

## Art and DT: Suggested reading lists

<b>Year 7 and 8</b>			
<i>Why Things Break: Understanding the World by the Way It Comes Apart</i>	Mark E. Eberhart	Three Rivers Press, 2005	ISBN 1400048834
Drawing for Product Designers (Portfolio Skills)	Kevin Henry	Laurence King Publishing (21 Mar 2014)	
Product Design Sketches	Cristian Campos	Booqs; Mul edition (7 Jun 2012)	946065066X
Make: Electronics: Learning Through Discovery	Charles Platt	Maker Media, Inc; 1 edition (20 Dec 2009)	0596153740

<b>Year 9:</b>			
<i>The Essential Engineer: Why Science Alone Will Not Solve Our Global Problems</i>	Henry Petroski	Knopf Publishing Group, 2010	ISBN 0307272451
<i>Sustainable Materials – With Both Eyes Open</i>	Julian Allwood and Jonathan Cullen	UIT Cambridge Ltd., 2012	ISBN 190686005X
Inclusive Designing: Joining Usability, Accessibility, and Inclusion	P. M langdon	Springer; Softcover reprint of the original 1st ed. 2014 edition	3319357387
<i>Sustainable Energy – Without the Hot Air</i>	David J.C. MacKay	UIT, 2008.	ISBN 0954452933
Make: Technology on Your Time Volume 39: Robotic Me	Mark Frauenfelder	Maker Media, Inc; 1 edition (7 Jun 2014)	145718382X

<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:</i>	Steven Vogel	W.W. Norton & Co., 2000	ISBN 0393319903

<i>Mechanical Worlds of Nature and People</i>			
<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

#### 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>	

<b>Art and Design Books</b>		
'How art works'	Sarah Hill	
Ways of Seeing	John Berger	
Catching the Big Fish: Meditation, Consciousness, and Creativity	David Lynch	
Art & Fear: Observations on the Perils (and Rewards) of Artmaking	David Bayles & Ted Orland	