It’s fun to learn the Who Was? way! Introducing a new series of workbooks that explore Social Studies and Science topics for curious kids and Who Was? fans alike. Fans of Who Was?, the #1 New York Times Best-Selling series, are sure to love this workbook filled with reading passages based on their favorite historical figures! The interactive writing prompts at the end of each passage make the educational material more engaging, and allow young learners to apply the skills they’ve been practicing in an exciting, and creative way. With material that aligns with national Common Core Standards and is vetted by a top educational consultant, Who Was? Workbooks are designed to reinforce social studies and science lessons introduced in the classroom in an accessible way for young learners everywhere. This workbook also includes stand-alone activities like crossword puzzles, fill-in-the-blank word games, and word searches that readers can solve for extra Who Was? fun! Cambridge Primary Science is a flexible, engaging course written specifically for the Cambridge Primary Science curriculum framework. This Activity Book for Stage 4 contains exercises to support each topic in the Learner’s Book, which may be completed in class or set as homework. Exercises are designed to consolidate understanding, develop application of knowledge in new situations, and develop Scientific Enquiry skills. There is also an exercise to practise the core vocabulary from each unit. Cultivate a love for science by providing standards-based practice that captures children’s attention. Spectrum Science for grade 6 provides interesting informational text and fascinating facts about thermodynamics, biological adaptation, and geological disturbances. --When children develop a solid understanding of science, they’re preparing for success. Spectrum Science for grades 3-8 improves scientific literacy and inquiry skills through an exciting exploration of natural, earth, life, and applied sciences. With the help of this best-selling series, your young scientist can discover and appreciate the extraordinary world that surrounds them! These all-inclusive skills resources provide the focused practice students need to apply, reinforce, and review skills in reading, math, and test-taking. Answer key included. Cultivate a love for science by providing standards-based practice that captures children’s attention. Spectrum Science for grade 5 provides interesting informational text and fascinating facts about galaxies, subatomic particles, identical twins, and the first airplane. --When children develop a solid understanding of science, they’re preparing for success. Spectrum Science for grades 3-8 improves scientific literacy and
inquiry skills through an exciting exploration of natural, earth, life, and applied sciences. With the help of this best-selling series, your young scientist can discover and appreciate the extraordinary world that surrounds them! An irreverent "textbook" for women by a Parks and Recreation writer parodies popular women's magazines, spoofing perky self-improvement tips with advice on everything from glamorous ways to die to choosing a religion for one's body type. 100,000 first printing. Illustrations. Tour. "Environmental Science introduces students to the Earth's physical and biological systems, and the interactions of humans with these. This revision introduces new content and aligns the workbook to its supporting digital resources. Content developments include updates on the Gulf of Mexico oil spill and the Fukushima Daiichi nuclear disaster, and in-depth coverage of energy extraction issues, pollution, and the wider environmental implications of urban development. The ideal companion to both the APES curriculum and the IB Environmental Systems and Societies"--Back cover. The second edition of Wine Science: Principles, Practice, Perception updates the reader with current processes and methods of wine science, including an analysis of the advantages and disadvantages of various new grape cultivar clones, wine yeast strains, and malolactic bacteria. It also addresses current research in wine consumption as related to health. The many added beautiful color photographs, graphs, and charts help to make the sophisticated techniques described easily understandable. This book is an essential part of a any library. Key Features * Universally appealing to non-technologists and technologists alike * Includes section on Wine and Health which covers the effects of wine consumption on cardiovascular diseases, headaches, and age-related macular degeneration * Covers sophisticated techniques in a clear, easily understood manner * Presents a balance between the objective science of wine chemistry and the subjective study of wine appreciation * Provides updated information involving advantages/disadvantages of various grape cultivar clones, wine yeast strains, and malolactic bacteria * Chapter on recent historical findings regarding the origin of wine and wine making processes Perfect for children ages 8–9, this workbook provides extra practice to sharpen science skills in third graders. Topics covered include basic anatomy, vertebrates and invertebrates, photosynthesis, the solar system, the elements, gravity, mass, and heat. Developed in consultation with leading educational experts to support curriculum learning, DK Workbooks: Science is an innovative series of home-learning science workbooks that is closely linked to school curriculum and helps make learning easy and fun. Each title is packed with exercises and activities to strengthen what children learn in school. With clear questions and supportive illustrations to help children understand each topic, the books provide practice to reinforce learning and understanding of key concepts, such as animal life cycles, the solar system, chemistry, and anatomy. A parents' section contains answers, tips, and guidance to provide support, and a certificate of achievement will reinforce confidence in kids by rewarding their accomplishments. Discover 80 trail-blazing scientific ideas, which underpin our modern world, giving us everything from antibiotics to gene therapy, electricity to space rockets and batteries to smart phones. What is string theory or black holes? And who discovered gravity and radiation? The Science Book presents the fascinating story behind these and other of the world's most important concepts in maths, chemistry, physics and biology in plain English, with easy to grasp "mind maps" and eye-catching artworks. Albert Einstein once quoted Isaac Newton: "If I have seen further than others, it is by standing on the shoulders of giants." Follow context panels in The Science Book to trace how one scientist's ideas informed the next. See, for example, how Alan Turing's "universal computing machine" in the 1940s led to smart phones, or how Carl Linnaeus's classifications led to Darwin's theory of evolution, the sequencing of the human genome and lifesaving gene therapies. Part of the popular Big Ideas series, The Science Book is the perfect way to explore this fascinating subject. Series Overview: Big Ideas Simply Explained series uses creative design and innovative graphics along with straightforward and engaging writing to make complex subjects easier to understand. With over 7 million copies worldwide sold to date, these award-winning books provide just the information needed for students, families, or anyone interested in concise, thought-provoking refreshers
on a single subject. Interactive Notebooks: Science for grade 2 is a fun way to teach and reinforce effective note taking for students. Students become a part of the learning process with activities about plant and animal needs, life cycles, matter, sound, the moon, the water cycle, and more! --This book is an essential resource that will guide you through setting up, creating, and maintaining interactive notebooks for skill retention in the classroom. High-interest and hands-on, interactive notebooks effectively engage students in learning new concepts. Students are encouraged to personalize interactive notebooks to fit their specific learning needs by creating fun, colorful pages for each topic. With this note-taking process, students will learn organization, color coding, summarizing, and other important skills while creating personalized portfolios of their individual learning that they can reference throughout the year. --Spanning grades kindergarten to grade 8, the Interactive Notebooks series focuses on grade-specific math, language arts, or science skills. Aligned to meet current state standards, every 96-page book in this series offers lesson plans to keep the process focused. Reproducibles are included to create notebook pages on a variety of topics, making this series a fun, one-of-a-kind learning experience. This is the first comprehensive overview of the exciting field of the 'science of science'. With anecdotes and detailed, easy-to-follow explanations of the research, this book is accessible to all scientists, policy makers, and administrators with an interest in the wider scientific enterprise. Modern information and communication technologies, together with a cultural upheaval within the research community, have profoundly changed research in nearly every aspect. Ranging from sharing and discussing ideas in social networks for scientists to new collaborative environments and novel publication formats, knowledge creation and dissemination as we know it is experiencing a vigorous shift towards increased transparency, collaboration and accessibility. Many assume that research workflows will change more in the next 20 years than they have in the last 200. This book provides researchers, decision makers, and other scientific stakeholders with a snapshot of the basics, the tools, and the underlying visions that drive the current scientific (r)evolution, often called ‘Open Science.’ Cultivate a love for science by providing standards-based practice that captures children’s attention. Spectrum Science for grade 3 provides interesting informational text and fascinating facts about elements, compounds, irrigation, animal habitats, and the invention of radio. When children develop a solid understanding of science, they're preparing for success. Spectrum Science for grades 3-8 improves scientific literacy and inquiry skills through an exciting exploration of natural, Earth, life, and applied sciences. With the help of this best-selling series, your little scientist can discover and appreciate the extraordinary world that surrounds them! Plant a seed of interest in science and watch it grow! Your budding scientist is sure to enjoy learning about weather, plants, insects, reptiles, birds, mammals, and more through informative activities and hands-on experiments such as "condensation on a can" or a model for air pressure. They can make their
very own rainbow on a sunny day or be a "flake detective" on the next snowy day. Build a pinecone bird feeder, separate fact from superstition, power through themed mazes, or break the "spider code." Develop vocabulary and reading comprehension skills, and also find suggestions for subject-related storybooks and informational books. Fun facts and the occasional riddle add to the joy. What a great STEM friend! Interactive Notebooks: Science for grade 5 is a fun way to teach and reinforce effective note taking for students. Students become a part of the learning process with activities about ecosystems, body systems, physical and chemical changes, weather, Earth's crust, natural resources, and more! -- This book is an essential resource that will guide you through setting up, creating, and maintaining interactive notebooks for skill retention in the classroom. High-interest and hands-on, interactive notebooks effectively engage students in learning new concepts. Students are encouraged to personalize interactive notebooks to fit their specific learning needs by creating fun, colorful pages for each topic. With this note-taking process, students will learn organization, color coding, summarizing, and other important skills while creating personalized portfolios of their individual learning that they can reference throughout the year. -- Spanning grades kindergarten to grade 8, the Interactive Notebooks series focuses on grade-specific math, language arts, or science skills. Aligned to meet current state standards, every 96-page book in this series offers lesson plans to keep the process focused. Reproducibles are included to create notebook pages on a variety of topics, making this series a fun, one-of-a-kind learning experience. Cambridge Primary Science is a flexible, engaging course written specifically for the Cambridge Primary Science curriculum framework. This Activity Book for Stage 5 contains exercises to support each topic in the Learner's Book, which may be completed in class or set as homework. Exercises are designed to consolidate understanding, develop application of knowledge in new situations, and develop Scientific Enquiry skills. There is also an exercise to practise the core vocabulary from each unit. These all-inclusive skills resources provide the focused practice students need to apply, reinforce, and review skills in reading, math, and test-taking. Answer key included. Introduce kids to real science. Foundational scientific concepts and terminology are made easy to understand. Year-long curriculum has 4 chapters each of 5 scientific disciplines (chemistry, biology, physics, geology, and astronomy). Full color textbook with many graphics to reinforce the concepts presented and make the book fun to read. It has long been recognized that science is the pursuit of knowledge, knowledge is power, and power is political. However, the fantasy of science being apolitical is a hallmark legacy of the enlightenment era, an era that romanticized pursuit of knowledge, disconnected from the baggage of power, politics, and dogmatic assertions. Yet, while the age of information has exponentially increased our access to knowledge, we can see, as clearly as ever, that scientific knowledge is neither apolitical nor dogma-free, and it certainly is not disconnected from power. It is hard to imagine another era when the separation between science and politics has been this blurred as it is today. At the same time, it is true that no other topic than climate change has been so politically charged, with one side dominating the scientific narration and branding anyone opposing the mainstream as a "climate change denier," and the other standing in staunch defiance that climate change exists. In an age of political and scientific turmoil, how can we navigate our way to coming towards a more objective understanding of the scientific issues surrounding the climate change debate? This book presents the current debate of climate change as scientifically futile, on both sides of the scientific, and often, political, spectrum. The climate change debate has become like obesity, cancer, diabetes or opioid addiction, which is to say that the debate should not be if these maladies exist, but rather, what causes them. Instead of looking for the cause and making adjustments to remove those causes from our lifestyle, a combination of the capitalist drive towards mass production and a lack of identifying the roots of the problems, new solutions, or substitutes, have been proposed as "quick fixes" to the problems. This book identifies the root causes of climate change and shows that climate change is real and it is also preventable, but that it can be reversed only if we stop introducing pollutants in the ensuing greenhouse gases. The book brings back common sense and grounds
scientists to the fundamentals of heat and mass transfer, while at the same time disconnecting politicking and hysteria from true scientific analysis of the phenomenon of global climate. Provides an in-depth look at science, policy, and management in the water sector across the globe. Sustainable water management is an increasingly complex challenge and policy priority facing global society. This book examines how governments, municipalities, corporations, and individuals find sustainable water management pathways across competing priorities of water for ecosystems, food, energy, economic growth, and human consumption. It looks at the current politics and economics behind the management of our freshwater ecosystems and infrastructure and offers insightful essays that help stimulate more intense and informed debate about the subject and its need for local and international cooperation.

This book celebrates the 15-year anniversary of Oxford University’s MSc course in Water Science, Policy, and Management. Edited and written by some of the leading minds in the field, writing alongside alumni from the course, Water Science, Policy and Management: A Global Challenge offers in-depth chapters in three parts: Science; Policy; and Management. Topics cover: hydroclimatic extremes and climate change; the past, present, and future of groundwater resources; water quality modelling, monitoring, and management; and challenges for freshwater ecosystems. The book presents critical views on the monitoring and modelling of hydrological processes; the rural water policy in Africa and Asia; the political economy of wastewater in Europe; drought policy management and water allocation. It also examines the financing of water infrastructure; the value of wastewater; water resource planning; sustainable urban water supply and the human right to water. Features perspectives from some of the world’s leading experts on water policy and management. Identifies and addresses current and future water sector challenges. Charts water policy trends across a rapidly evolving set of challenges in a variety of global areas. Covers the reallocation of water; policy process of risk management; the future of the world’s water under global environmental change; and more. Water Science, Policy and Management: A Global Challenge is an essential book for policy makers and government agencies involved in water management, and for undergraduate and postgraduate students studying water science, governance, and policy. Cultivate a love for science by providing standards-based practice that captures children’s attention. Spectrum Science for grade 3 provides interesting informational text and fascinating facts about elements, compounds, irrigation, animal habitats, and the invention of radio. When children develop a solid understanding of science, they are preparing for success. Spectrum Science for grades 3-8 improves scientific literacy and inquiry skills through an exciting exploration of natural, Earth, life, and applied sciences. With the help of this best-selling series, your little scientist can discover and appreciate the extraordinary world that surrounds them! Jam-packed with hundreds of curriculum-based activities, exercises, and games in every subject, Brain Quest Grade 4 Workbook reinforces what kids are learning in the classroom. The workbook’s lively layout and easy-to-follow explanations make learning fun, interactive, and concrete. Plus it’s written to help parents follow and explain key concepts. Includes language arts, word searches and crosswords, idea clusters, multiplication and division, story problems, geometry, graphs, time lines, Brain Boxes, and much more. These all-inclusive skills resources provide the focused practice students need to apply, reinforce, and review skills in reading, math, and test-taking. Answer key included. This book is designed to expose first and second-grade students to the wonders of science using the ABCs as a guide. Although this book gives a simple approach to science exposure, it will stimulate their curiosity to learn more about the world around them. When students have a burning desire to learn, science is more natural to understand as they move from grade to grade. I hope that this book sparks their interest to ask questions and learn more about the different science topics shown in the pages of this book. At the end of every lesson, students are asked three questions using the words “what,” “why,” and “how” to extend the experience and expand their knowledge base in life science. The common core was used as a guide to complete this series of life science books. The four books in this series include: The ABCs of Science (book 1) The 5 Senses In Science (book 2) Living Things...
Cycles and Patterns (book 4) Connect students in grades 5–8 with science using General Science: Daily Skill Builders. This 96-page book features two short, reproducible activities per page and includes enough lessons for an entire school year. It provides extra practice with physical, earth, space, and life science skills. Activities allow for differentiated instruction and can be used as warm-ups, homework assignments, and extra practice. The book supports National Science Education Standards. An insider’s view of science reveals why many scientific results cannot be relied upon – and how the system can be reformed. Science is how we understand the world. Yet failures in peer review and mistakes in statistics have rendered a shocking number of scientific studies useless – or, worse, badly misleading. Such errors have distorted our knowledge in fields as wide-ranging as medicine, physics, nutrition, education, genetics, economics, and the search for extraterrestrial life. As Science Fictions makes clear, the current system of research funding and publication not only fails to safeguard us from blunders but actively encourages bad science – with sometimes deadly consequences. Stuart Ritchie’s own work challenging an infamous psychology experiment helped spark what is now widely known as the “replication crisis,” the realization that supposed scientific truths are often just plain wrong. Now, he reveals the very human biases, misunderstandings, and deceptions that undermine the scientific endeavor: from contamination in science labs to the secret vaults of failed studies that nobody gets to see; from outright cheating with fake data to the more common, but still ruinous, temptation to exaggerate mediocre results for a shot at scientific fame. Yet Science Fictions is far from a counsel of despair. Rather, it’s a defense of the scientific method against the pressures and perverse incentives that lead scientists to bend the rules. By illustrating the many ways that scientists go wrong, Ritchie gives us the knowledge we need to spot dubious research and points the way to reforms that could make science trustworthy once again. Lesson plans and activities to teach science to elementary level students. Learn about our world, the universe, and groundbreaking discoveries in The Science Book. Part of the fascinating Big Ideas series, this book tackles tricky topics and themes in a simple and easy to follow format. Learn about Science in this overview guide to the subject, great for beginners looking to learn and experts wishing to refresh their knowledge alike! The Science Book brings a fresh and vibrant take on the topic through eye-catching graphics and diagrams to immerse yourself in. This captivating book will broaden your understanding of Science, with: - More than 100 ground-breaking ideas in this field of science - Packed with facts, charts, timelines and graphs to help explain core concepts - A visual approach to big subjects with striking illustrations and graphics throughout - Easy to follow text makes topics accessible for people at any level of understanding The Science Book is the perfect introduction to every area of this topic – astronomy, biology, chemistry, geology, maths, and physics, aimed at adults with an interest in the subject and students wanting to gain more of an overview. Here you’ll discover 80 trail-blazing scientific ideas, which underpin our modern world, giving us everything from antibiotics to gene therapy, electricity to space rockets, and batteries to smart phones. Your Science Questions, Simply Explained What is string theory or black holes? And who discovered gravity and radiation? If you thought it was difficult to learn structure and behavior of the physical and natural world, The Science Book presents key information in a clear layout. Learn about the history of science, covering topics like why Copernicus’s ideas were controversial, how Einstein developed his theories of general and special relativity, and how Crick and Watson suggested a structure for DNA - with fantastic mind maps and step-by-step summaries. The Big Ideas Series With millions of copies sold worldwide, The Science Book is part of the award-winning Big Ideas series from DK. The series uses striking graphics along with engaging writing, making big topics easy to understand. Cultivate a love for science by providing standards-based practice that captures children’s attention. Spectrum Science for grade 4 provides interesting informational text and fascinating facts about energy alternatives, plant and animal classification, and the conservation of matter. --When children develop a solid understanding of science, they’re preparing for success. Spectrum Science for grades 3-8 improves scientific literacy and
inquiry skills through an exciting exploration of natural, earth, life, and applied sciences. With the help of this best-selling series, your little scientist can discover and appreciate the extraordinary world that surrounds them! Interactive Notebooks: Science for kindergarten is a fun way to teach and reinforce effective note taking for students. Students become a part of the learning process with activities about the five senses, plants, animals, physical properties, motion, day and night, and more! This book is an essential resource that will guide you through setting up, creating, and maintaining interactive notebooks for skill retention in the classroom. High-interest and hands-on, interactive notebooks effectively engage students in learning new concepts. Students are encouraged to personalize interactive notebooks to fit their specific learning needs by creating fun, colorful pages for each topic. With this note-taking process, students will learn organization, color coding, summarizing, and other important skills while creating personalized portfolios of their individual learning that they can reference throughout the year. --Spanning grades kindergarten to grade 8, the Interactive Notebooks series focuses on grade-specific math, language arts, or science skills. Aligned to meet current state standards, every 96-page book in this series offers lesson plans to keep the process focused. Reproducibles are included to create notebook pages on a variety of topics, making this series a fun, one-of-a-kind learning experience. Scholastic Early Learners: Introduce preschoolers to the world of science with this full-color workbook full of fun learning activities to spark an early interest in STEAM! Big Book of Science is a full-color workbook that introduces preschoolers to early science topics and encourages them to ask questions about their world. It includes age-appropriate facts and activities that teach basic science concepts, such as senses, life cycles, animals, electricity, and more. Give Pre-K kids a head start on school readiness and build future success with this interactive workbook! A first science workbook for preschoolers! Scholastic Early Learners: The Most Trusted Name in Learning! This open access book provides a broad context for the understanding of current problems of science and of the different movements aiming to improve the societal impact of science and research. The author offers insights with regard to ideas, old and new, about science, and their historical origins in philosophy and sociology of science, which is of interest to a broad readership. The book shows that scientifically grounded knowledge is required and helpful in understanding intellectual and political positions in various discussions on the grand challenges of our time and how science makes impact on society. The book reveals why interventions that look good or even obvious, are often met with resistance and are hard to realize in practice. Based on a thorough analysis, as well as personal experiences in aids research, university administration and as a science observer, the author provides - while being totally open regarding science's limitations- a realistic narrative about how research is conducted, and how reliable ‘objective’ knowledge is produced. His idea of science, which draws heavily on American pragmatism, fits in with the global Open Science movement. It is argued that Open Science is a truly and historically unique movement in that it translates the analysis of the problems of science into major institutional actions of system change in order to improve academic culture and the impact of science, engaging all actors in the field of science and academia. Cultivate a love for science by providing standards-based practice that captures children’s attention. Spectrum Science for grade 8 provides interesting informational text and fascinating facts about the nature of light, the detection of distant planets, and internal combustion engines. --When children develop a solid understanding of science, they are preparing for success. Spectrum Science for grades 3-8 improves scientific literacy and inquiry skills through an exciting exploration of natural, earth, life, and applied sciences. With the help of this best-selling series, your young scientist can discover and appreciate the extraordinary world that surrounds them! Cultivate a love for science by providing standards-based practice that captures children’s attention. Spectrum Science for grade 7 provides interesting informational text and fascinating facts about homeostasis, migration, cloning, and acid rain. --When children develop a solid understanding of science, they are preparing for success. Spectrum
Science for grades 3-8 improves scientific literacy and inquiry skills through an exciting exploration of natural, earth, life, and applied sciences. With the help of this best-selling series, your young scientist can discover and appreciate the extraordinary world that surrounds them! Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, R for Data Science is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You’ll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to: Wrangle—transform your datasets into a form convenient for analysis Program—learn powerful R tools for solving data problems with greater clarity and ease Explore—examine your data, generate hypotheses, and quickly test them Model—provide a low-dimensional summary that captures true “signals” in your dataset Communicate—learn R Markdown for integrating prose, code, and results Physical Science for grades 5 to 12 is designed to aid in the review and practice of physical science topics. Physical Science covers topics such as scientific measurement, force and energy, matter, atoms and elements, magnetism, and electricity. The book includes realistic diagrams and engaging activities to support practice in all areas of physical science. --The 100+ Series science books span grades 5 to 12. The activities in each book reinforce essential science skill practice in the areas of life science, physical science, and earth science. The books include engaging, grade-appropriate activities and clear thumbnail answer keys. Each book has 128 pages and 100 pages (or more) of reproducible content to help students review and reinforce essential skills in individual science topics. The series is aligned to current science standards.

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