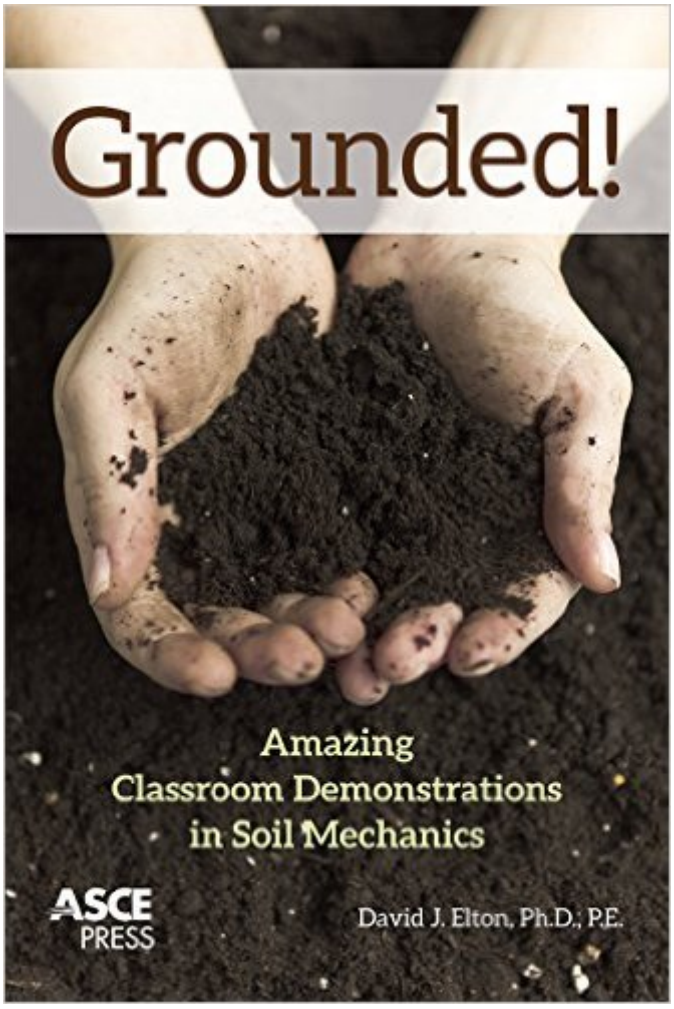
Grounded! Amazing Classroom Demonstrations In Soil Mechanics



Synopsis

Dave Elton has done it again! Exploding soils Retaining walls made of paper Gravity defying sand! Grounded! Amazing Classroom Demonstrations in Soil Mechanics presents 35 serious but entertaining experiments that teach the fundamentals of soil mechanics to budding scientists and engineering students in an exciting and novel way. In this sequel to the popular Soils Magic, Elton has assembled a wealth of fascinating new experiments to illustrate the dynamics of how soils behave and how they can be manipulated. Topics include: slaking, pile capacity, swelling clays, shear and compression, effective stress, capillary tension and flow, soil arching, tensile and compressive strength, soil identification, piping, liquefaction, relative density, soil filters, settlement rates, and many more. Each demonstration includes easy-to-follow directions, illustrations, and an explanation of the engineering significance or application of the principle demonstrated. Videos of many experiments are also available. An exciting tool for high-school and college instructors, the inexpensive and simple experiments in this book make soil mechanics fun to learn and are fascinating to even the casual science enthusiast.

Book Information

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