Grade 9 Maths Exam Paper November 2013

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School to Career  J. J. Littrell 2013-03-05 The 10th edition of School to Career builds on what made the previous editions so successful. Students explore careers using the career clusters and pathways framework; understand workplace expectations; develop career-readiness skills; and plan for life beyond graduation. School to Career provides students with the “how to” needed for preparing a résumé, searching for a job, taking on a work-based learning experience, exceeding employer expectations, managing personal finances, and financing postsecondary training and education. Case studies are used to examine challenges students may encounter in the world of work. • Communication, math, and technology skills are developed through activities and useful examples. • Each chapter provides insights on ethics and on using natural resources wisely. • Self-assessment opportunities help focus attention on the acquisition of key concepts.

What's Left Now? Andrew Hindmoor 2018-01-26 Our sense of history shapes how we think about ourselves. One of the distinguishing features of the left in Britain is that it holds to a remorselessly bleak and miserabilist view of our recent political history — one in which Margaret Thatcher's election in 1979 marked the start of a still-continuing fall from political grace made evident by the triumph of a free market get-what-you-can neoliberal ideology, dizzying levels of inequality, social decay, rampant individualism, state authoritarianism, and political corruption. The left does not like what has happened to us and it does not like what we have become. Andrew Hindmoor argues that this history is wrong and self-harming. It is wrong because Britain has in many respects become more politically attractive and progressive country over the last few decades. It is self-harming because this bleak history undermines faith in politics. Post-Brexit, post-Grenfell, and post the 2010, 2015, and 2017 general elections, things may not, right now, look that great. But looked at over the longer haul, Britain is a long way from being a posterchild for neoliberalism. Left-wing ideas and arguments have shaped and continue to shape our politics.

Official SAT Study Guide 2020 Edition The College Board 2019-05-07 Review every skill and question type needed for SAT success - with eight total practice tests. The Official SAT Study Guide includes eight official SAT(R) practice tests - all of them created by the test maker. As part of the College Board's commitment to transparency, all practice tests are available on the College Board's website, but The Official SAT Study Guide is the only place to find them in print along with over 250 pages of additional instruction, guidance, and test information. With guidance and practice problems that reflect the most recent information, this edition takes the best-selling SAT guide and makes it even more relevant and useful. Be ready for the SAT with strategies and up-to-date information straight from the exam writers. The Official SAT Study Guide will help students get ready for the SAT with: - 8 official SAT practice tests, written in the exact same process and by the same team of authors as the actual exam - detailed descriptions of the math and evidenced based reading and writing sections - targeted practice questions for each SAT question type - seamless integration with Official SAT Practice on Khan Academy. Note: The optional SAT Essay is discontinued for weekend SAT.


Effective Techniques to Motivate Mathematics Instruction Alfred S. Posamentier 2016-04-28 Effective Techniques to Motivate Mathematics Instruction offers pre-and in-service teachers best practices and techniques that can be used to motivate students in the first few minutes of any lesson in mathematics. Veteran teacher educators Posamentier and Krulik show how a bit of creativity and planning up front pays back by enabling a successful lesson on even the most challenging mathematics topic. Organized around nine different motivational techniques, each chapter includes a variety of illustrative examples of how the technique may be applied. Designed to complement any methods textbook, this practical, accessible guide helps future math teachers ease the transition from successful student to successful teacher by developing the tools needed to create motivational introductions in their classes.

International Handbook of Mathematical Learning Difficulties Annemarie Fritz 2019-01-30 This comprehensive volume provides teachers, researchers and education professionals with cutting edge knowledge developed in the last decades by the educational, behavioural and neurosciences, integrating cognitive, developmental and socioeconomic approaches to deal with the problems children face in learning mathematics. The neurocognitive mechanisms and the cognitive processes underlying acquisition of arithmetic abilities and their significance for education have been the subject of intense research in the last few decades, but the most part of this research has been conducted in non-applied settings and there's still a deep discrepancy between the level of scientific knowledge and its implementation into actual educational settings. Now it's time to bring the results from the laboratory to the classroom. Apart from bringing the theoretical discussions to educational settings, the volume presents a wide range of methods for early detection of children with risks in mathematics learning and strategies to develop effective interventions based on innovative cognitive test instruments. It also provides insights to translate research knowledge into public policies in order to address socioeconomic issues. And it does so from an international perspective, dedicating a whole section to the cultural diversity of mathematics learning difficulties in different parts of the world. All of this makes the International Handbook of Mathematical Learning Difficulties an essential tool for those involved in the daily struggle to prepare the future generations to succeed in the global knowledge society.

Grade Five Science Utah State Utah State Office of Education 2014-07-01 This fifth grade science textbook is designed for use in Utah during the 2014-2015 academic year. This book was developed by the Utah State Office of Education and is aligned to the Utah Science Core. This book is based on materials originally published by CK-12 and Siyavula under a Creative Commons BY-NC-SA license. This book is licensed under those same terms. A PDF version of this book is available FOR FREE download from the USOE website at http://www.schools.utah.gov/CURR/science/OER.aspx You are free to print and redistribute your own copies of this textbook.

Stanley Yelnats' Survival Guide to Camp Greenlake Louis Sachar 2013-07-26 Imagine your misfortune if, like Stanley Yelnats, you found yourself the victim of a miscarriage of justice and interned in Camp Green Lake
Correctional Institute. How would you survive? Thoughtfully Louis Sachar has leant his knowledge and expertise to the subject and created this wonderful, quirky, and utterly essential guide to toughing it out in the Texan desert. Spiced with lots of information about the characters in HOLES, as well as lots of do’s and don’ts for survival, this is an essential book for all those hundreds of thousands of HOLES’ fans.

**The What, Why and How of Assessment** Simon Child 2021-07-21 How do teachers develop their understanding of the foundation principles of assessment, stay up to date with the latest classroom approaches and have the confidence to evaluate and question the effectiveness of new methods? This professional resource for teachers supports them to understand the what, why and how of assessment. It provides key knowledge on the types and purposes of assessment and explores key themes such as validity, reliability and fairness. It explores assessment in practice offering practical support for busy teachers and takes an in-depth look at how qualifications are designed and developed and how examinations are marked, graded and regulated.

**ICEL 2018 13th International Conference on e-Learning** Professor Eunice Ivala 2018-07-05

**Oswaal One For All Olympiad Previous Years Solved Papers Class 1 (Set of 5 Books) Maths English Science Reasoning & General Knowledge (For 2022-23 Exam)** Oswaal Editorial Board 2022-08-05 As per the Latest Pattern issued by various Exam Conducting Bodies *ISO, SZF, HO, UIMO, IOEL, ITHO, NSO, IEO, IRAO, NSTSE, SEAMO, IMO, IOS, IGKO, UIEO* - Previous years' Solved Papers 2011 to 2020 Assessment through 3 Levels of Questions–Level 1, Level 2 & Achievers Answer Key with Explanations Amazing Facts, Fun Trivia & ‘Did You Know?’ Concept Review with Examples Latest Sample Papers with complete solutions

**Oswaal One For All Olympiad Previous Years Solved Papers Class 4 (Set of 5 Books) Maths English Science Reasoning & General Knowledge (For 2022-23 Exam)** Oswaal Editorial Board 2022-08-05 As per the Latest Pattern issued by various Exam Conducting Bodies *ISO, SZF, HO, UIMO, IOEL, ITHO, NSO, IEO, IRAO, NSTSE, SEAMO, IMO, IOS, IGKO, UIEO* - Previous years' Solved Papers 2011 to 2020 Assessment through 3 Levels of Questions–Level 1, Level 2 & Achievers Answer Key with Explanations Amazing Facts, Fun Trivia & ‘Did You Know?’ Concept Review with Examples Latest Sample Papers with complete solutions

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**GRE Physics practice questions with the most complete list of test topics and step-by-step solutions - guaranteed higher GRE Physics score!**

**Parenting Matters** National Academies of Sciences, Engineering, and Medicine 2016-11-21 Decades of research have demonstrated that the parent-child dyad and the environment of the familyâ€™s which includes all primary caregiversâ€”are at the foundation of children’s well-being and healthy development. From birth, children are learning and rely on parents and the other caregivers in their lives to protect and care for them. The impact of parents may never be greater than during the earliest years of life, when a child’s brain is rapidly developing and when nearly all of her or his experiences are created and shaped by parents and the family environment. Parents help children build and refine their knowledge and skills, charting a trajectory for their health and well-being during childhood and beyond. The experience of parenting also impacts parents themselves. For instance, parenting can enrich and give focus to parents’ lives; generate stress or calm; and create any number of emotions, including feelings of happiness, sadness, fulfillment, and anger. Parenting of young children today takes place in the context of significant ongoing developments. These include: a rapidly growing body of science on early childhood, increases in funding for programs and services for families, changing demographics of the U.S. population, and greater diversity of family structure. Additionally, parenting is increasingly being shaped by technology and increased access to information about parenting. Parenting Matters identifies parenting knowledge, attitudes, and practices associated with positive developmental outcomes in children ages 0-8; universal/preventive and targeted strategies used in a variety of settings that have been effective with parents of young children and that support the identified knowledge, attitudes, and practices; and barriers to and facilitators for parents’ use of practices that lead to healthy child outcomes as well as their participation in effective programs and services. This report makes recommendations directed at an array of stakeholders, for promoting the wide-scale adoption of effective programs and services for parents and on areas that warrant further research to inform policy and practice. It is meant to serve as a roadmap for the future of parenting policy, research, and practice.
in the United States.

**Homotopy Type Theory** Univalent Foundations Program 2013 This book is the product of a yearlong collaboration at the Institute for Advanced Study. It describes (the beta version of) a new language for mathematics, which may some day replace set theory.

**The R Book** Michael J. Crawley 2007-06-13 The high-level language of R is recognized as one of the most powerful and flexible statistical software environments, and is rapidly becoming the standard setting for quantitative analysis, statistics and graphics. R provides free access to unrivaled coverage and cutting-edge applications, enabling the user to apply numerous statistical methods ranging from simple regression to time series or multivariate analysis. Building on the success of the author's bestselling Statistics: An Introduction using R, The R Book is packed with worked examples, providing an all inclusive guide to R, ideal for novice and more accomplished users alike. The book assumes no background in statistics or computing and introduces the advantages of the R environment, detailing its applications in a wide range of disciplines. Provides the first comprehensive reference manual for the R language, including practical guidance and full coverage of the graphics facilities. Introduces all the statistical models covered by R, beginning with simple classical tests such as chi-square and t-test. Proceeds to examine more advance methods, from regression and analysis of variance, through to generalized linear models, generalized mixed models, time series, spatial statistics, multivariate statistics and much more. The R Book is aimed at undergraduates, postgraduates and professionals in science, engineering and medicine. It is also ideal for students and professionals in statistics, economics, geography and the social sciences.

**Introduction to Private Equity** Cyril Demaria 2013-06-12 This second edition of Introduction to Private Equity is more than an update, it reflects the dramatic changes which have affected an industry which is evolving rapidly, internationalizing and maturing fast. What is recognized as a critical yet grounded guide to the private equity industry blends academic rigour with practical experience. It provides a clear, synthetic and critical perspective of the industry from a professional who has worked at many levels within the industry; including insurance, funds of funds, funds and portfolio companies. The book approaches the private equity sector top-down, to provide a sense of its evolution and how the current situation has been built. It then details the interrelations between investors, funds, fund managers and entrepreneurs. At this point, the perspective shifts to bottom-up, how a private business is valued, how transactions are processed and the due diligence issues to consider before moving ahead. Introduction to Private Equity, Second Edition covers the private equity industry as a whole, putting its recent developments (such as secondary markets, crowdfunding, venture capital in emerging markets) into perspective. The book covers its organization, governance and function, then details the various segments within the industry, including Leveraged Buy-Outs, Venture Capital, Mezzanine Financing, Growth Capital, Distressed Debt, Turn-Around Capital, Funds of Funds and beyond. Finally, it offers a framework to anticipate and understand its future developments. This book provides a balanced perspective on the corporate governance challenges affecting the industry and draws perspectives on the evolution of the sector, following a major crisis.

**Capital in the Twenty-First Century** Thomas Piketty 2017-08-14 The main driver of inequality—returns on capital that exceed the rate of economic growth—is again threatening to generate extreme discontent and undermine democratic values. Thomas Piketty’s findings in this ambitious, original, rigorous work will transform debate and set the agenda for the next generation of thought about wealth and inequality.

**Fibonacci’s Liber Abaci** Laurence Sigler 2012-12-06 First published in 1202, Fibonacci’s Liber Abaci was one of the most important books on mathematics in the Middle Ages, introducing Arabic numerals and methods throughout Europe. This is the first translation into a modern European language, of interest not only to historians of science but also to all mathematicians and mathematics teachers interested in the origins of their methods.

**Math Equals** Teri Perl 1978 Provides an account of nine women mathematicians, their lives and their work, with mathematics activities which relate to the work of each.

**Grit: The Power of Passion and Perseverance** Angela Duckworth 2013-08-02 Grit offers a critical yet grounded guide to the private equity industry blends academic rigour with practical experience. It provides a clear, synthetic and critical perspective of the industry from a professional who has worked at many levels within the industry; including insurance, funds of funds, funds and portfolio companies. The book approaches the private equity sector top-down, to provide a sense of its evolution and how the current situation has been built. It then details the interrelations between investors, funds, fund managers and entrepreneurs. At this point, the perspective shifts to bottom-up, how a private business is valued, how transactions are processed and the due diligence issues to consider before moving ahead. Introduction to Private Equity, Second Edition covers the private equity industry as a whole, putting its recent developments (such as secondary markets, crowdfunding, venture capital in emerging markets) into perspective. The book covers its organization, governance and function, then details the various segments within the industry, including Leveraged Buy-Outs, Venture Capital, Mezzanine Financing, Growth Capital, Distressed Debt, Turn-Around Capital, Funds of Funds and beyond. Finally, it offers a framework to anticipate and understand its future developments. This book provides a balanced perspective on the corporate governance challenges affecting the industry and draws perspectives on the evolution of the sector, following a major crisis.
twice toward your goal; grit can be learned, regardless of IQ or circumstances; when it comes to child-rearing, neither a warm embrace nor high standards will work by themselves; how to trigger lifelong interest; the magic of the Hard Thing Rule; and so much more. Winningly personal, insightful, and even life-changing, Grit is a book about what goes through your head when you fall down, and how that—not talent or luck—makes all the difference. This is "a fascinating tour of the psychological research on success" (The Wall Street Journal).

PSAT/NMSQT Prep 2020-2021: PSAT/NMSQT Prep 2020 and 2021 with Practice Test Questions [2nd Edition] Test Prep Books 2020-01-21 PSAT/NMSQT Prep 2020-2021: PSAT/NMSQT Prep 2020 and 2021 with Practice Test Questions [2nd Edition] Developed by Test Prep Books for test takers trying to achieve a passing score on the PSAT exam, this comprehensive study guide includes: Quick Overview - Test-Taking Strategies - Introduction - Reading Test - Writing and Language Test - Math Test - Practice Questions - Detailed Answer Explanations Disclaimer: PSAT/NMSQT is a trademark registered by the College Board and the National Merit Scholarship Corporation, which are not affiliated with, and do not endorse, this product. Each section of the test has a comprehensive review created by Test Prep Books that goes into detail to cover all of the content likely to appear on the PSAT test. The Test Prep Books PSAT practice test questions are each followed by detailed answer explanations. If you miss a question, it's important that you are able to understand the nature of your mistake and how to avoid making it again in the future. The answer explanations will help you to learn from your mistakes and overcome them. Understanding the latest test-taking strategies is essential to preparing you for what you will expect on the exam. A test taker has to not only understand the material that is being covered on the test, but also must be familiar with the strategies that are necessary to properly utilize the time provided and get through the test without making any avoidable errors. Test Prep Books has drilled down the top test-taking tips for you to know. Anyone planning to take this exam should take advantage of the PSAT study guide review material, practice test questions, and test-taking strategies contained in this Test Prep Books study guide.

Open Access Peter Suber 2012-07-20 A concise introduction to the basics of open access, describing what it is (and isn’t) and showing that it is easy, fast, inexpensive, legal, and beneficial. The Internet lets us share perfect copies of our work with a worldwide audience at virtually no cost. We take advantage of this revolutionary opportunity when we make our work "open access": digital, online, free of charge, and free of most copyright and licensing restrictions. Open access is made possible by the Internet and copyright-holder consent, and many authors, musicians, filmmakers, and other creators who depend on royalties are understandably unwilling to give their consent. But for 350 years, scholars have written peer-reviewed journal articles for impact, depend on royalties are understandably unwilling to give their consent. But consent, and many authors, musicians, filmmakers, and other creators who digital, online, free of charge, and free of most copyright and licensing of this revolutionary opportunity when we make our work "open access":

Open Access Peter Suber 2012-07-20 A concise introduction to the basics of open access, describing what it is (and isn’t) and showing that it is easy, fast, inexpensive, legal, and beneficial. The Internet lets us share perfect copies of our work with a worldwide audience at virtually no cost. We take advantage of this revolutionary opportunity when we make our work "open access": digital, online, free of charge, and free of most copyright and licensing restrictions. Open access is made possible by the Internet and copyright-holder consent, and many authors, musicians, filmmakers, and other creators who depend on royalties are understandably unwilling to give their consent. But for 350 years, scholars have written peer-reviewed journal articles for impact, not for money, and are free to consent to open access without losing revenue. In this concise introduction, Peter Suber tells us what open access is and isn’t, how it benefits authors and readers of research, how we pay for it, how it avoids copyright problems, how it has moved from the periphery to the mainstream, and what its future may hold. Distilling a decade of Suber's influential writing and thinking about open access, this is the indispensable book on the subject for researchers, librarians, administrators, funders, publishers, and policy makers.

Understanding Student Participation and Choice in Science and Technology Education Ellen Karoline Henriksen 2014-09-17 Drawing on data generated by the EU’s Interests and Recruitment in Science (IRIS) project, this volume examines the issue of young people’s participation in science, technology, engineering and mathematics education. With an especial focus on female participation, the chapters offer analysis deploying varied theoretical frameworks, including sociology, social psychology and gender studies. The material also includes reviews of relevant research in science education and summaries of empirical data concerning student choices in STEM disciplines in five European countries. Featuring both quantitative and qualitative analyses, the book makes a substantial contribution to the developing theoretical agenda in STEM education. It augments available empirical data and identifies strategies in policy-making that could lead to improved participation—and gender balance—in STEM disciplines. The majority of the chapter authors are IRIS project members, with additional chapters written by specially invited contributors. The book provides researchers and policy makers alike with a comprehensive and authoritative exploration of the core issues in STEM educational participation.

Project Management Dennis Lock 2017-11-01 This title was first published in 2000: The author's masterly exposition of the principles and practice of project management has been pre-eminent in its field for four decades. It was among the very few early books to treat project management holistically, rather than as a collection of separate techniques. It thus explains the entire project management process in great detail, demonstrating techniques ranging from the simplest of charts to sophisticated computer applications. Everything is reinforced throughout with case examples and diagrams. The text has been completely restructured and largely rewritten for this ninth edition, so that the sequence now follows even more closely the life-cycle of a typical project from its earliest definition to final close-out. Case examples and diagrams have all been reviewed, updated, augmented or replaced.

The Hidden Half Michael Blastland 2019-04-04 Why does one smoker die of lung cancer but another kicks it to 2000? The answer is The Hidden Half - those random, unknowable variables that mess up our attempts to comprehend the world. We humans are very clever creatures, but we're also deeply flawed, and we can't escape the fact that we're vulnerable to all sorts of unforeseen disasters. In this entertaining and ingenious book, Blastland reveals how in our quest to make the world more understandable, we lose sight of how inexplicable it actually is. The results - from GDP figures to medicine - is that experts know a lot less than they think. Filled with compelling stories from economics, genetics, business, and science, The Hidden Half is a warning that an overinclusive view of the world may work in another, entertaining and provocative, it will change how you view the world.

Mathematics for Computer Science Eric Lehman 2017-03-08 This book covers elementary discrete mathematics for computer science and engineering. It emphasizes mathematical definitions and proofs as well as applicable methods. Topics include formal logic notation, proof methods, induction, well-ordering, sets, relations; elementary graph theory; integer congruences; asymptotic notation and growth of functions; permutations and combinations, counting principles; discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction; state machines and invariants; recurrences; generating functions.

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Economic and Management Sciences, Grade 9 Marietjie Barbard 2015-05-29

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The Australian Government Muscling in on School Education

Grant Rodwell

2020-06-04 Despite the Australian Constitution implying school education to be a state responsibility, the Commonwealth has increasingly interfered with state school education. The Australian Government Muscling in on School Education therefore offers a historical account of this government involvement in Australian education, from federation to the present day, providing a much-needed, fully updated and relevant overview the topic. Arguing that education has become an arena for competing political forces, this book examines the powerful influence of the Commonwealth over education and the political motives behind it, exploring how policies influence aspects of the curriculum, teaching standards, assessment and reporting, funding, teacher selection and policy more broadly. Ultimately questioning whether this influence is in the interests of the members of the community who depend on education, the book holds government engagement in education to account. Taking the major epochs of federalism as an organizing framework, the book’s chapters include explorations of: The efficiency dynamic and the progressive years (1919–39) Postwar imperatives and the Menzies years (1949–72) Coordinative federalism and treading softly: the Whitlam years (1972–5) and Fraser years (1975–83) Corporate federalism: the Hawke–Keating years (1983–96) Supply-side federalism and globalization: the Howard years (1996–2007) National control and the Rudd, Gillard, Abbott, Turnbull and Morrison years (2007–15) A thorough and significant examination of the historical engagement of the Australian government in education, this book is essential reading for student teachers and postgraduate students in education studies and politics.

Encyclopedia of Information Science and Technology, Fourth Edition

Khosrow-Pour, D.B.A., Mehdi 2017-06-20 In recent years, our world has experienced a profound shift and progression in available computing and knowledge sharing innovations. These emerging advancements have developed at a rapid pace, disseminating into and affecting numerous aspects of contemporary society. This has created a pivotal need for an innovative compendium encompassing the latest trends, concepts, and issues surrounding this relevant discipline area. During the past 15 years, the Encyclopedia of Information Science and Technology has become recognized as one of the landmark sources of the latest knowledge and discoveries in this discipline. The Encyclopedia of Information Science and Technology, Fourth Edition is a 10-volume set which includes 705 original and previously unpublished research articles covering a full range of perspectives, applications, and techniques contributed by thousands of experts and researchers from around the globe. This authoritative encyclopedia is an all-encompassing, well-established reference source that is ideally designed to disseminate the most forward-thinking and diverse research findings. With critical perspectives on the impact of information science management and new technologies in modern settings, including but not limited to computer science, education, healthcare, government, engineering, business, and natural and physical sciences, it is a pivotal and relevant source of knowledge that will benefit every professional within the field of information science and technology and is an invaluable addition to every academic and corporate library.

Weapons of Math Destruction

Cathy O’Neil 2016 Longlisted for the National Book Award

New York Times Bestseller A former Wall Street quant sounds an alarm on the mathematical models that pervade modern life—and threaten to rip apart our social fabric. We live in the age of the algorithm. Increasingly, the decisions that affect our lives—where we go to school, whether we get a car loan, how much we pay for health insurance—are being made not by humans, but by mathematical models. In theory, this should lead to greater fairness: Everyone is judged according to the same rules, and bias is eliminated. But as Cathy O’Neil reveals in this urgent and necessary book, the opposite is true. The models being used today are opaque, unregulated, and uncontestable, even when they’re wrong. Most troubling, they reinforce discrimination: If a poor student can’t get a loan because a lending model deems him too risky (by virtue of his zip code), he’s then cut off from the kind of education that could pull him out of poverty, and a vicious spiral ensues. Models are propping up the lucky and punishing the downtrodden, creating a “toxic cocktail for democracy.” Welcome to the dark side of Big Data. Tracing the arc of a person’s life, O’Neil exposes the black box models that shape our future, both as individuals and as a society. These “weapons of math destruction” score teachers and students, sort resumes, grant (or deny) loans, evaluate workers, target voters, set parole, and monitor our health. O’Neil calls on modelers to take more responsibility for their algorithms and on policy makers to regulate their use. But in the end, it’s up to us to become more savvy about the models that govern our lives. This important book empowers us to ask the tough questions, uncover the truth, and demand change. — Longlist for National Book Award (Non-Fiction) — Goodreads, semi-finalist for the 2016 Goodreads Choice Awards (Science and Technology) — Kirkus, Best Books of 2016 — New York Times, 100 Notable Books of 2016 (Non-Fiction) — The Guardian, Best Books of 2016 — WBUR’s “On Point,” Best Books of 2016: Staff Picks — Boston Globe, Best Books of 2016, Non-Fiction.