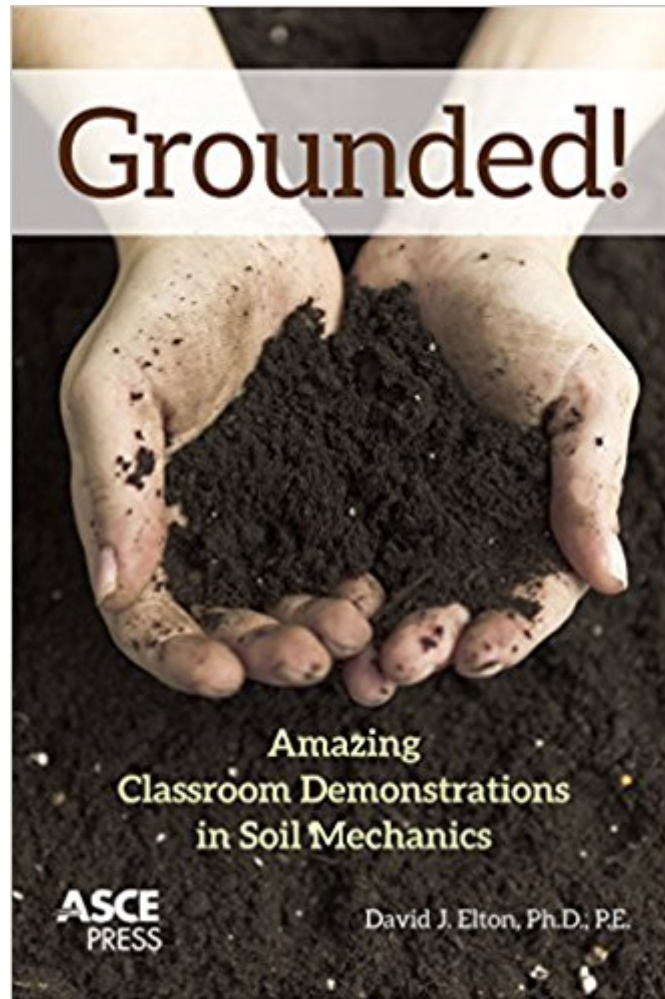


The book was found

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

Paperback: 204 pages

Publisher: ASCE Press (August 18, 2015)

Language: English

ISBN-10: 0784413924

ISBN-13: 978-0784413920

Product Dimensions: 9 x 0.5 x 6.1 inches

Shipping Weight: 10.4 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #679,023 in Books (See Top 100 in Books) #21 in Books > Science & Math > Earth Sciences > Geology > Sedimentary #46 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Earthwork Design #95 in Books > Science & Math > Agricultural Sciences > Soil Science

[Download to continue reading...](#)

Grounded! Amazing Classroom Demonstrations in Soil Mechanics Soil Mechanics in Highway Engineering (Series on Rock and Soil Mechanics) Methods of Soil Analysis. Part 2. Microbiological and Biochemical Properties (Soil Science Society of America Book, No 5) (Soil Science Society of America Book Series) Google Classroom: The 2016 Google Classroom Guide (Google Classroom,

Google Guide, Google Classrooms, Google Drive) The Soul of Soil: A Soil-Building Guide for Master Gardeners and Farmers, 4th Edition Start With the Soil: The Organic Gardener's Guide to Improving Soil for Higher Yields, More Beautiful Flowers, and a Healthy, Easy-Care Garden Taylor's Weekend Gardening Guide to Soil and Composting: The Complete Guide to Building Healthy, Fertile Soil (Taylor's Weekend Gardening Guides (Houghton Mifflin)) Defining Soil Quality for a Sustainable Environment: Proceedings of a Symposium Sponsored by Divisions S-3, S-6, and S-2 of the Soil Science Society (S S S a Special Publication) Tomography of Soil-Water-Root Processes: Proceedings of a Symposium Sponsored by Division S-1 and S-6 of the Soil Science Society of America in Minn (S S S a Special Publication) SharePoint Online from Scratch: Office 365 SharePoint course with video demonstrations Culturally Adaptive Counseling Skills: Demonstrations of Evidence-Based Practices Laboratory Manual: Activities, Experiments, Demonstrations & Tech Labs for Conceptual Physics Chemical Demonstrations: A Sourcebook for Teachers Volume 2 The Well-Grounded Rubyist Well Grounded: Using Local Land Use Authority to Achieve Smart Growth (Environmental Law Institute) Cancelled, Delayed, Grounded: Law for the Frustrated Air Traveler The Discovery of Grounded Theory: Strategies for Qualitative Research Constructing Grounded Theory (Introducing Qualitative Methods series) Craig's Soil Mechanics: Solutions Manual Experimental Soil Mechanics

[Dmca](#)