



101 Things I Learned in Engineering School

By John Kuprenas

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In this unique primer, an experienced civil engineer and instructor presents the physics and fundamentals that underlie the many fields of engineering. Far from a dry, nuts-and-bolts exposition, however, 101 THINGS I LEARNED® IN ENGINEERING SCHOOL probes real-world examples to show how the engineer's way of thinking can-and sometimes cannot-inform our understanding of how things work. Questions from the simple to the profound are illuminated throughout: Why shouldn't soldiers march across a bridge? Why do buildings want to float and cars want to fly? What is the difference between thinking systemically and thinking systematically? How can engineering solutions sympathize with the natural environment?

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Editorial Review

About the Author

John Kuprenas is a Registered Engineer and LEED professional in California. He lectures in Civil Engineering at the University of Southern California and at California State University Long Beach, and is Vice President at Vanir Construction Management in Los Angeles. His writings have been published in dozens of refereed journals and in *The Story of Managing Projects* (Greenwood Press/Quorum Books).

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