

**ARIZONA FOUNDATION FOR RESOURCE EDUCATION (AFRE)
RESOURCE LIBRARY**

Recommended Readings: Natural Resources

COPPER: THE MIGHTY METAL, ARIZONA'S GIFT TO THE WORLD
By Gail Lichtenhan

The story of copper is the subject of this book. The formation of copper deposits, the ways copper is processed, its history, its uses, the economics, environmental issues, and careers in the copper industry are discussed. A glossary is included. Upper Elementary and Middle School. [Arizona Mining Association, 2001, 41 pages.]

EXPLORING OPPORTUNITIES: CAREERS IN THE MINERALS INDUSTRY

This book answers the question, "Is a career in the mining industry for me?" Explores opportunities in geology, mineral processing, environmental science, and health and safety. Excellent career reference guide for teachers and students. Includes top ten benefits of a career in the minerals industry. Elementary to High School. [SME, 1999, 15 pages.]

METAL MINING AND THE ENVIRONMENT
By Travis L. Hudson

Excellent discussion of all major aspects of mining and their relationship to the environment. Details environmental concerns and discusses current ways of remediation; includes glossary. Middle School to Adult. [American Geological Institute, 1999, 64 pages.]

DESERT WATERS: FROM ANCIENT AQUIFERS TO MODERN DEMANDS

Water is rare in the desert and this comprehensive book provides an excellent survey of the challenges found as Arizona urbanizes our arid landscape. Clear diagrams, colorful photos, and text include history, hydrology and the social issues present. A perfect background text for Arizona's water issues. Middle School to Adult. [AZ-Sonora Desert Museum Press, 1998, 22 pages.]

GROUNDWATER: A PRIMER
By John Moore

If you are teaching anything about this vital resource, you'll want this book! In layman's terms, you will gain a very adequate background in hydrogeological science while studying the very clear and simple illustrations. An excellent glossary and resource guide are included. Educators K-12, Grades 4-12. [American Geological Institute, with AIH and IAH, 1995, 54 pages.]

WATER AND THE ENVIRONMENT

A detailed guide to “The Water Planet.” In non-technical language, you’ll cover the basics of hydrology combined with environmental concerns and water management practices. Excellent and colorful diagrams and photographs make this an excellent up-to-date resource for the science teacher. With poster. Middle School through Adult. [American Geological Institute, 2002, 64 pages.]

HOMES: AROUND THE WORLD

By Bobbie Kalman

Real world photographs of homes and families around the globe. Basic text with good vocabulary development, your English Language Learners would benefit, as well as any social studies unit on communities. Excellent introduction to comparing and contrasting for your young learners. Primary, ++ELL. [Crabtree Publications, 1994, 32 pages.]

A HOUSE IS A HOUSE FOR ME

By Mary Ann Hoberman

Fully illustrated children’s book that lists in rhyme the dwellings of various animals and things. [Puffin Books, 48 pages.]

WHAT IS A COMMUNITY? FROM A TO Z

By Bobbie Kalman

This informative book discusses the common aspects shared by most communities: people, culture, government, economy, buildings, services, and transportation. The book highlights different kinds of communities and discusses how the physical features of their location impact their way of life. It also looks at how communities are interdependent and reminds children that planet Earth is their most important community. [Crabtree Publications, 1994, 32 pages.]

BUILDING HOMES OF OUR OWN

Interactive CD-ROM with Teacher's Guide

Realistic simulation of the actual home building process, this CD uses real products and procedures to give the student an authentic experience. A variety of materials and building techniques are covered, and students are allowed to explore in an open-ended way and to problem solve. (Windows 98 operating system; needs minimum of 64 MB RAM.) Grades 6-12. [National Association of Home Builders, 2002, Teachers Guide 190 pages.]

EXCELLENCE IN ENVIRONMENTAL EDUCATION: GUIDELINES FOR LEARNING

This four-book bundle offers a vision of environmental education and promoted progress toward sustaining a healthy environment and quality of life. The guidelines are organized into four strands, each of which represents a broad aspect of education and its goal of environmental literacy. Grades Pre K-12. [North American Association for Environmental Education, 2004.]

HISTORICAL ATLAS OF ARIZONA

By Henry Walker and Don Bufkin

Book with 65 accurate and readable maps on which the authors illustrate the social, economic, political, and natural history of Arizona. Each map is accompanied by explanatory text. Includes the history of mining, military, railroads, Native American tribes, agriculture, travel, and Spanish land grants. Contains an extensive bibliography and index. Middle School and High School. [University of Oklahoma Press, 1986, 2nd edition, 145 pages.]

ADVENTURES IN GEOLOGY

By Jack Hassard

Written by a professor of science education, this publication aims to produce successful science learners through the study of geology. You'll find nine lessons on basic geology with adequate background information for teachers as well as students, and suggestions for hands-on lessons easily duplicated for your classroom. Grades 3-8. [American Geological Institute, 1990, 34 pages.]

DR. ART'S GUIDE TO PLANET EARTH FOR EARTHLINGS AGES 12 TO 120

By Art Sussman, Ph. D.

Dr. Art Sussman uses understandable language to describe and discuss earth's systems, cycles, and stuff to lay the case for responsible individual and societal attitudes and action to determine the course of our planet's future. Each chapter includes Internet links and activities to reinforce the topic presented. Middle School to Adult. [Chelsea Green Publishing, WestEd, 2000, 122 pages.]

HOW THE EARTH WORKS – 100 WAYS PARENTS AND KIDS CAN SHARE THE SECRETS OF THE EARTH

By John Farndon

This book is a stimulating introduction to the secrets of planet Earth. Packed with hundreds of practical experiments and demonstrations using readily available materials this is a fun, factual, and easy-to-understand way to find out about our world. Upper Elementary to Adult. [Reader's Digest, 1992, 192 pages.]