

Pre-college or university civil engineering reading list

Useful titles to read for knowledge and enjoyment.



The below are just a selection of interesting and not-too-technical reads for the budding civil engineer – there are plenty more out there. If there is a particular aspect of civil engineering that interests you, like green energy or building complex structures then it's a great idea to research online and see what you can find.

Some of the below titles are available as e-books as well as printed titles.

Civil Engineering: A Very Short Introduction

By David Muir Wood

ISBN: 9780199578634

Engineering: A Very Short Introduction

By David Blockley

ISBN: 9780199578696

Science and the City

by Laurie Winkless

ISBN: 9781472913227

Engineering in Society

An e-book published by the Royal Academy of Engineering that is available as a free (pdf) download from the RAEng website.

<http://www.raeng.org.uk/publications/reports/engineering-in-society>

Think Like An Engineer

by Guru Madhavan

ISBN: 1780746377

The New Science of Strong Materials – or Why You Don't Fall Through the Floor

by J.E. Gordon

ISBN: 0140135979

Structures – or Why Things Don't Fall Down

by J.E. Gordon

ISBN: 0306812835

Invention by Design – How Engineers get from Thought to Thing

by Henry Petroski

ISBN: 0674463684

Why Buildings Fall Down

by Matthys Levy and Mario Salvadori

ISBN: 039331152X

Why Buildings Stand Up

by Mario Salvadori

ISBN: 0393306763

Collapse: Why Buildings Fall Down

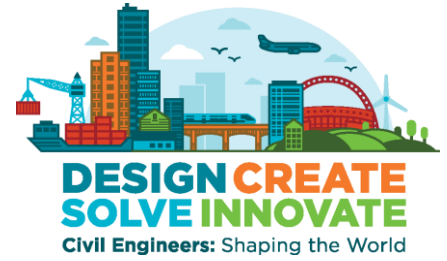
by S Wearne

ISBN: 9781575001449

Sustainable Energy – Without the Hot Air

by David J.C. MacKay

ISBN: 0954452933



Our vision

Civil engineers at the heart of society, delivering sustainable development through knowledge, skills and professional expertise.

Core purpose

- To develop and qualify professionals engaged in civil engineering
- To exchange knowledge and best practice for the creation of a sustainable and built environment
- To promote our contribution to society worldwide

Institution of Civil Engineers
One Great George Street
Westminster
London SW1P 3AA

t +44 (0)20 7222 7722
f +44(0)20 7222 7500
ice.org.uk

Civil Engineers: Shaping the World

Design Create Solve Innovate is a supporting brand of the Institution of Civil Engineers.
Registered charity number 210252. Charity registered in Scotland number SC038629.

ice
Institution of Civil Engineers