



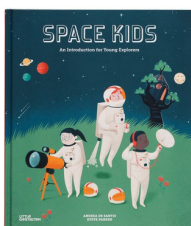
We Wonder: Mission to Mars

Primary longlist



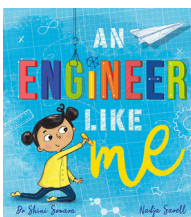
***We Are All Greta*, by Valentina Giannella, and Manuela Marazzi**

Greta Thunberg has directed the attention of adults and her peers alike to issues crucial to the future of the planet, and the heads of even the youngest children have been filled with questions. Global warming, greenhouse effect, fossil fuels- what do they all mean?



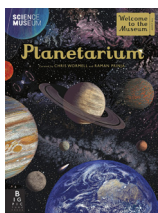
***Space Kids - An Introduction for Young Explorers*, by Steve Parker and Andrea De Santis**

Beautifully rendered illustrations spark curiosities and imaginations, while simple text creates a sense of wonder and fuels an appreciation for what it means to be a part of the universe's complex system; truly a must-have introduction for any budding young explorer.



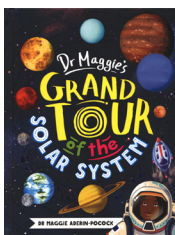
***An Engineer Like Me*, by Shini Somara and Nadja Sarell**

Zara is curious about everything! Travelling around the city with her gran, she sees all kinds of fascinating things. Inventive illustrations and an empowering story combine to introduce young readers to the world of engineering, creative thinking and problem-solving.



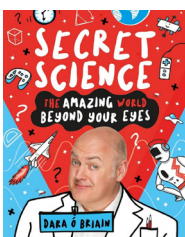
***Planetarium*, by Raman Prinja and Chris Wormell**

Step inside the pages of this beautiful book to discover galleries of galactic matter, expertly curated to bring you the experience of a fascinating exhibition from the comfort of your own home.



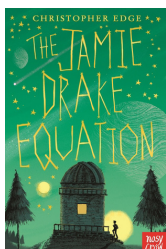
***Dr Maggie's Grand Tour of the Solar System*, by Maggie Aderin-Pocock, and Chelen Ecija**

This mind-blowing book invites readers to join BBC presenter and renowned space scientist Dr Maggie Aderin-Pocock (MBE) on an epic journey through the Solar System, travelling to places where no human has been before.



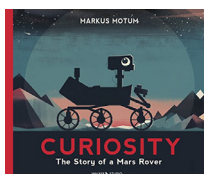
***Secret Science: The Amazing World Beyond Your Eyes*, by Dara Ó Briain (with Sally Morgan)**

So you think everyday life is boring?! WHAT?! Hoo-ee, are you wrong! There's so much EXTRAORDINARY science going on right from the minute you wake up to when you go to sleep. In *Secret Science*, Dara Ó 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!



The Jamie Drake Equation, by Christopher Edge

A compelling sci-fi story about a boy called Jamie whose father is an astronaut. While his father is completing important work aboard the International Space Station, Jamie is left figuring out life at home and one day he stumbles across clues to alien lifeforms for himself. This story is packed with real space science in a way that is accessible to children.



Curiosity: The Story of a Mars Rover, by Markus Motum

A stylishly illustrated non-fiction book about the search for life on Mars, told from the unique perspective of NASA's Mars rover, Curiosity. Discover the incredible story of the search for life on Mars, told from the unique perspective of Curiosity, the Mars Rover sent to explore the red planet.



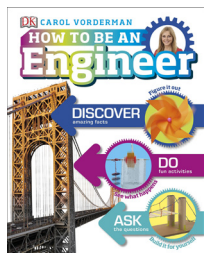
George's Secret Key to the Universe, by Lucy and Stephen Hawking

George's pet pig breaks through the fence into the garden next door, introducing him to his new neighbours: the scientist, Eric, his daughter, Annie, and a super-intelligent computer called Cosmos. And from that moment George's life will never be the same again, for Cosmos can open a portal to any point in outer space...



How to be an Astronaut and Other Space Jobs, by Dr Sheila Kanani, illustrated by Sol Linero

Do you have what it takes to become an astronaut, a spaceship engineer or to work in Mission Control? Find out all about space and all the incredible space jobs you could do, from training to be a space chef or designing spacesuits to searching for new planets we could live on, or even blasting into space and living in the International Space Station.



How to be an Engineer, by Carol Vorderman

Find out how engineers use STEM subjects and their imaginations to fix problems, and take inspiration from engineering heroes. This book encourages you to investigate, with amazing projects using things from around your home: find out about materials by crushing loo rolls, learn about jet propulsion with balloons, and build a robot arm from rulers.



Fantastically Great Women Who Saved the Planet by Kate Pankhurst

From bestselling author and illustrator Kate Pankhurst, descendent of Emmeline Pankhurst, comes another 'smart, informative, inclusive and accessible' book about trail-blazing women (Fiona Noble, The Bookseller). This time, it's women who have been making decisions that have helped protect our natural world from way before it was on a political agenda.



We Wonder: Mission to Mars

Secondary longlist



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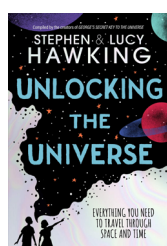
***Where Once We Stood: Stories of Apollo Astronauts Who Walked on the Moon*, by Christopher Riley and Martin Impey**

Combining unique illustrations with the words spoken by the astronauts on the lunar surface, this book offers a rare insight into what it really felt like to live and work on another world; something that those who'd experienced it often found hard to convey.



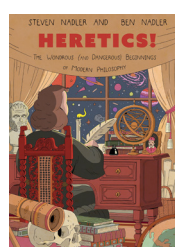
***From Mud Huts to Skyscrapers: Architecture for Children*, by Christine Paxmann and Anne Ibelings**

Children will be utterly absorbed by this journey through the history of architecture, from the earliest mud huts to today's soaring towers. Chronologically arranged, this large-format book gives each iconic building its own double-page spread featuring an exquisite watercolour illustration and clearly written descriptions, facts, and features.



***Unlocking the Universe*, by Stephen and Lucy Hawking**

What would it have been like to walk the lava-filled earth four and a half billion years ago? Or take your first step on the surface of the moon? And what would you do if robots took over the world? Together Lucy and Stephen have collected an incredible wealth of information about everything from life on Mars to the secrets of black holes.



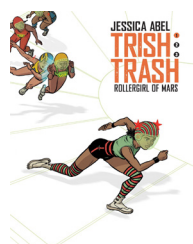
***Heretics! The Wondrous (and Dangerous) Beginnings of Modern Philosophy*, by Steven Nadler and Ben Nadler**

This entertaining and enlightening graphic narrative tells the exciting story of the 17th century thinkers who challenged authority, sometimes risking excommunication, prison, and even death, to lay the foundations of modern philosophy and science and help usher in a new world.



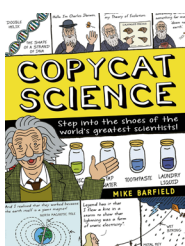
Challenge Everything, by Blue Sandford

A manifesto to show young people how to save the planet by questioning modern life. This book asks you to challenge everything - challenge government (protest and take peaceful action where necessary), challenge business (decide who you want to support, decide who you want to boycott), and above all to challenge yourself - how can you change your life to make a difference.



Trish Trash: Rollergirl of Mars by Jessica Abel

Two centuries from now, Trish "Trash" Nupindju lives on the newly inhabited Mars, whose settlers live under harsh and ruthless conditions. Trish dreams of only one thing: becoming a hover-derby star. But, what happens when a half-dead Martian shows up on her doorstep and changes everything?



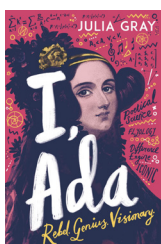
Copycat Science, by Mike Barfield

Science is entertaining... science is funny... science is downright ridiculous! Explore the wacky world of STEM in this comic book of exciting experiments. Discover STEM topics through the lives of over 40 scientists and their amazing discoveries.



Hidden Figures: the untold story of the African American women who helped win the space race, by Margot Lee Shetterly

Set amid the civil rights movement, the true story of NASA's African-American female mathematicians who played a crucial role in America's space program. Before Neil Armstrong walked on the moon, a group of professionals worked as 'Human Computers', calculating the flight paths that would enable these historic achievements. Among these were a coterie of bright, talented African-American women.



I, Ada, by Julia Gray

Ada Byron is rich and clever, but she longs to be free. Then she meets a man whose invention might just change the world - and he needs her visionary brilliance to bring it to life. A wonderfully witty and poignant portrayal of the young life of Ada Lovelace, the 19th-century mathematician who is hailed as the world's first computer programmer.



Katherine Johnson, by Leila Rasheed

Born in the USA, at a time when racial segregation was considered perfectly acceptable and women were often treated as intellectually inferior, Katherine had to fight for every bit of recognition she got. But hers was a discreet battle and one in which she relied on her talent and hard work to get to the top.