What does it take to be a successful teacher? In *On Teaching Science*, noted educator and astrophysicist Jeffrey Bennett argues that the primary key to success lies in finding ways to get students to put in the study and effort necessary for true learning, and he provides clear and concrete guidance about how to make this happen. Though aimed primarily at science teachers and administrators (both K–12 and college), the book will prove valuable to anyone concerned with education, including pre-service teachers, parents, and policy makers.

"Success = more (and more efficient) study time. With this simple yet powerful formula, On Teaching Science is poised to change the national conversation about educational reform." — Josipa Roksa, Associate Professor of Sociology and Education, University of Virginia, and co-author of Academically Adrift

"A masterful 'back to basics' review of true 'nuts and bolts' of learning and teaching science." — **Alan McCormack**, Professor of Science Education, San Diego State University, and President of the National Science Teachers Association (2010–11)

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"On Teaching Science is GREAT. It should be required reading for parents and administrators as well as teachers." — **Laura L. Duncan**, Science Teacher, Boulder High School

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Education, Perspective, and Inspiration



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You can't actually "teach" anything to anybody; you can only help people learn for themselves.

Big Picture Idea 2 20

Brains are brains. We may know more as we get older, but we still learn new things in the same basic way.

Big Picture Idea 3 24

People have known how to teach successfully for thousands of years.

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Above all, try to ensure that your students study.

General Teaching Suggestion 2 35

Provide structure and assignments that will help your students study sufficiently and efficiently.

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Teach for the long term by focusing on three linked goals for science teaching: *education*, *perspective*, and *inspiration*.

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