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# The Ability 1 Mm Vaughan

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*Binocular Vision and Ocular Motility* Oxford University Press

The #1 New York Times bestseller The phenomenal true story of the black female mathematicians at NASA whose calculations helped fuel some of America's greatest achievements in space. Soon to be a major motion picture starring Taraji P. Henson, Octavia Spencer, Janelle Monae, Kirsten Dunst, and Kevin Costner. Before John Glenn orbited the earth, or Neil Armstrong walked on the moon, a group of dedicated female mathematicians known as "human computers" used pencils, slide rules and adding machines to calculate the numbers that would launch rockets, and astronauts, into space. Among these problem-solvers were a group of exceptionally talented African American women, some of the brightest minds of their generation. Originally relegated to teaching math in the South's segregated public schools, they were called into service during the labor shortages of World War II, when America's aeronautics industry was in dire need of anyone

who had the right stuff. Suddenly, these overlooked math whizzes had a shot at jobs worthy of their skills, and they answered Uncle Sam's call, moving to Hampton, Virginia and the fascinating, high-energy world of the Langley Memorial Aeronautical Laboratory. Even as Virginia's Jim Crow laws required them to be segregated from their white counterparts, the women of Langley's all-black "West Computing" group helped America achieve one of the things it desired most: a decisive victory over the Soviet Union in the Cold War, and complete domination of the heavens. Starting in World War II and moving through to the Cold War, the Civil Rights Movement and the Space Race, *Hidden Figures* follows the interwoven accounts of Dorothy Vaughan, Mary Jackson, Katherine Johnson and Christine Darden, four African American women who participated in some of NASA's greatest successes. It chronicles their careers over nearly three decades they faced challenges, forged alliances and used their intellect to change their own lives, and their country's future.

Justice League Unlimited Simon and Schuster  
*A History of Western Choral Music* explores the various genres, key composers, and influential works essential to the development of the western choral tradition. Author Chester L. Alwes divides this exploration into two volumes which move from Medieval music and the Renaissance era up to the 21st

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century. Volume II begins at the transition from the Classical era to the Romantic, with an examination of the major genres common to both periods. Exploring the oratorio, part song, and dramatic music, it also offers a thorough discussion of the choral symphony from Beethoven to Mahler, through to the present day. It then delves into the choral music of the twentieth century through discussions of the major compositional approaches and philosophies that proliferated over the course of the century, from impressionism to serialism, neo-classicism to modernism, minimalism, and the avant-garde. It also considers the emerging tendency towards nationalistic composition amongst composers such as Bartók and Stravinsky, and discusses in great detail the contemporary music of the United States, and Great Britain. Framing discussion within the political, religious, cultural, philosophical, aesthetic, and technological contexts of each era, *A History of Western Choral Music* offers readers specialized insight into major composers and works while providing a cohesive understanding of choral music's place in Western history.

Simon and Schuster

*Women in Science and Technology*: Annie Easley gives readers in grades 1-3 a brief biography of the NASA computer scientist. It covers her childhood, work for the space program, and outreach. Annie Easley didn't plan to become a computer, but she needed a job, and she was good at math. Her work at NASA helped send rockets into space. She lived a life of learning and helping others. Her story inspires all young people to enjoy science and math. The biographies in this collection introduce students to influential women in science and technology, from astronauts to medical doctors. Each book includes a glossary, comprehension questions, a time line, and an extension activity.

*Little Disasters* Margaret K. McElderry Books

Bethany's talent for ESP takes a new direction when her visions take her to another place.

Annie Easley Osborne Publishing

Delve into the extraordinary abilities of the twelve-year-old mind in this “fast-paced, superhero-tinged spy novel” (*Publishers Weekly*), the thrilling start to a middle grade series that expands the possibilities of power. No one has any confidence in twelve-year-old Christopher Lane. His teachers discount him as a liar and a thief, and his mom doesn't have the energy to deal with him. But a mysterious visit from the Ministry of Education indicates that Chris might have some potential after all: He is invited to attend the prestigious Myers Holt Academy. When Christopher begins at his new school, he is astounded at what he can do. It seems that age twelve is a special time for the human brain, which is capable of remarkable feats—as also evidenced by Chris's peers Ernest and Mortimer Genver, who, at the direction of their vengeful and manipulative mother, are testing the boundaries of the human mind. But all this experimentation has consequences, and Chris soon finds himself forced to face them—or his new life will be over before it can begin.

Friendroid Bantam

In the United States, some populations suffer from far greater disparities in health than others. Those disparities are caused not only by fundamental differences in health status across segments of the population, but also because of inequities in factors that impact health status, so-called determinants of health. Only part of an individual's health status depends on his or her behavior and choice; community-wide problems like poverty, unemployment, poor education, inadequate

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housing, poor public transportation, interpersonal violence, and decaying neighborhoods also contribute to health inequities, as well as the historic and ongoing interplay of structures, policies, and norms that shape lives. When these factors are not optimal in a community, it does not mean they are intractable: such inequities can be mitigated by social policies that can shape health in powerful ways. *Communities in Action: Pathways to Health Equity* seeks to delineate the causes of and the solutions to health inequities in the United States. This report focuses on what communities can do to promote health equity, what actions are needed by the many and varied stakeholders that are part of communities or support them, as well as the root causes and structural barriers that need to be overcome.

Ethics, Technology, and Engineering  
Penguin

#1 NEW YORK TIMES BESTSELLER

Only a handful of fictional characters are recognized by first name alone. Dean Koontz's *Odd Thomas* is one such literary hero, who has come alive in readers' imaginations as he explores the greatest mysteries of this world and the next with his inimitable wit, heart, and quiet gallantry. Now Koontz follows *Odd* as he is drawn onward, to a destiny he cannot imagine. Haunted by dreams of an all-encompassing red tide, *Odd* is pulled inexorably to the sea, to a small California coastal town where nothing is as it seems.

Slick National Academies Press

Infectious diseases are the leading cause of death globally, particularly among children and young adults. The spread of new pathogens and the threat of antimicrobial resistance pose particular challenges in combating these diseases. *Major Infectious Diseases* identifies feasible, cost-effective packages of interventions and strategies across delivery platforms to prevent and treat HIV/AIDS, other sexually transmitted

infections, tuberculosis, malaria, adult febrile illness, viral hepatitis, and neglected tropical diseases. The volume emphasizes the need to effectively address emerging antimicrobial resistance, strengthen health systems, and increase access to care. The attainable goals are to reduce incidence, develop innovative approaches, and optimize existing tools in resource-constrained settings.

*The Courage to Be Disliked* National Academies Press

While Chris and five other twelve-year-olds learn to make the most of their mental abilities in a secret, government-run school last used in 1977, twins Ernest and Mort are studying under someone with much more sinister motives.

*The Lost Sun The Ability*

This volume is the newest release in the authoritative series issued by the National Academy of Sciences on dietary reference intakes (DRIs). This series provides recommended intakes, such as Recommended Dietary Allowances (RDAs), for use in planning nutritionally adequate diets for individuals based on age and gender. In addition, a new reference intake, the Tolerable Upper Intake Level (UL), has also been established to assist an individual in knowing how much is "too much" of a nutrient. Based on the Institute of Medicine's review of the scientific literature regarding dietary micronutrients, recommendations have been formulated regarding vitamins A and K, iron, iodine, chromium, copper, manganese, molybdenum, zinc, and other potentially beneficial trace elements such as boron to determine the roles, if any, they play in health. The book also: Reviews selected components of food that may influence the bioavailability of these compounds. Develops estimates of dietary intake of these compounds that are compatible with good nutrition throughout the life span and that may decrease risk of chronic disease where data indicate they play a role.

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Determines Tolerable Upper Intake levels for each nutrient reviewed where adequate scientific data are available in specific population subgroups. Identifies research needed to improve knowledge of the role of these micronutrients in human health. This book will be important to professionals in nutrition research and education.

Hidden Figures Simon and Schuster

Guilt-ridden, Christopher Lane returns to Myers Holt, the secret London academy where he and five others are being trained to use their psychic Ability to help the police, while Ernest, the identical twin of the boy Chris killed, is plotting his revenge.

Disease Control Priorities, Third Edition (Volume 6) McGraw Hill Professional

This volume examines the phenomenon of fake news by bringing together leading experts from different fields within psychology and related areas, and explores what has become a prominent feature of public discourse since the first Brexit referendum and the 2016 US election campaign. Dealing with misinformation is important in many areas of daily life, including politics, the marketplace, health communication, journalism, education, and science. In a general climate where facts and misinformation blur, and are intentionally blurred, this book asks what determines whether people accept and share (mis)information, and what can be done to counter misinformation? All three of these aspects need to be understood in the context of online social networks, which have fundamentally changed the way information is produced, consumed, and transmitted. The contributions within this volume summarize the most up-to-date empirical findings, theories, and applications and discuss cutting-edge ideas and future directions of interventions to counter fake news. Also providing guidance on how to handle misinformation in an age of “ alternative facts ” , this is a fascinating and vital reading for students and academics in psychology, communication, and political science and for professionals including policy makers and journalists.

The Threat of Pandemic Influenza National Academies Press

Superman, Batman, Wonder Woman, and the rest of the Justice League battle a collection of

intergalactic villains.

The Last Forever Simon and Schuster

Holding fast to her friends after the death of her mother, Tessa accompanies her grieving father on an impromptu road trip that lands them in a small coastal town where she seeks healing through a bond with a secretive boy.

Multimedia Dc Comics

This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.

The Alcohol Textbook Simon and Schuster

Featuring a wide range of international case studies, Ethics, Technology, and Engineering presents a unique and systematic approach for engineering students to deal with the ethical issues that are increasingly inherent in engineering practice. Utilizes a systematic approach to ethical case analysis -- the ethical cycle -- which features a wide range of real-life international case studies including the Challenger Space Shuttle, the Herald of Free Enterprise and biofuels. Covers a broad range of topics, including ethics in design, risks, responsibility, sustainability, and emerging technologies Can be used in conjunction with the

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online ethics tool Agora

(<http://www.ethicsandtechnology.com>) Provides engineering students with a clear introduction to the main ethical theories Includes an extensive glossary with key terms

Six John Wiley & Sons

Berserking is in Soren's blood. Constant fevers and insomnia promise the power will explode in him any day. He's terrified of himself. Soren takes off on a road trip across the United States of Asgard in search of a new future.

Thriving on Our Changing Planet Springer Science & Business Media

Dr. Greg Zacharias, former Chief Scientist of the United States Air Force (2015-18), explores next steps in autonomous systems (AS) development, fielding, and training. Rapid advances in AS development and artificial intelligence (AI) research will change how we think about machines, whether they are individual vehicle platforms or networked enterprises. The payoff will be considerable, affording the US military significant protection for aviators, greater effectiveness in employment, and unlimited opportunities for novel and disruptive concepts of operations. Autonomous Horizons: The Way Forward identifies issues and makes recommendations for the Air Force to take full advantage of this transformational technology.

Autonomous Horizons Atheneum Books

Fundamentals of Biomechanics introduces the exciting world of how human movement is created and how it can be improved. Teachers, coaches and physical therapists all use biomechanics to help people improve movement and decrease the risk of injury. The book presents a comprehensive review of the major concepts of biomechanics and summarizes them in nine principles of biomechanics. Fundamentals of Biomechanics concludes by showing how these principles can be used by movement professionals to improve human movement. Specific case studies are presented in physical education, coaching, strength and conditioning, and sports medicine.

The Ability Simon and Schuster

The Handbook of Communication Skills is

recognised as one of the core texts in the field of communication, offering a state-of-the-art overview of this rapidly evolving field of study. This comprehensively revised and updated fourth edition arrives at a time when the realm of interpersonal communication has attracted immense attention. Recent research showing the potency of communication skills for success in many walks of life has stimulated considerable interest in this area, both from academic researchers, and from practitioners whose day-to-day work is so dependent on effective social skills. Covering topics such as non-verbal behaviour, listening, negotiation and persuasion, the book situates communication in a range of different contexts, from interacting in groups to the counselling interview. Based on the core tenet that interpersonal communication can be conceptualised as a form of skilled activity, and including new chapters on cognitive behavioural therapy and coaching and mentoring, this new edition also places communication in context with advances in digital technology. The Handbook of Communication Skills represents the most significant single contribution to the literature in this domain. Providing a rich mine of information for the neophyte and practising professional, it is perfect for use in a variety of contexts, from theoretical mainstream communication modules on degree programmes to vocational courses in health, business and education. With contributions from an internationally renowned range of scholars, this is the definitive text for students, researchers and professionals alike.