



ThinkUp!TM SCIENCE

to support instruction for
TEKS LEVEL 8

Reporting Category 1: **Matter and Energy**

| <i>Title — Author</i> | <i>My Notes</i> |
|---|-----------------|
| <i>Atomic Structure and Chemical Reactions – Nevin Katz</i> | |
| <i>Chemistry – Dr. Ann Newmark</i> | |
| <i>Atomic and Molecular Structure – Joel Chaffee</i> | |
| <i>Atoms and Molecules – Molly Aloian</i> | |
| <i>The Elements: A Visual Exploration of Every Known Atom in the Universe – Theodore Gray</i> | |
| <i>What Are Atoms? – Lisa Trumbauer</i> | |
| <i>The Adventures of Adam the Atom – Casey Waid</i> | |
| <i>The Periodic Table: Elements with Style! – Simon Basher and Adrian Dingle</i> | |
| <i>The Periodic Table – Salvatore Tocci</i> | |
| <i>The Dynamic World of Chemical Reactions with Max Axiom, Super Scientist – Agnieszka Biskup</i> | |
| <i>Chemical Reactions – Eve Hartman and Wendy Meshbesher</i> | |
| <i>Chemical Changes – Lynette Brent</i> | |
| <i>Food Chains and Webs (The Web of Life) – Andrew Solway</i> | |
| <i>At Home with the Gopher Tortoise: The Story of a Keystone Species – Madeleine Dunphy</i> | |
| <i>DK Eyewitness Books: Chemistry – Dr. Ann Newmark</i> | |
| <i>Chemical Changes (Why Chemistry Matters) – Lynette Brent</i> | |
| <i>Chemistry, Grades 6–12: Physical and Chemical Changes in Matter (Expanding Science Skills) – Barbara R. Sandall, ED.D.</i> | |
| <i>The Temperate Forest: A Web of Life – Philip Johansson</i> | |
| <i>The Properties of Elements and Compounds (Sci-Hi: Physical Science) – Lisa Hill</i> | |
| <i>Elements and Compounds (Why Chemistry Matters) – Lynette Brent</i> | |
| <i>The Periodic Table: Elements with Style! – Simon Basher and Adrian Dingle</i> | |
| <i>The Elements: A Visual Exploration of Every Known Atom in the Universe – Theodore Gray and Nick Mann</i> | |
| <i>Properties of Matter – Aaron Carr and Lesley Evans Ogden</i> | |
| <i>Measuring Area, Volume, and Density – Barbara A. Sommerville</i> | |

Reporting Category 2: **Force, Motion, and Energy**

| <i>Title — Author</i> | <i>My Notes</i> |
|--|-----------------|
| <i>Force & Motion – Peter Lafferty</i> | |
| <i>Forces and Motion – Casey Rand</i> | |
| <i>Forces and Motion – Nevin Katz</i> | |
| <i>Uncovering Student Ideas in Physical Science: 45 NEW Force and Motion Assessment Probes – Page Keeley and Rand Harrington</i> | |
| <i>Forms of Energy (Sci-Hi: Physical Science) – Anna Claybourne</i> | |
| <i>Kinetic Energy: The Energy of Motion (Exploring Science: Physical Science series) – Don Nardo</i> | |
| <i>Kinetic and Potential Energy: Understanding Changes Within Physical Systems (Library of Physics) – Jennifer Viegas</i> | |
| <i>Eyewitness: Force & Motion – Peter Lafferty</i> | |
| <i>Forces and Motion (Sci-Hi: Physical Science) – Casey Rand</i> | |
| <i>Forces and Motion: Middle and High School (Dr. Birdley Teaches Science) – Nevin Katz</i> | |
| <i>Uncovering Student Ideas in Physical Science, Vol. 1: 45 NEW Force and Motion Assessment Probes – Page Keeley and Rand Harrington</i> | |
| <i>Minds on Physics: Motion, Activities and Reader – William Leonard, Rob Dufresne, and William Gerace</i> | |
| <i>Energy Transfers – Nigel Saunders and Steven Chapman</i> | |
| <i>Nuclear Power: How a Nuclear Power Plant Really Works! – Amelia Frahm</i> | |
| <i>Hydroelectric Power: Power from Moving Water (Energy Revolution) – Marguerite Rodger</i> | |
| <i>Exploring Energy with Toys: Complete Lessons for Grades 4–8 – Beverley A. P. Taylor</i> | |

Reporting Category 3: **Earth and Space**

| <i>Title — Author</i> | <i>My Notes</i> |
|---|-----------------|
| <i>The Reasons for Seasons – Gail Gibbons</i> | |
| <i>Arctic Lights, Arctic Nights – Debbie S. Miller</i> | |
| <i>Uncovering Student Ideas in Astronomy: 45 New Formative Assessment Probes – Page Keeley and Cary Sneider</i> | |
| <i>Footprints on the Moon – Alexandra Siy</i> | |
| <i>Moonstick: The Seasons of the Sioux – Eve Bunting</i> | |
| <i>The Moon Book – Gail Gibbons</i> | |
| <i>Reaching for the Moon – Buzz Aldrin</i> | |
| <i>When the Moon is Full: A Lunar Year – Penny Pollock</i> | |
| <i>Moon Tales – Rina Singh</i> | |
| <i>Earth Science – Phil Medina</i> | |
| <i>Why Do Oceans Have Tides? – Marian B. Jacobs, Ph.D.</i> | |
| <i>On the Day You Were Born – Debra Frasier</i> | |
| <i>Oceans – Seymour Simon</i> | |
| <i>Sam, Bangs & Moonshine – Evaline Ness</i> | |
| <i>The Universe – Seymour Simon</i> | |
| <i>One Small Square: The Night Sky – Donald M. Silver</i> | |
| <i>Destination: Space – Seymour Simon</i> | |
| <i>Astronomy – Kristen Lippincott</i> | |
| <i>Sun – Steve Tomecek</i> | |
| <i>Look to the Stars – Buzz Aldrin</i> | |
| <i>Tycho Brahe: Pioneer of Astronomy – Don Nardo</i> | |
| <i>Stephen Hawking: Breaking the Boundaries of Time and Space – John Bankston</i> | |
| <i>The Universe – Seymour Simon</i> | |
| <i>Stars – Seymour Simon</i> | |
| <i>Destination: Space – Seymour Simon</i> | |
| <i>Plate Tectonics – Rebecca L. Johnson</i> | |
| <i>Planet Earth/Inside Out – Gail Gibbons</i> | |

Reporting Category 3: **Earth and Space** *cont.*

| <i>Title — Author</i> | <i>My Notes</i> |
|--|-----------------|
| <i>Plate Tectonics</i> – Alvin Silverstein, Virginia Silverstein, and Laura Silverstein Nunn | |
| <i>Alfred Wegener: Creator of the Continental Drift Theory</i> – Lisa Yount | |
| <i>Building Planet Earth: Five Billion Years of Earth History</i> – Peter Cattermole | |
| <i>Earthshake: Poems from the Ground Up</i> – Lisa Westberg Peters | |
| <i>Plate Tectonics</i> – Rebecca L. Johnson | |
| <i>Earthquakes</i> – Mark Maslin | |
| <i>Earth's Fiery Fury</i> – Sandra Downs | |
| <i>Topographic Mapping Skills for Secondary Students</i> – Grant Kleeman | |
| <i>Weathering and Erosion</i> – Clive Gifford | |
| <i>Waves, Tides and Currents</i> – Daniel Rogers | |
| <i>Earth Science: Reviewing the Essentials</i> – Thomas McGuire | |
| <i>El Nino: Stormy Weather for People and Wildlife</i> – Caroline Arnold | |
| <i>The Perfect Storm: A True Story of Men Against the Sea</i> – Sebastian Junger | |
| <i>The Mayflower and the Pilgrims' New World</i> – Nathaniel Philbrick | |
| <i>Hurricanes: Earth's Mightiest Storms</i> – Patricia Lauber | |
| <i>Storms</i> – Seymour Simon | |
| <i>The Magic School Bus: Inside a Hurricane</i> – Joanna Cole | |
| <i>Divine Wind: The History and Science of Hurricanes</i> – Kerry Emanuel | |
| <i>A River Ran Wild</i> – Lynne Cherry | |
| <i>The Planets</i> – Gail Gibbons | |
| <i>The Grand Tour: A Traveler's Guide to the Solar System</i> – Ron Miller and William K. Hartmann | |
| <i>Solar System: A Visual Exploration of All the Planets, Moons and Other Heavenly Bodies that Orbit Our Sun</i> – Marcus Chown | |
| <i>The Nature of Planets, Dwarf Planets, and Space Objects</i> – Michael Anderson | |
| <i>Rachel: The Story of Rachel Carson</i> – Amy Ehrlich | |

Reporting Category 4: **Organisms and Environments**

| <i>Title — Author</i> | <i>My Notes</i> |
|---|-----------------|
| <i>Ecology – Steve Pollock</i> | |
| <i>Ecosystems – Angela Wagner</i> | |
| <i>Life in a Wetland – Melissa Stewart</i> | |
| <i>Project Seahorse – Pamela S. Turner</i> | |
| <i>Journey into the Rainforest – Tim Knight</i> | |
| <i>Climate Change: Shifting Glaciers, Deserts, and Climate Belts – Timothy Kusky, Ph.D.</i> | |
| <i>Adaptation and Survival – Robert Snedden</i> | |
| <i>Nobody Particular: One Woman’s Fight to Save the Bays – Molly Bang</i> | |
| <i>The Sea: Exploring Life on an Ocean Planet – Adapted by Robert Burleigh</i> | |
| <i>Rachel Carson: Pioneer of Ecology – Kathleen V. Kudlinski</i> | |
| <i>The Secret Life of Fishes: From Angels to Zebras on the Coral Reef – Helen Buttfield</i> | |
| <i>A Walk on the Great Barrier Reef – Caroline Arnold</i> | |
| <i>Plant and Animal Cells: Understanding the Differences Between Plant and Animal Cells (The Library of Cells) – Judy Yablonski</i> | |
| <i>Animal Cells and Life Processes (Investigating Cells) – Barbara A. Somervill</i> | |
| <i>Plant Cells and Tissues (The Green World) – Nicholas Stephens</i> | |
| <i>Cell Biology (Science Made Simple) – Aubrey Stimola</i> | |
| <i>How the Forest Grew – William Jaspersohn</i> | |
| <i>A Forest’s Life: From Meadow to Mature Woodland – Cathy Mania and Robert Mania</i> | |
| <i>Fire in the Forest: A Cycle of Growth and Renewal – Laurence Pringle</i> | |
| <i>Fire: Friend or Foe – Dorothy Hinshaw Patent</i> | |
| <i>An Introduction to the Aquatic Insects of North America – Edited by R. W. Merritt and K. W. Cummins</i> | |
| <i>Tree Finder: A Manual for the Identification of Trees by Their Leaves – May Theilgaard Watts</i> | |
| <i>The Bees of the World – Charles D. Michener</i> | |
| <i>Flower Finder: A Guide to the Identification of Spring Wild Flowers and Flower Families – May Theilgaard Watts</i> | |
| <i>Darwin and the Beagle – Alan Moorehead</i> | |
| <i>Charles Darwin: The Life of a Revolutionary Thinker – Dorothy Hinshaw Patent</i> | |
| <i>How the Wolf Became the Dog – John Zeaman</i> | |

Reporting Category 4: **Organisms and Environments** *cont.*

| <i>Title — Author</i> | <i>My Notes</i> |
|--|-----------------|
| <i>Blood, Bones and Body Bits</i> – Nick Arnold | |
| <i>The Concise Encyclopedia of the Human Body</i> – David Burnie | |
| <i>Encyclopedia of the Human Body</i> – Richard Walker | |
| <i>Human Anatomy in Full Color</i> – John Green | |
| <i>Hidden Worlds: Looking Through a Scientist's Microscope</i> – Stephen Kramer | |
| <i>What Is Cell Theory? (Shaping Modern Science)</i> – Marina Cohen | |
| <i>Cells (Science Concepts)</i> – Alvin Silverstein, Virginia Silverstein, and Laura Silverstein Nunn | |
| <i>A Closer Look at Plant Reproduction, Growth, and Ecology (Introduction to Biology)</i> – Edited by Michael Anderson | |
| <i>Animal Life (American Museum of Natural History)</i> – DK Publishing | |
| <i>Fungi: Mushrooms, Toadstools, Molds, Yeasts, and Other Fungi (A Class of Their Own)</i> – Judy Wearing | |
| <i>Blame Your Parents: Inherited Traits</i> – Buffy Silverman | |
| <i>Gregor Mendel: The Friar Who Grew Peas</i> – Cheryl Bardoe | |
| <i>Jurassic Park</i> – Michael Crichton | |
| <i>Genes & DNA (Kingfisher Knowledge)</i> – Richard Walker | |
| <i>A Closer Look at the Animal Kingdom (Introduction to Biology)</i> – Sherman Hollar | |
| <i>Plant Kingdom (Classification)</i> – Theresa Greenaway | |
| <i>The Kingdom Fungi: The Biology of Mushrooms, Molds, and Lichens</i> – Steven L. Stephenson | |
| <i>Protists: Algae, Amoebas, Plankton, and Other Protists (Class of Their Own)</i> – Rona Arato | |
| <i>Archaea: Salt-Lovers, Methane-Makers, Thermophiles, and Other Archaeans (Class of Their Own)</i> – David M. Barker | |
| <i>Bacteria: Staph, Strep, Clostridium, and Other Bacteria (Class of Their Own)</i> – Judy Wearing | |

