

# Technology KS4 & 5 Reading List

<b>GCSE and A Level - Product Choice/Material Choice/Design Process</b>			
The Measure of Man and Woman: Human Factors in Design	Alvin R. Tilley	John Wiley & Sons; Revised Edition edition (13 Feb 2002)	ISBN: 0471099554
<i>Invention by Design - How Engineers get from Thought to Thing</i>	Henry Petroski	Harvard University Press, 1998	ISBN 0674463684
<i>Small Things Considered: Why there is No Perfect Design</i>	Henry Petroski	Random House, 2004	ISBN 1400032938
Product Design (Portfolio)	Paul Rodgers	Laurence King (1 Aug 2011)	1856697517
Material Innovation: Product Design	Andrew H. Dent	Thames and Hudson Ltd (12 May 2014)	0500291292
Process: 50 Product Designs from Concept to Manufacture	Jennifer Hudson	Laurence King; 2 edition (25 April 2011)	1856697258

<b>General books regarding Engineering</b>			
<i>Engineering in Society</i>	Rob Lawlor	Royal Academy of Engineering, 2013	<i>Free download</i>
<i>Engineering: A Beginner's Guide</i>	Natasha McCarthy	Oneworld Publications, 2009	ISBN 1851686622
<i>The New Science of Strong Materials - or Why You Don't Fall Through the Floor</i>	J.E. Gordon	Penguin, 1991	ISBN 0140135979
<i>Structures - or Why Things Don't Fall Down</i>	J.E. Gordon	DaCapo Press, 2003	ISBN 0306812835
<i>Cats' Paws and Catapults: Mechanical Worlds of Nature and People</i>	Steven Vogel	W.W. Norton & Co., 2000	ISBN 0393319903
<i>What Engineers Know and How They Know It: Analytical Studies from Aeronautical History</i>	W.G. Vincenti	Johns Hopkins University Press, 1993	ISBN 0801845882
<i>To Engineer is Human: The Role of Failure in Successful Design</i>	Henry Petroski	Vintage Books, 1992	ISBN 0679734163
<i>Remaking the World</i>	Henry Petroski	Vintage Books, 1999	ISBN 0375700242
<i>Pushing the Limits: New Adventures in Engineering</i>	Henry Petroski	Vintage Books, 2005	ISBN 1400032946
<i>Why Buildings Fall Down</i>	Matthys Levy and Mario Salvadori	W.W. Norton & Company Ltd., 1994	ISBN 039331152X
<i>Why Buildings Stand Up</i>	Mario Salvadori	W.W. Norton & Company Ltd., 1991	ISBN 0393306763
<i>Made to Measure: New Materials for the 21st Century</i>	Philip Ball	Princeton University Press, 1999	ISBN 0691009759
<i>How Things Work - The Physics of Everyday Life</i>	Louis A. Bloomfield	John Wiley & Sons, 2009	ISBN 0470223995



<i>Advanced Design and Technology</i>	Eddie Norman, Joyce Cubitt, Syd Urry and Mike Whittaker	Longman Group Ltd., 2000	ISBN 0582328314
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Magazines/Online

<i>Make magazine</i>	<a href="http://makezine.com">http://makezine.com</a>	
<i>Icon - International Design , Architecture and Culture</i>		
<i>BBC Focus</i>	<a href="http://sciencefocus.com">http://sciencefocus.com</a>	
<i>Design Week</i>	<a href="http://www.designweek.co.uk">http://www.designweek.co.uk</a>	
<i>Creative review</i>	<a href="http://www.creativereview.co.uk">http://www.creativereview.co.uk</a>	





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