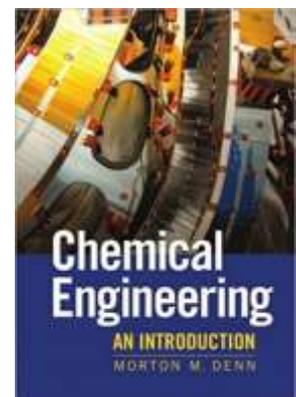
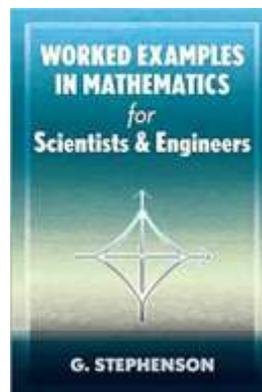
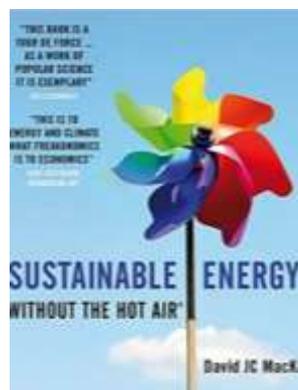
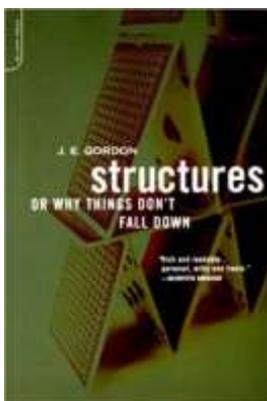
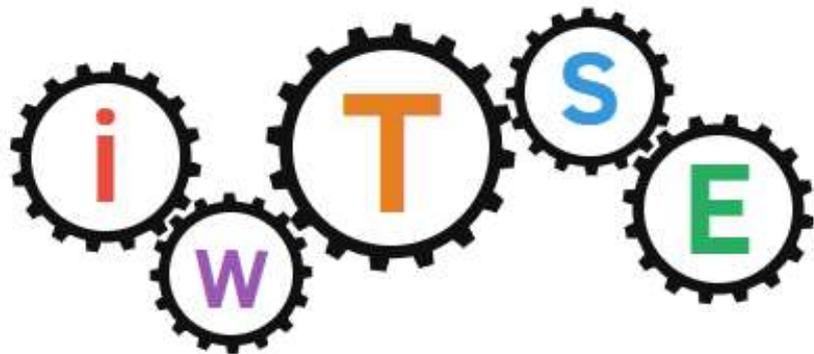
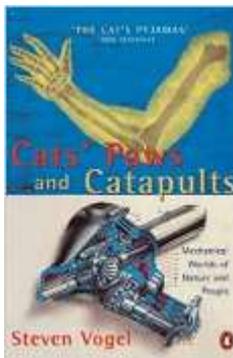




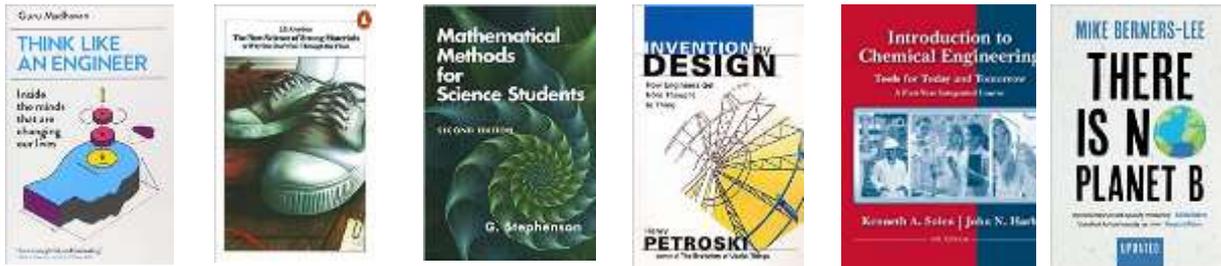
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Do not forget to keep a diary/journal of your insights in what you read, see and do.

Reading



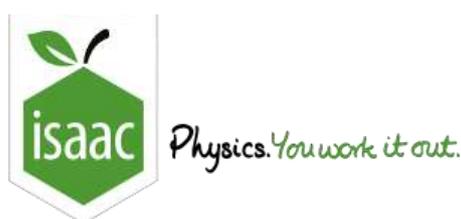
Cats' Paws and Catapults: Mechanical Worlds of Nature and People, S. Vogel	978-0393319903
Think Like An Engineer: Inside the Minds that are Changing our Lives	978-1780748641
Structures: Or Why Things Don't Fall Down, J.E. Gordon	978-0306812835
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Engineering: A Very Short Introduction, D. Blockley	978-0199578696
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Introduction to Chemical Engineering: Tools for Today and Tomorrow, K.A. Solan and J.N. Harb	978-0470885727
Chemical Engineering: An Introduction, M.M. Denn	978-1107669376
Engineering: A Beginner's Guide, N. McCarthy	978-1851686629
The Gecko's Foot: How Scientists are Taking a Leaf from Nature's Book, P. Forbes	978-0007179893
Flying Buttresses, Entropy, and O-Rings: The World of an Engineer, J.L. Adams	978-0674306899
Understanding Flight, D. Anderson and S. Eberhardt	978-0071363778
Simple Science of Flight: From Insects to Jumbo Jets, H. Tennekes	978-0262513135
The Science of Formula 1 Design, D. Tremayne	978-1844257188
Why Buildings Fall Down: Why Structures Fail, M. Salvadori, M. Levy, K. Woest	978-0393311525
Why Buildings Stand Up: The Strength of Architecture: Strength of Architecture from the Pyramids to the Skyscraper, M. Salvadori	978-0393306767
Bebop to the Boolean Boogie: An Unconventional Guide to Electronics, C. Maxfield	978-1856175074

Listening and viewing

BBC Radio 4 – In Our Time, Science	https://www.bbc.co.uk/programmes/p01gyd7j
Example Cambridge Engineering Interview	https://www.youtube.com/watch?v=f3IYdO0XYL4&t=219s
Oxford Engineering Science Taster Lecture	https://www.youtube.com/watch?v=P7pc4OKAVIA
Engineering Podcasts	https://eandt.theiet.org/content/articles/2017/01/listen-and-learn-7-great-podcasts-for-young-engineers/
Engineering Podcasts	https://www.bornctoengineer.com/resources/top-engineering-podcasts-stem-podcast-list-top
TED Talks	https://www.ted.com/topics/engineering
YouTube	https://www.youtube.com/results?search_query=engineering+degrees

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BAE Systems	@BAESystemspic
Lockheed Martin	@LockheedMartin
Engineering UK	@_EngineeringUK
Chemical Engineering Magazine	@ChemEngMag
Chemistry Engineering	@EngChemi



Resources

Chemical and Process Engineering Articles	http://www.cheresources.com/content/articles/
Oxford Sparks: Bringing Science to Life	https://www.oxfordsparks.ox.ac.uk/
iWantToStudyEngineering	https://i-want-to-study-engineering.org/
Isaac Physics	https://isaacphysics.org/
Project Drawdown	https://www.drawdown.org/

Explore NASA STEM	https://www.nasa.gov/stem
Engineering Resources	https://www.engineering.com/home
F1 in Schools	https://www.f1inschools.co.uk/
Greenpower Education Trust	https://www.greenpower.co.uk/
Interactive Problem Solving	https://brilliant.org/
Royal Academy of Engineering	https://www.raeng.org.uk/
Tomorrow's Engineers	https://www.tomorrowsengineers.org.uk/
engNRICH	https://nrich.maths.org/6466
whynotchemeng	https://www.icheme.org/education/whynotchemeng/
New Scientist	https://www.newscientist.com/
Institution of Mechanical Engineers	https://www.imeche.org/careers-education/careers-information/mechanical-engineering-careers-guide/find-a-work-placement-work-experience-or-internship



Doing

Learn Python3	https://www.codecademy.com/learn/learn-python-3
Python For beginners	https://www.python.org/about/gettingstarted/
EDT	https://www.etrust.org.uk/edt-programmes
Arkwright Engineering Scholarships	https://www.arkwright.org.uk/
Python Challenges	https://www.chch.ox.ac.uk/admissions/python-challenges-page
UK Mathematics Trust	https://www.ukmt.org.uk/
National Science and Engineering in the UK	https://www.nsew.org.uk/science-competitions-in-the-uk.html
Competitions	https://www.borntoengineer.com/resources/engineering-competitions
The Science Museum (London)	https://www.sciencemuseum.org.uk/see-and-do/engineer-your-future
The Science and Industry Museum (Manchester)	https://www.scienceandindustrymuseum.org.uk/