

Year	Title	Author	What to Read, View or Listen to..	Link
Y11-13	Sustainable Energy – Without the Hot Air	David J.C. MacKay	Book	https://www.amazon.co.uk/Sustainable-Energy-Without-Hot-Air/dp/0954452933/ref=sr_1_1?dchild=1&keywords=sustainable+energy+without+the+hot+air&qid=1633838433&s=books&sr=1-1
Y11-13	How Do Wings Work? (not a book but a paper free to download)	Holger Babinsky	Paper	https://iopscience.iop.org/article/10.1088/0031-9120/38/6/001
Y11-13	Sustainable Materials – With Both Eyes Open (a free download using the link provided)	Julian Allwood and Jonathan Cullen	Book	https://www.uselessgroup.org/publications/book/chapters
Y11-13	Engineering in Society	Rob Lawlor	Book	http://www.raeng.org.uk/publications/reports/engineering-in-society
Y11-13	Engineering: A Beginner's Guide	Natasha McCarthy	Book	https://www.amazon.co.uk/Engineering-Beginners-Guide-Guides-ebook/dp/B07ZWMFYST/ref=tmm_kin_swatch_0?encoding=UTF8&qid=1633838789&sr=8-1
Y11-13	The New Science of Strong Materials – or Why You Don't Fall Through the Floor	JE Gordon	Book	https://www.amazon.co.uk/New-Science-Strong-Materials-Through-ebook/dp/B002R18ZSW/ref=tmm_kin_swatch_0?encoding=UTF8&qid=1633838834&sr=8-1
Y11-13	Structures – or Why Things Don't Fall Down	JE Gordon	Book	https://www.amazon.co.uk/gp/product/B002XHNNHU/ref=dbs_a_def_rwt_hsch_vapi_tkin_p1_i0
Y11-13	Cats' Paws and Catapults: Mechanical Worlds of Nature and People	Stevell Vogel	Book	https://www.amazon.co.uk/Cats-Paws-Catapults-Mechanical-Worlds/dp/0393319903/ref=sr_1_1?dchild=1&keywords=cats+paws+and+catapults&qid=1633838934&s=digital-text&sr=1-1
Y11-13	The Gecko's Foot: How Scientists are Taking a Leaf from Nature's Book	Peter Forbes	Book	https://www.amazon.co.uk/Geckos-Foot-Scientists-Taking-Natures/dp/0007179898/ref=sr_1_1?dchild=1&keywords=the+geckos+foot&qid=1633839004&sr=8-1
Y11-13	What Engineers Know and How They Know It: Analytical Studies from Aeronautical History	WG Vincenti	Book	https://www.amazon.co.uk/What-Engineers-Know-How-They/dp/0801845882/ref=sr_1_1?dchild=1&keywords=what+engineers+know+and+how+they+know+it&qid=1633839043&sr=8-1

Y11-13	Flying Buttresses, Entropy and O-Rings: The World of an Engineer	James L Adams	Book	https://www.amazon.co.uk/Flying-Buttresses-Entropy-Rings-Engineer/dp/0674306899/ref=sr_1_1?dchild=1&keywords=Flying+Buttresses%2C+Entropy+and+O-Rings%3A+The+World+of+an+Engineer&qid=1633839092&sr=8-1
Y11-13	Bebop to the Boolean Boogie: An Unconventional Guide to Electronics	Clive Maxfield	Book	https://www.amazon.co.uk/Bebop-Boolean-Boogie-Unconventional-Electronics-ebook/dp/B002ZJSW4U/ref=tmm_kin_swatch_0?encoding=UTF8&qid=1633839128&sr=8-1
Y11-13	Invention by Design – How Engineers get from Thought to Thing	Henry Petroski	Book	https://www.amazon.co.uk/Invention-Design-Engineers-Thought-Thing-ebook/dp/B0965P5KGP/ref=tmm_kin_swatch_0?encoding=UTF8&qid=1633839175&sr=8-1
Y11-13	To Engineer is Human: The Role of Failure in Successful Design	Henry Petroski	Book	https://www.amazon.co.uk/Engineer-Human-Failure-Successful-Design-ebook/dp/B07HM7NP5R/ref=tmm_kin_swatch_0?encoding=UTF8&qid=1633839209&sr=8-1