

ENGINEERING TOPICS
2016

TOPIC	SUB-TOPIC/NOTES	TITLE (SERIES)	CALL NUMBER	©
AEROSPACE ENGINEERING		Aerospace engineering and the principles of flight (Engineering in action)	629.1 ROO	©2013
		Amazing feats of aerospace engineering (Great achievements in engineering)	629.1 SMI (2c)	©2015
AUDIO ENGINEERING		Audio engineering and the science of sound waves	620.2 ROO	©2014
BIOLOGICAL ENGINEERING		Amazing feats of biological engineering (Great achievements in engineering)	660.6 ABR (2c)	©2015
BUILDINGS	History: DVD	Roman city	DVD 711.409 ROM	©1994
	Green	Green (Living green) buildings	720.47 GRE	©2009
	Design	Building for tomorrow (facing the future)	690 BAR	©1993
	History	Construction: building the impossible (Innovators)	624.092 AAS	©2000
	History	How they built long ago	690 FAG	©1981
	Math	Building math (math alive)	510 PER	©2009
	Various	The world's greatest buildings: masterpieces of architecture & engineering	720.9 GUI	©2000
	Various	Amazing buildings	720 WIL	©1993
	Various	Buildings and structures (Facts at your fingertips)	690 BUI	©2012
	Various	Draw 50 buildings and other structures	743 AME	©1980
	Various	What's inside buildings (What's inside)	690 PAR	©1995
	Various	Building (Eyewitness)	690 WIL	©1995
	Various	Wonders of the world (Kingfisher knowledge)	930.1 STE	©2007
BUILDINGS (FAMOUS)	DVD	Engineering ground zero	DVD 624.17 ENG	©2011
	DVD	10 buildings that changed America	DVD 720.973 TEN	©2013
		Historic buildings	973 TAI	©2010
		The CN Tower (Building world landmarks)	725.23 GRE	©2004
		The Empire State Building (Building America then and now)	974.71 REI	©2009
		Empire State Building (Wonders of the world)	974.7 MAN	©2003
		The Guggenheim Museum (Building world landmarks)	727.6 BAR	©2004
		Taj Mahal (Ancient wonders of the world)	726.809 SHO	©2006
		The Palace of Versailles (Building history)	944.366 BAR	©1999
		Parthenon (Virtual field trips)	726.12 DEM	©2012
	The Parthenon of ancient Greece (building history)	726.12 NAR	©1999	

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		The Parthenon of ancient Greece (History's great structures)	726.12 NAR	©2013
		The Parthenon (great building feats)	726.12 DUT	©2003
		Eiffel Tower (Modern wonders of the world)	725.97 LEB	©2007
		Eiffel Tower (Building world landmarks)	725.97 GRE	©2004
		Christopher Wren and St. Paul's Cathedral (Cambridge topic book)	726.609 GRA	©1982
	Origami	Origami architecture papercraft models of the world's most famous building	736.982 YEE	©2011
CAREERS				
	Engineering	Careers in engineering (Exploring careers)	620.002 SZU	©2015
	Food	Food engineering: from concept to consumer (Calling all innovators)	664 BUR	©2016
	STEM	Top STEM careers in engineering (Cutting-edge STEM careers)	620.002 HAG	©2015
	Women	Women in engineering (Major women in science)	620.009 IND	©2014
	Engineering	Engineering (Inside the industry)	620.002 HAM	©2011
	Info.-tech.	Careers in information technology (Exploring careers)	004.023 WIL	©2015
	Info.-tech.	Career ideas for teens in information technology	004.203 REE	©2012
	Info.-tech.	Careers creating search engines (Cutting edge careers)	025.04 LEV	©2007
	Construction	Construction careers (In the workplace)	690.023 SEN	©2011
	Electricity	A career as an electrician (Essential careers)	621.319 HAR	©2011
	Railroads	High-speed trains: from concept to consumer (Calling all innovators)	385.37 OTF	©2016
	Robotics	Careers in robotics (Cutting-edge careers)	629.892 KUP	©2007
CATHEDRALS				
		Churches and cathedrals: 1700 years of sacred architecture	726.5 CHU	©2009
		The cathedral builders (Peoples of the past)	726.6 PER	©1992
CHEMICAL ENGINEERING				
		Chemical engineering and chain reactions (Engineering in action)	660 SNE	©2014
CIVIL ENGINEERING				
	Internet Code	Construction Q & A (Science discovery)	690 CRA	©2014
		Civil engineering and the science of structures (Engineering in action)	624 SOL	©2013
		Amazing feats of civil engineering (Great achievements in engineering)	624 CAR (2c)	©2015
		Construction (STEM everyday)	690 ROB	©2014
		Construction: the way things are built	624.09 HAW	©1990
		Construction: building the impossible (innovators)	624.092 AAS	©2000
	History	The building of Manhattan	690 MAC	©1987

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ELECTRICAL ENGINEERING		Amazing feats of electrical engineering (Great achievements in engineering)	621.3 SWA (2c)	© 2015
		Electrical engineering and the science of circuits (Engineering in action)	621.3 BOW	©2013
ENGINEERING (HISTORY)		Oracle bones, stars, and wheelbarrows: ancient Chinese science and technology	508.31 ROC	©1982
		Science in ancient China (A first book)	509.51 BES	©1988
		Science in ancient Egypt (A first book)	509.32 WOO	©1988
		Science in ancient Greece (A first book)	509.38 GAY	©1988
		Ancient science (Science highlights)	509.01 SAN	©2011
		The buildings of ancient Rome	913.376 LEA C1	©1969
		Ancient construction: from tents to towers (Ancient technology)	690.093 WOO	©2000
	ENVIRONMENTAL ENGINEERING		Environmental engineering and the science of sustainability (Engineering...)	628 SNE
		Amazing feats of environmental engineering (Great achievements...)	628 HAN (2c)	©2015
HYDRAULIC ENGINEERING		Dams and waterways (Frameworks) Chapter 6	627 PHI	© 2009
MECHANICAL ENGINEERING				
		Mechanical engineering and simple machines (Engineering in action)	621 SNE	©2013
		Amazing feats of mechanical engineering (Great achievements in ...)	628 HAN (2c)	©2015
MEDICAL ENGINEERING	Biomedical	Bionics (Cool science)	617.9 JAN	©2007
	Biomedical	Amazing feats of biological engineering (Great achievements in engineering)	660.6 ABR (2c)	©2015
	Genetics	Scientifically engineered foods: the debate over what's on your plate	631.5 COB	©2000
	Genetics	Genetic engineering: progress or peril? (Pro/con)	575.1 TAG	©1997
	Genetics	Genetic engineering (21st century issues)	660.65 DOW	©2005
	Genetics	Genetic engineering (Cool science)	660.65 FRI	©2006
	Genetics	Genetic engineering (World issues)	576.5 PAR	©2002
OPTICAL ENGINEERING		Optical engineering and the science of light (Engineering in action)	621.36 ROO	©2014
ROBOTICS ENGINEERING		Robotics (Cool science)	629.892 DOM	©2006
		Mighty robots	629.892 JON	©2005
		Robot technology (New technology)	629.892 GRA	©2010
		Robot brains (Robozones)	629.892 JEF	©2006

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		Robot voyagers (Robozones)	629.892 JEF	©2007
		Robot warriors (Rbozones)	629.892 JEF	©2007
		Robot workers (Robozones)	629.892 JEF	©2007
		How robots work (Robots and robotics)	629.892 HYL	©2007
		How to build your own prize-winning robot (Science fair success)	629.892 SOB	©2002
		Robots and artificial intelligence (Technology behind)	629.89 BRA	©2011
		Robotics and artificial intelligence (Hot science)	629.89 FRI	©2003
		Getting the most out of Makerspacers to build robots (Makerspaces)	629.892 COH	©2015
REMOTE SYSTEMS		Remote systems control engineer (Cool STEM careers)	620.46 MUL	©2013
SOFTWARE ENGINEERING		Careers creating search engines (Cutting edge careers)	025.04 LEV	©2007
STADIUMS		Stadiums (Building amazing structures)	725.827 OXL	©2001
		Sports stadiums (QEB buildings at work)	796.068 ENC	©2007
	Colosseum	The Colosseum (Great building feats)	937.63 DUT	©2003
Internet Code	Colosseum	Colosseum (Virtual field trip)	937.63 ROS	©2013
STRUCTURES	Bridges: DVD	Bridges (Building big)	DVD 624.2 BRI	©2004
	Bridges: VIDEO	Super bridge	DVD 624.5 FRI	©1997
	Bridges: VIDEO	Bridges	VIDEO 624.2 BRI	©1988
	Bridges	Bridges (Bridges)	624.2 DUN C1	©1993
	Bridges	Bridges (Building amazing structures)	624.2 OXL	©2001
	Bridges	The story of America's bridges	624.2 SPA	©1991
	Bridges	Bridges	624.2 COR	©1978
	Bridges	Bridges (Superstructures)	624.2 OXL	©1997
	Bridges	Bridges go from here to there	624.2 WIL	©1993
	Bridges	Bridges: a project book	624.2 MAC	©1980
	Bridges	How bridges are made (How it is made)	624.2 KIN	©1985
	Bridges	Bridges and spans (Frameworks)	624.2 PHI	©2008
	Bridges	Bridges	REF 624.3 DUP	©1997
	Bridges	Bridges (Designing the future)	624.2 WIL	©1999
	Bridges	Golden Gate Bridge	624.23 FAN	©2007
	Bridges	The London Tower Bridge	624.219 YUA	©2004

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	Bridges	The Brooklyn Bridge	624.23 PRE	©2009
	Bridges	Building Big	720 MAC	©2000
	Canals: VIDEO	Panama Canal	386.44 PAN	©1994
	Canals	Building the Panama Canal: chronicles from National Geographic	972.875 BUI	©1999
	Canals	The Erie Canal: a primary source history of the canal that changed...Ch. 2	386.48 LEV	©2003
	Canals	The Panama Canal	972.875 MCN	©1997
	Canals	The Panama Canal (Great building feats)	972.875 DUT	©2003
	Dams: DVD	Dams (Building big)	DVD 627.8 DAM	©2004
	Dams	Dams and levees (Our environment)	333.912 HIL	©2007
	Dams	Dams (Building amazing structures)	627.8 OXL	©2001
	Dams	Dams and waterways (Frameworks)	627 PHI	©2008
	Dams	The Hoover Dam (Building America then and now)	627.82 ALD	©2009
	Dams	The Hoover Dam: applying problem solving strategies (PowerMath)	510 ROZ	©2007
	Dams	Johnstown flood: the day the dam burst (American disasters)	974.877 GOW	©2003
	Dams	The Johnstown flood (We the people)	974.877 NOB	©2006
	Domes: DVD	Domes	721.46 DOM	©2000
	Domes: DVD	Domes (Building big)	721.46 DOM	©2004
	Skyscrapers DVD	Skyscrapers (Building big)	DVD 720.483 SKY	©2004
	Skyscrapers	Incredible skyscrapers (Superstructures)	720.483 BAR	©2011
	Skyscrapers	Skyscrapers (QEB buildings at work)	720.483 ENC	©2007
	Skyscrapers	Skyscrapers and towers (Superstructures)	720.483 OXL	©1997
	Skyscrapers	Skyscrapers and high rises (Frameworks)	720.483 PHI	©2008
	Skyscrapers	Skyscrapers: a history of the world's most famous skyscrapers	REF 720.483 DUP	©1996
	Tunnels: DVD	Tunnels (Building big)	DVD 624.193 TUN	©2004
	Various	Amazing built structures (Technology behind)	624.1 BRA	©2011
	Various	Steven Caney's ultimate building book	624 CAN	©2006
	Various	Building (Make it work!)	624.1 HAS	©1994
	Various	The world of architectural wonders	720 COR	©1996
	Various	Fantastic feats and failures	624.17 FAN 2c.	©2004
	Various	Models in physical science: structures	688.1 ZUB	©1993
	Various	Structures: the way things are built	624.09 HAW	©1990
	Various	Pyramids and temples (Superstructures)	726 PAR	©2006
TRANSPORTATION ENG.		Transportation technology (New technology)	629.04 WIL	©2009