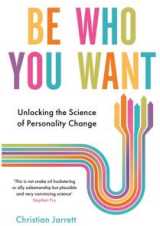
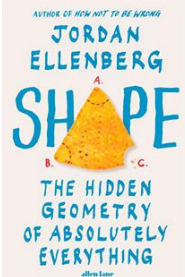
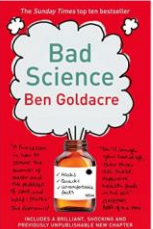
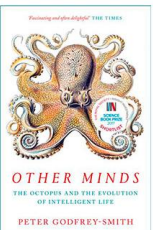
Science Reading List

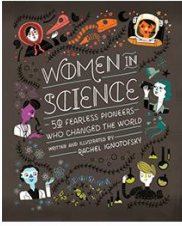
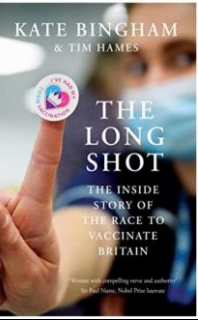
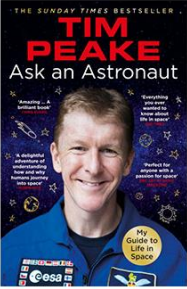
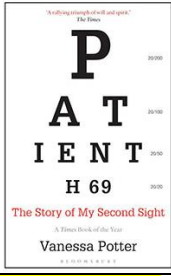
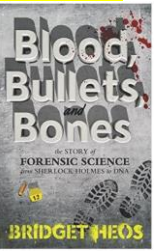
The book highlighted Yellow are available in the science library.

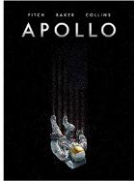
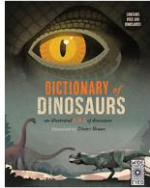
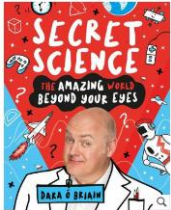
Title	Description	Author
The Joy of Science 	In Jim Al-Khalili's latest offering, <i>The Joy of Science</i>, we are presented with eight lessons in how to lead a more rational life and see things as they really are. It's an easily digestible, pocket-sized guide in how to think more scientifically, and how this can benefit us in everyday life. Looking at things objectively can help break down social constructs and pre-existing beliefs, and the ideas at the heart of scientific method are deeply relevant as we try to navigate the complicated times that we live in.	Jim Al-Khalili
Insectpedia: A Brief Compendium of Insect Lore 	With hand-drawn illustrations, anecdotes, and curious facts about some of the most fascinating bug species on the planet, this pocket-friendly encyclopaedia is a delightful and entertaining collection of insect lore and storied history of entomology. From murder hornets and jumping beans to mole crickets and zombie lady-beetles, <i>Insectpedia</i> has a charming blend of insect facts and mythology. It's presented in an A-Z format, making it easy to pick up and read for only a few seconds to learn something new. This is an ideal book if you like to start conversations with, "Hey, did you know..."	Eric. R. Eaton
Geopedia: A Brief Compendium of Geologic Curiosities 	Discover a treasure trove of bizarre and awe-inspiring geologic wonders that have captured our imagination over the millennia with <i>Geopedia: A Brief Compendium of Geologic Curiosities</i>. From areology (the study of the geology of Mars) to zircon (a mineral that can outlast almost all other materials on Earth), this is an engaging and entertaining lexicon on the diversity of rocks and our interactions with them.	Marcia Bjornerud
The disappearing spoon 	Explore the elements of the periodic table with this historical guide. Filled with stories of war, mythology, bombs, alchemy, love and more.	Sam Kean
The Science of Can and Can't: A Physicist's Journey Through the Land of Counterfactuals	Most laws of physics tell us what must happen. Throw a ball in the air and it will come back down. But physicist Chiara Marletto, a Research Fellow at the University of Oxford, says that laws like this only tell us part of the story. The rest, she says, lie in 'counterfactuals': things that <i>could</i> be. A notebook could be written in. There is no law of physics that tells us whether it will be – but we can't describe what it's for without talking about the possibility. Marletto believes that counterfactual properties like this could hold the key to solving some of the biggest problems in science, from the biology of life, to artificial intelligence, to climate change.	Chiara Marletto

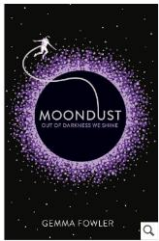
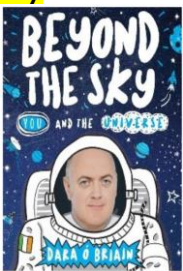
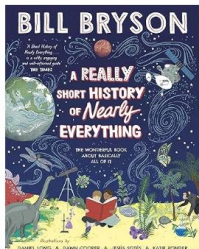
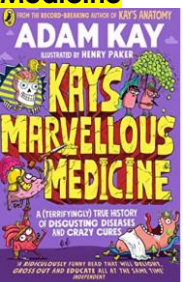
		
Five feet apart 	an you love someone you can never touch? Stella Grant likes to be in control - even though her totally out of control lungs have sent her in and out of the hospital most of her life. At this point, what Stella needs to control most is keeping herself away from anyone or anything that might pass along an infection and jeopardize the possibility of a lung transplant. Six feet apart. No exceptions. The only thing Will Newman wants to be in control of is getting out of this hospital. He couldn't care less about his treatments, or a fancy new clinical drug trial. Soon, he'll turn eighteen and then he'll be able to unplug all these machines and actually go see the world, not just its hospitals. Will's exactly what Stella needs to stay away from. If he so much as breathes on Stella she could lose her spot on the transplant list. Either one of them could die. The only way to stay alive is to stay apart. But suddenly six feet doesn't feel like safety. It feels like punishment. What if they could steal back just a little bit of the space their broken lungs have stolen from them? Would five feet apart really be so dangerous if it stops their hearts from breaking too?	Rachael Lippincott
Project Hail Mary 	An important memo to all fans of Andy Weir's debut novel <i>The Martian</i> (and the Hollywood adaptation): read <i>Project Hail Mary</i>. Now. While the premise of the new story sounds near identical to the author's earlier work – a lone man is forced to use his scientific cunning after he becomes stranded from Earth – the introduction of a mystery lifeforce, which we won't spoil here, blasts the plot in an unexpected direction. Significantly, the protagonist is no Mark Watney, the astronaut played by Matt Damon in <i>The Martian</i> movie, either. The main character is, well, he doesn't know what he is, waking from a coma next to two corpses, his memory banks empty. And if that's not enough to draw you in, we don't know what will.	Andy Weir
The many worlds of Albie Bright 	When Albie's mum dies, it's natural he should wonder where she's gone. His parents are both scientists and they usually have all the answers. Dad mutters something about Albie's mum being alive and with them in a parallel universe. So Albie finds a box, his mum's computer and a rotting banana, and sends himself through time and space to find her...	Christopher Edge
Foodology: A Food-lover's	<i>Foodology</i> is part recipe book, part science book, all food. Gastroenterologist and food writer Saliha Mahmood Ahmed takes us on a tour of the digestive system, from the very first	Saliha Mahmood Ahmed

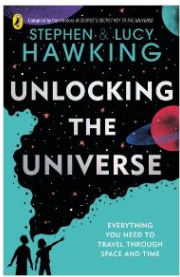
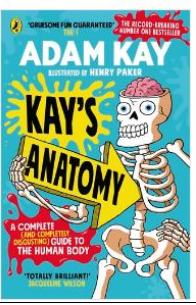
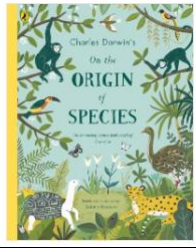
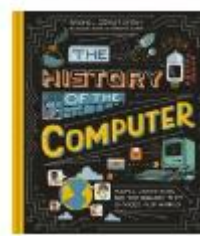
Guide to Digestive Health and Happiness 	bite to... the other end. On the way, she also dives into why food makes us so happy and how a delicious smell can make our mouths water. On top of all of this, of course, are 50 recipes designed not just to be delicious, but to support your gut health.	
Girl Code 	The teenage phenoms behind viral video game Tampon Run share the story of their experience at Girls Who Code and their rise to fame, plus a savvy look at starts-ups, women in tech, and the power of coding.	Andrea Gonzales
Always On: Hope and Fear in the Social Smartphone Era 	Wake up. Check social media. Send a 'good morning' text. Check the weather app. Check the news... From the moment our alarm apps go off in the morning to when we finally log off Instagram at night, our smartphones are always by our sides. On the one hand, we can connect with more people than ever before and we have unlimited access to information. But on the other, these devices are encroaching on every aspect of our lives, giving tech companies more access to and more control over everything about us. Either way, the smartphone has arguably changed our lives more than almost any tool ever invented. In <i>Always On</i>, Rory Cellan-Jones, the BBC's chief technology correspondent, explores whether this is cause for hope or fear.	Rory Cellan-Jones
Handmade: A Scientist's Search for Meaning through Making 	Scientists tend to think about materials in terms of quantities like their melting point, their density and how much pressure they can withstand. But humanity's earliest materials scientists didn't work in a lab measuring how much stress an object could withstand: they worked with their hands and made things. Anna Ploszajski, herself a materials scientist, goes back to these ancient roots to explore in a hands-on way. She learns from the trial-and-error wisdom of generations of experts in clay, sugar, steel, glass, paper and more.	Anna Ploszajski
Be Who You Want: Unlocking the Science of Personality Change	The promise of changing your personality to become who you aspire to be might sound like the domain of life coaches and unconvincing self-help books. But it turns out that such a thing is possible, says psychologist Dr Christian Jarrett. Using genuine science, Jarrett explains how you really can alter your personality to your liking, whether that's becoming more extroverted or conscientious, or even learning to use the 'Dark Triad' – narcissism, Machiavellianism, and psychopathy – to your advantage.	Christian Jarrett

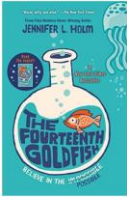
		
Does anything eat wasps 	Every year, readers send in thousands of questions to New Scientist magazine in the hope that the answers to them will be given in the 'Last Word' column. This title presents a collection of the best that have appeared, including: why can't we eat green potatoes; why do airliners suddenly plummet; and, does a compass work in space.	Mick O'Hare
Shape: The Hidden Geometry of Absolutely Everything 	Geometry is undoubtedly among most people's least favourite topics from school. Not only is it complicated, it often seems to have no value for the real world. When am I ever going to need to know how to draw an equilateral triangle using only a ruler and a pair of compasses? It turns out, though, that geometry really does have real-world uses. As Jordan Ellenberg explains in <i>Shape</i>, not only does geometry have uses in physics and artificial intelligence, it also pops up in finance, US politics and even poetry.	Jordan Ellenberg
Mysteries Of The Quantum Universe 	Billed as 'Tintin meets Brian Cox', this book performs the tricky task of making quantum physics accessible. Join Bob and his dog Rick on a journey through the world of the very small, talking atoms with Einstein and eating crêpes with Max Planck.	Thibault Damour & Mathieu Burniat
Bad Science 	Ben Goldacre's wise and witty bestseller, shortlisted for the Samuel Johnson Prize, lifts the lid on quack doctors, flaky statistics, scaremongering journalists and evil pharmaceutical corporations.	Ben Goldacre
Other Minds 	The octopus is essentially an alien species right here on Earth – a sentient being whose intelligence has evolved entirely independently from our own. Godfrey-Smith peers into the minds of these cephalopods, revealing what they can tell us about the nature of consciousness itself.	Peter Godfrey-Smith

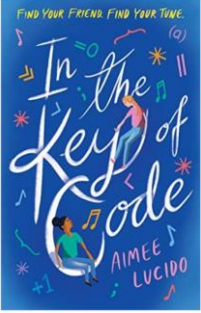
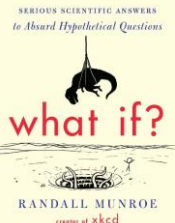
Women In Science 	Discover (or rediscover) the work of 50 trailblazing women in science in Ignotofsky's gorgeously illustrated book. Familiar names like Marie Curie and Ada Lovelace sit alongside lesser-known pioneers such as Maria Sibylla Merian, one of the first and more important entomologists.	Rachel Ignotofsky
The Long Shot 	Our business meets the highest standards of verified social and environmental performance, public transparency and legal accountability to balance profit and purpose. In short, we care about people and the planet.	Katie Bingham and Tim Hames
Ask An Astronaut 	Who better to describe life in space than someone who's walked the (space)walk? Tim pens answers to the public's burning questions, revealing what space smells like, how he enjoyed a cosmic cuppa, and what it felt like to return to Earth.	Tim Peake
Patient H69 	One day, Vanessa Potter started to lose her sight. Within three days, she was completely blind. Patient H69 documents her descent into darkness – and her subsequent recovery as, armed with scientific insight, she began to make sense of her unique condition.	Vanessa Potter
Blood bullets and bones 	Since the introduction of DNA testing, forensic science has been in the forefront of the public's imagination, thanks especially to popular television shows like CSI: Crime Scene Investigation. But forensic analysis has been practiced for thousands of years. Ancient Chinese detectives studied dead bodies for signs of foul play, and in Victorian England, officials used crime scene photography and criminal profiling to investigate the Jack the Ripper murders. In the intervening decades, forensic science has evolved to use the most cutting-edge, innovative techniques and technologies. In this book, acclaimed author Bridget Heos uses real-life cases to tell the history of modern forensic science, from the first test for arsenic poisoning to fingerprinting, firearm and blood spatter analysis, DNA evidence, and all the important milestones in between. By turns captivating and	Bridget Heos

	shocking, Blood, Bullets, and Bones demonstrates the essential role forensic science has played in our criminal justice system.	
Apollo 	Apollo tells the suspense-filled story of the first Moon landing in graphic novel form. It's well-researched and includes rich historical detail, tracking not only the mission itself, but the political tension around the programme and the nerve-racking experience shared by the crew's families.	Matt Fitch, Chris Baker, Mike Collins
Dictionary of Dinosaurs 	<i>This beautiful book, illustrated by Dieter Braun, details every dinosaur that's ever been discovered, from Aardonyx to Zuniceratops. It includes up-to-date facts from dinosaur experts about where these creatures lived, what they ate and when they roamed the planet.</i>	Matthew G Baron
Secret Science: The Amazing World Beyond Your Eyes 	he second hilarious book for curious kids from the UK and Ireland's best-loved comedian, Dara O Briain! So you think everyday life is boring?! WHAT?! Hoo-ee, are you wrong! No, seriously. There's so much EXTRAORDINARY science going on right from the minute you wake up to when you go to sleep. Actually, while you're asleep, too. Science is a non-stop EVERYWHERE, everything adventure with some incredibly cool stuff going on, too. You've got your incredible brain, which has worked out how to read these words and make playing a video game feel as EXCITING as real life; you've got aeroplanes that can somehow get from the ground into the sky with all those people AND their luggage on board; you've got electricity and artificial intelligence and GPS and buses coming in threes (that's science too) and LOADS more. In Secret Science, Dara O Briain takes you on a journey from the comfort of your favourite chair to the incredible science behind your everyday life and on into the future!	Dara O Brian
Every line of you 	Our business meets the highest standards of verified social and environmental performance, public transparency and legal accountability to balance profit and purpose. In short, we care about people and the planet.	Naomi Gibson

Moondust 	An out-of-this-world YA sci-fi adventure featuring a gut-wrenching romance and plenty of intergalactic thrills! 'The story itself is fantastic ... a fun, quick read which is highly entertaining' THE BOOKBAG 'an interesting, original and thought-provoking read.' READING ZONE A miracle energy source, Lumite, has been discovered on the moon. The dark days of future Earth - torn apart by war and energy crisis - finally appear to be over. Aggie is the violet-eyed poster girl for the mining company, Lunar Inc, persuaded to campaign for a hopeful new future. But a chance meeting with one of the prisoner-miners, the darkly attractive Danny, changes her mind about everything she knows about her world ... An edge-of-your-seat sci-fi thriller debut with strong female appeal. Gemma Fowler combines an authentic YA contemporary voice with high-concept but accessible science fiction. Explores themes involving the environment and energy, as well as teen issues such as friends, romance and challenging adult authority. Rights developed in association with Altitude Film with a view to the making of the movie.	Gemma Fowler
Beyond the sky 	UK and Ireland's best-loved comedian Dara O Briain takes you on a journey from the safety of your comfiest chair to the furthest reaches of space (and beyond!)	Dara O'Briain
A Really Short History of Nearly Everything 	Ever wondered how we got from nothing to something? Or thought about how we can weigh the earth? Or wanted to reach the edge of the universe? Uncover the mysteries of time, space and life on earth in this extraordinary book - a journey from the centre of the planet, to the dawn of the dinosaurs, and everything in between. And discover our own incredible journey, from single cell to civilisation, including the brilliant (and sometimes very bizarre) scientists who helped us find out the how and why.	Bill Bryson
Kay's Marvellous Medicine 	The olden days were pretty fun if you liked wearing chainmail or chopping people's heads off but there was one TINY LITTLE problem back then . . . doctors didn't have the slightest clue about how our bodies worked. It's time to find out why Ancient Egyptians thought the brain was just a useless load of old stuffing that might as well be chucked in the bin, why teachers forced their pupils to smoke cigarettes, why hairdressers would cut off their customers' legs, and why people used to get paid for farting. (Unfortunately that's no longer a thing - sorry.)	Adam kay
Unlocking the Universe	'Remember to look up at the stars and not down at your feet.' Discover the many wondrous secrets of the cosmos in	Stephen and Lucy

	this book by the late, world-renowned physicist Stephen Hawking and his daughter Lucy. <i>Unlocking the Universe</i> is filled with facts and essays about all things science, from the Big Bang and Einstein's theory of special relativity to the ethics of AI and climate change. Stephen and Lucy, along with a great many other experts, have put together this compendium of knowledge that is perfect for wannabe scientists.	Hawking
Rude Science 	Rude Science follows in the flatulent footsteps of <i>Fartology</i>, taking on those unmentionable body substances with which we're all so familiar, but rarely talk about in polite company. Stefan tackles eternal questions such as: • How much snot can a person produce in one day? • Why do men have nipples • What's ear wax for? • What is toe cheese? It's packed with weird and wonderful facts about our bodies and the disgusting gloops and gunks we ooze every single day. Reclaim your bodily functions with fun and scientific facts that will fascinate kids and adults alike.	Stefan Gates
Kay's Anatomy 	The human body is a fascinating, albeit sometimes weird and disgusting place. So, former doctor Adam Kay has created a fun and informative guide to our anatomy. You'll learn all sorts of odd and unexpected things such as, in your whole life, you will probably spend about a year in total on the toilet. Bogeys are safe to eat as a snack (although we wouldn't recommend it). And your lungs are the only organ in your body that can float! This book is perfect for those wanting a future career in the medical world. Or those who just love gross facts.	Adam Kay and Henry Parker
On the Origin of Species 	In 1859, naturalist and biologist <u>Charles Darwin</u> published his ground-breaking <i>On the Origin of Species</i> which changed everything everyone had ever thought about the creation of the world. And now, fellow biologist Sabina Radeva has retold Darwin's work in picture book form. Young readers will learn all about the theory of evolution, and the ways in which species form and change over time through Radeva's stunning illustrations.	Sabina Radeva
The history of the computer 	An illustrated overview of the computing machines that have changed our world. Talks about the abacus to the smartphone and everything in between.	Rachel Ignotofsky
The kid who came from space	The stunning new 10+ story from the bestselling and award-winning author of <i>TIME TRAVELLING WITH A HAMSTER</i>, for anyone who loved the humour of <i>WALL-E</i>, the action of <i>STAR</i>	Ross Welford

	WARS and the deeply touching emotion of ET.	
The fourteenth goldfish 	Galileo. Newton. Salk. Oppenheimer. Science can change the world . . . but can it go too far? Eleven-year-old Ellie has never liked change. She misses fifth grade. She misses her old best friend. She even misses her dearly departed goldfish. Then one day a strange boy shows up. He's bossy. He's cranky. And weirdly enough . . . he looks a lot like Ellie's grandfather, a scientist who's always been slightly obsessed with immortality. Could this gawky teenager really be Grandpa Melvin? Has he finally found the secret to eternal youth? With a lighthearted touch and plenty of humor, Jennifer Holm celebrates the wonder of science and explores fascinating questions about life and death, family and friendship, immortality . . . and possibility. Look for EXCLUSIVE NEW MATERIAL in the paperback—including Ellie's gallery of scientists and other STEM-appropriate features.	Jennifer L. Holm
The extraordinary life of Greta Thunberg 	Greta Thunberg is an activist best known for calling attention to the devastating effects of climate change on our planet. A bold voice even against people that want to silence her, Greta has become a source of inspiration for millions of people who want to work towards tackling the climate crisis. From taking part in school strikes and owning that her Asperger syndrome is her superpower, to crossing the Atlantic Ocean in a powerful stand against carbon emissions, this is the incredible story of a schoolgirl who is changing the world. This book has been produced with its environmental message in mind, including the treatment of the cover, the black-and-white interiors, and the FSC-certified paper.	Devika Jina
The thing about Jelly fish 	After her best friend dies in a drowning accident, Suzy is convinced that the true cause of the tragedy must have been a rare jellyfish sting--things don't just happen for no reason. Retreating into a silent world of imagination, she crafts a plan to prove her theory--even if it means traveling the globe, alone. Suzy's achingly heartfelt journey explores life, death, the astonishing wonder of the universe...and the potential for love and hope right next door. Oddlot Entertainment has acquired the screen rights to The Thing About Jellyfish, with Gigi Pritzker set to produce with Bruna Papandrea and Reese Witherspoon.	Ali Benjamin
In the key of code	An original, inventive and heart-warming novel from an exciting debut author about a lonely new girl and an unlikely	Aimee Lucido

	friendship formed in a school code club that will appeal to fans of Sarah Crossan. When twelve-year-old Emmy's musical family moves to California so her dad can take a job with the San Francisco Symphony Orchestra, Emmy has never felt more out of tune. But when she ends up in a school computer science club, she finds that she can understand code through a language she is familiar with: music. Slowly, Emmy makes friends with Abigail and the two girls start to discover their voices through the programming language of Java. Extraordinarily crafted, the novel begins to incorporate Java's syntax and concepts as Emmy, and ultimately the reader, learns to think in code. By the end, Emmy doesn't feel like a wrong note, but like a musician in the world's most beautiful symphony.	
What if? 	What If?: Serious Scientific Answers to Absurd Hypothetical Questions is a 2014 non-fiction book by Randall Munroe in which the author answers hypothetical science questions sent to him by readers of his webcomic	Randall Munroe