

Immunotherapy is now being intensively studied as a way of fighting cancer. Much has already been accomplished, and some people with late-stage melanoma have survived for two to 10 years beyond expectations. While there is still no cure for cancer, research involving the immune system shows great promise for someday leading to a cure.

The book is not without touches of humor, including the scientist who, like Snow White, enjoyed whistling while he worked, though his preference was for whistling opera music. Enjoy the story of the invisible gorilla. Meet the scientist who was a Playboy bunny and later named her dog as the coauthor of a research paper published in a prominent scientific journal.

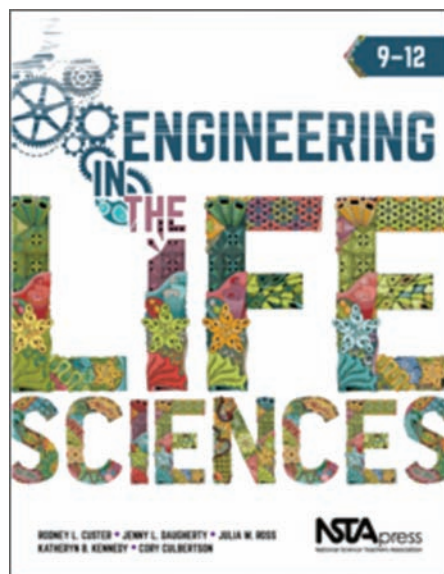
Scientist Albert Szent-Györgyi once noted that the trick is “to see what everybody else has seen, but to think what nobody else has thought.” Readers will find this book, which includes over 50 pages of notes documenting text information, to be fascinating, entertaining, and superbly well written. It paints a profound picture of the intense assemblage of inquiry, reflection, experimentation, cooperation, creativity, repetition, revision, and conclusion that are vital aspects of new scientific discoveries. The book would be a valuable resource for college-level biology instructors as well as an asset for students in an immunology class.



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### BIOLOGY AND ENGINEERING IN THE CLASSROOM

*Engineering in the Life Sciences, 9–12 (Teacher Edition)*. By Rodney L. Custer, Jenny L. Daugherty, Julia M. Ross, Kathryn B. Kennedy, and Cory Culbertson. 2018. NSTA Press. (ISBN: 978-1-68140-477-6). 340 pp. Paperback, \$39.95.



*Engineering in the Life Sciences* is a collection of lessons and teacher instructions that integrate engineering standards and designed projects into life science. Written for high school teachers, the first chapter of the book describes how the engineering standards work with the *Next Generation Science Standards* (NGSS) for life sciences.

This chapter is followed by six classroom-tested examples of life science lessons that include engineering components. Each of the six lessons incorporates one or more of the Life Science content areas in the NGSS standards. Each lesson takes multiple days, and a reasonable estimation of timing is included. These lessons are laid out with lots of resources for the teacher. Each lesson follows a 6E staged series of activities. NGSS alignment, assessment criteria, unit progression, content outline, materials lists, resources, and student worksheets for each of the activities are given.

The suggested uses of resources, including differentiation ideas, are helpful. Embedded throughout each lesson plan are teaching tips.

These lessons also serve as a model or template for teachers to use to design their own. The chapters that follow explain how teachers can manage the different aspects of completing design projects in the classroom. Lots of suggestions about student and teacher mindsets, materials management, and assessments are provided. The last two chapters of the book are filled with ideas that can be turned into more engineering-infused lessons and some short case studies that can be shorter stand-alone lessons or include suggestions for where they can be used within larger units.

*Engineering in the Life Sciences* is a useful resource for teachers looking for lessons and ideas to make greater connections between engineering and life science NGSS standards. It is also available as an e-book.



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