



Join Science for Georgia and Andrew Schulz, PhD Candidate at Georgia Tech in Mechanical Engineering, for a discussion about how animals, like the elephant, can be bio-inspirations for engineers. Check out the Fulton County Library System for further learning!

Animal-Inspired Robot Behavior
by Great Courses
 (Movie on Kanopy)

This film asks us to consider an approach to creating robots that's inspired not by maps but by the simple sense-and-act behavior of animals. You'll learn the benefits of behavior-based robotic architecture (including quicker reactions and stronger sensors), and see how simple animals including ants have inspired roboticists to build fascinating inventions.

STEM Jobs In Wildlife Conservation
by Emma Berne
 (ebook on Hoopla)

This title introduces readers to careers in Wildlife Conservation by exploring and connecting the opportunities to the study of science, technology, engineering, art, and math. Gives an overview of various jobs related to Wildlife Conservation and points out how each position relates to STEAM subjects.

Engineered!: Engineering Design at Work
by Shannon Hunt, James Gulliver Hancock
 (eBook on Hoopla)

This book covers nine engineering problems and their ingenious solutions. Each problems was solved using a different field of engineering - from aerospace and mechanical to the new field of geomatics - along with some awesome math, science and technology skills. These engineering feats are sure to inspire the natural engineer in all!

Life's Edge: The Search for What It Means to Be Alive
by Carl Zimmer
 (ebook on Overdrive)

Carl Zimmer investigates one of the biggest questions of all: What is life? Is the apple sitting on your kitchen counter alive, or is only the apple tree it came from deserving of the word? If we can't answer that question here on earth, how will we know when and if we discover alien life on other worlds?

The Perfectionists: How Precision Engineers Created the Modern World
by Simon Winchester
 (ebook on Overdrive)

This book traces the development of technology from the Industrial Age to the Digital Age to explore the single component crucial to advancement—precision—in a superb history that is both an homage and a warning for our future. Winchester ask important like how do we measure precision? And can the precise and the natural co-exist in society?

Everything All at Once: How to Think Like a Science Guy, Solve Any Problem, and Make a Better World
by Bill Nye
 (eBook on Overdrive)

In this book, Bill Nye wants you to examine every detail of the most difficult problems that look unsolvable—that is, until you find the solution. Bill shows you how to develop critical thinking skills and create change, using his "everything all at once" approach that leaves no stone unturned.



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 Aug 2, 2021 - Sep 2, 2021



The Fulton County Library Outreach team provides FREE Virtual Library programs and curated resources for your community organization or event. Email Library.Outreach@fultoncountyga.gov for inquiries.

