



# **Ecology DISCOVERY ACTIVITIES KIT**

**A Complete Teaching Unit  
for Grades 4-8**

Including 49 ready-to-use lessons  
with worksheets to help students develop  
science process skills and  
basic ecology concepts in grades 4-8.

**Janet R. Galle / Patricia A. Warren**  
Illustrated by Arek W. Galle

The Center for Applied Research in Education

# Ecology Discovery Activities Kit A Complete Teaching Unit For Grades 4 8

**Rosina Ehmann**



## **Ecology Discovery Activities Kit A Complete Teaching Unit For Grades 4 8:**

**Ecology Discovery Activities Kit** Janet Galle, Patricia Warren, 1989 Grade level 4 5 6 7 8 e i s t      **Resources for Teaching Elementary School Science** National Science Resources Center of the National Academy of Sciences and the Smithsonian Institution, 1996-04-28 What activities might a teacher use to help children explore the life cycle of butterflies What does a science teacher need to conduct a leaf safari for students Where can children safely enjoy hands on experience with life in an estuary Selecting resources to teach elementary school science can be confusing and difficult but few decisions have greater impact on the effectiveness of science teaching Educators will find a wealth of information and expert guidance to meet this need in *Resources for Teaching Elementary School Science* A completely revised edition of the best selling resource guide *Science for Children* *Resources for Teachers* this new book is an annotated guide to hands on inquiry centered curriculum materials and sources of help in teaching science from kindergarten through sixth grade Companion volumes for middle and high school are planned The guide annotates about 350 curriculum packages describing the activities involved and what students learn Each annotation lists recommended grade levels accompanying materials and kits or suggested equipment and ordering information These 400 entries were reviewed by both educators and scientists to ensure that they are accurate and current and offer students the opportunity to Ask questions and find their own answers Experiment productively Develop patience persistence and confidence in their own ability to solve real problems The entries in the curriculum section are grouped by scientific area Life Science Earth Science Physical Science and Multidisciplinary and Applied Science and by type core materials supplementary materials and science activity books Additionally a section of references for teachers provides annotated listings of books about science and teaching directories and guides to science trade books and magazines that will help teachers enhance their students science education *Resources for Teaching Elementary School Science* also lists by region and state about 600 science centers museums and zoos where teachers can take students for interactive science experiences Annotations highlight almost 300 facilities that make significant efforts to help teachers Another section describes more than 100 organizations from which teachers can obtain more resources And a section on publishers and suppliers give names and addresses of sources for materials The guide will be invaluable to teachers principals administrators teacher trainers science curriculum specialists and advocates of hands on science teaching and it will be of interest to parent teacher organizations and parents      *The Science Teacher* ,1998 Some issues are accompanied by a CD ROM on a selected topic      *Resources for Teaching Middle School Science* Smithsonian Institution, National Academy of Engineering, National Science Resources Center of the National Academy of Sciences, Institute of Medicine, 1998-04-30 With age appropriate inquiry centered curriculum materials and sound teaching practices middle school science can capture the interest and energy of adolescent students and expand their understanding of the world around them *Resources for Teaching Middle School Science* developed by the National Science Resources

Center NSRC is a valuable tool for identifying and selecting effective science curriculum materials that will engage students in grades 6 through 8 The volume describes more than 400 curriculum titles that are aligned with the National Science Education Standards This completely new guide follows on the success of Resources for Teaching Elementary School Science the first in the NSRC series of annotated guides to hands on inquiry centered curriculum materials and other resources for science teachers The curriculum materials in the new guide are grouped in five chapters by scientific area Physical Science Life Science Environmental Science Earth and Space Science and Multidisciplinary and Applied Science They are also grouped by type core materials supplementary units and science activity books Each annotation of curriculum material includes a recommended grade level a description of the activities involved and of what students can be expected to learn a list of accompanying materials a reading level and ordering information The curriculum materials included in this book were selected by panels of teachers and scientists using evaluation criteria developed for the guide The criteria reflect and incorporate goals and principles of the National Science Education Standards The annotations designate the specific content standards on which these curriculum pieces focus In addition to the curriculum chapters the guide contains six chapters of diverse resources that are directly relevant to middle school science Among these is a chapter on educational software and multimedia programs chapters on books about science and teaching directories and guides to science trade books and periodicals for teachers and students Another section features institutional resources One chapter lists about 600 science centers museums and zoos where teachers can take middle school students for interactive science experiences Another chapter describes nearly 140 professional associations and U S government agencies that offer resources and assistance Authoritative extensive and thoroughly indexed and the only guide of its kind Resources for Teaching Middle School Science will be the most used book on the shelf for science teachers school administrators teacher trainers science curriculum specialists advocates of hands on science teaching and concerned parents Resources in Education ,2001-04

**Paperbound Books in Print** ,1992      **Teaching in the Standards-based Classroom** ,2001 Virtually every national standards document every state framework and every local set of standards calls for fundamental changes in what and how teachers teach The challenge for teachers is to implement the vision for mathematics and science classrooms called for in the standards This issue describes that vision and suggests ways to use the standards mandated in your school to improve your practice to help you teach in your standards based classroom      **Learning** ,1977      *The Guidebook of Federal Resources for K-12 Mathematics and Science* ,2004 Contains directories of federal agencies that promote mathematics and science education at elementary and secondary levels organized in sections by agency name national program name and state highlights by region      Instructor ,1990      **ENC Focus** ,2000      *Mathematics & Science in the Real World* ,2000

**Medieval Knight-Read Me a Book!** Adrienne Wigdortz Anderson,1999 Anderson presents clear easy to follow and detailed plans for teachers and librarians This resource intended for use in upper elementary to middle school grades makes

programming less stressful and time consuming for all involved VOYA      **Research in Education** ,1971      *How to Do it*  
*Series of the National Council for Social Studies* National Council for the Social Studies,1957      Teaching Science Through  
Discovery Arthur A. Carin,Robert B. Sund,1970      American Book Publishing Record ,1990      **Subject Guide to**  
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Print ,1992      **Resources in Education** ,1997

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## **Ecology Discovery Activities Kit A Complete Teaching Unit For Grades 4 8 Introduction**

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