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Benchmarks for Science Literacy — American Association for the Advancement of Science. The association's Project 2061 — comprising teachers from across the country working to establish scientific literacy among students in kindergarten through grade 12 — is designed to help teachers establish an effective scientific curriculum. As a follow-up to its first release, *Science for All Americans*, this collection of "benchmarks" provides educators with certain goals that students should attain in every area of science, technology, and mathematics by the end of grades 2, 5, 8, and 12. Oxford U Pr, 1993, 418 p., paperback, \$21.95.

The Best Toys, Books, and Videos for Kids: The 1994 Guide to 1,000+ Kid-Tested, Classic, and New Products for Ages 0-10 — Joanne Oppenheim and Stephanie Oppenheim. The authors of "The Oppenheim Toy Portfolio," a consumer newsletter, compiled a listing of the best name-brand products on the market for children. Entries are grouped by age range, and most contain telephone numbers for locating the item, as well as approximate price. Particularly useful are ideas for birthday gifts in different price ranges and shopping tips for selecting the product best suited to an individual child. Harper-Perennial, 1993, 332 p., b&w illus., paperback, \$12.00.

Genius: The Life and Science of Richard Feynman — James Gleick. The author of *Chaos* records the life of the Nobel Laureate whose work gave physicists a new way of describing and calculating the interactions of subatomic particles. He follows Feynman from his childhood in Far Rockaway, N.Y., to MIT, Princeton, Los Alamos, Cornell, and Caltech, describing his ambitions, his periods of despair and uncertainty, and his intense, emotional nature. Originally published in hardcover in 1992. Vin, 1993, 531 p., b&w photos, paperback, \$14.00.

The Lives of Birds: Birds of the World and Their Behavior — Lester L. Short. Emperor penguins huddling together can increase the temperature between their bodies by 20°F, thus warming their young. Cattle egrets thrive by following grazing mammals that arouse grasshoppers and other insect foods for these birds. In this comprehensive overview of the intricacies of bird behavior, Short details these discoveries and numerous other specific instincts regarding feeding, nesting, migration, nurturing of young, and socialization from birth onward. This is the first in a series of animal behavior books to be produced by the American Museum of Natural History. H Holt & Co, 1993, 256 p., b&w illus. and color plates, hardcover, \$25.00.

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The Macmillan Visual Desk Reference — The Diagram Group. An especially handy tool for anyone wanting to clearly grasp basic concepts, as virtually every entry is illustrated with a simple diagram — from the shapes of leaves and alphabet characters (including Egyptian hieroglyphics), to the human heart and maneuvers in wrestling. Entries are grouped into eight categories (the physical world, science and technology, communications, history, the arts, religion and philosophy, body and health, and sports) and are cross-referenced in an alphabetical guide in order to teach complete concepts rather than just terminology. Macmillan, 1993, 608 p., b&w illus., hardcover, \$29.95.

The Making of Memory: From Molecules to Mind — Steven Rose. A neuroscientist guides the reader through the process and realizations of his research into the biology of the mind. Memory metaphors of Greek and Roman theater help Rose illustrate theories of memory that he follows into modern times. He elaborates on the strengths and limitations of human memory to illustrate his theory of memory as a biological feature and uses results from his research to enhance this idea and unlock the mystery of the interworkings of memory, mind, and brain. Originally published in hardcover in 1992. Anchor, 1993, 355 p., b&w photos & illus., paperback, \$12.95.

Reinventing the Future: Conversations with the World's Leading Scientists — Thomas A. Bass. A collection of interviews with 11 scientists who are pioneers in their respective fields: Sarah Hrdy, Luc Montagnier, James Black, Thomas Adeoye Lambo, Etienne-Emile Baulieu, Richard Dawkins, Farouk El-Baz, Bert Sakmann, Jonathan Mann, Norman Packard, and Mary-Claire King. Bass' pointed questions about the lives, careers, accomplishments, and controversies of his subjects are answered openly, offering in-depth looks into his subjects' personalities and work. Addison-Wesley, 1994, 249 p., b&w photos, hardcover, \$24.95.

The Secret of Life: Redesigning the Living World — Joseph Levine and David Suzuki. In this companion to the PBS series of the same name, the authors expound upon the most important areas of the growing field of molecular biology. An introduction to DNA — what it is, how it functions, how it can fail, and its role in evolution — opens the door to more controversial issues surrounding this fast-breaking field. Genetic engineering, for example, can protect strawberries from frost but can also determine which of our species is weak or deficient. WGBH Ed Found, 1993, 280 p., color plates, hardcover, \$24.95.

The World of John Burroughs — Edward Kanze. After reading Burroughs' journals and essays, Kanze began documenting the life of this early conservationist and photographing the land and animals he wrote about so eloquently for more than 50 years. Those photographs, in addition to some from the Burroughs family collection, illustrate this intriguing biography of a naturalist so influential he counted Presidents and industrialists among his friends and inspired all people to appreciate the natural world surrounding them. Abrams, 1993, 160 p., b&w and color photos, hardcover, \$45.00.