

OTHER EDUCATIONAL MATERIALS

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COLLECTIONS



ANIMAL TRACK RUBBING PLATES. Rubbing plates are an excellent tool for learning about animal tracks. This set features sixteen 4 x 5 1/4" plates of animal tracks, including deer, weasel, beaver, bobcat, rabbit, opossum, otter, mountain lion, squirrel, skunk, raccoon, duck, turkey, timber wolf, dog, and cat.

RUBBER ANIMAL TRACKS. Acorn Naturalists. The Tool Chest features the following mammal track replicas:



RED FOX



JACK RABBIT



BEAVER



FROG



BEAR



MINK



RACCOON



GOOSE



ELK



PORCUPINE



COYOTE



MOOSE

ROCKS AND MINERALS OF THE WESTERN UNITED STATES COLLECTION. Special mounted collection consisting of 50 rock and mineral specimens that reflect those found in the Western United States. Specimens measure approximately 3/4" across. Includes Rocks and Minerals Study Guide. Perfect starter set for grades 5-12.



CDs

DESDEMONA'S SPLASH CD. An interactive computer game that delivers information on nonpoint source pollution in a fast-paced and entertaining format. Appealing for audiences of all ages, it teaches fundamental concepts about nonpoint source pollution prevention measures in a farm, a city, and a neighborhood setting. Point and click screens that move and have sound help players learn how day-to-day decisions can affect the water quality of lakes and streams.



GOING WILD (CD)! The Banana Slug String Band. NEW release sponsored by the Teton Science School. Explores the flora, fauna, geology, and other phenomena of the greater Yellowstone region. Songs about beaver, bison, wolves, grizzlies, wapiti, moose, fire, wildlife and water will be enjoyed by children, regardless of where they live. Winner, Best Children's Recording of 2000 Indie award.

GAMES

INTO THE FOREST. Nature's Food Chain Game. Colorful cards represent the animals and plants of the forest - each card listing what the animal eats and is eaten by. At the end of the game, each player counts earned energy points. For 2-6 players, ages 8 and up.



THE LIVING LANDSCAPE. An interactive computer game that takes learners of all ages through various best management and

conservation practices to turn a rundown farm and landscape into an environmental showplace! Point and click on various areas of the farm to answer related multiple choice questions. With each correct answer the farmscape changes to show the improvement made (complete with sound effects!). Once you make it through the set of questions correctly, the farm is set in motion with animation. A learning tool that's downright fun!

KITS & TOURS

CROP IDENTIFICATION KIT. Superb, hands-on study kit features 10 important crops, including wheat, corn, rice, cotton, oats, soybeans, barley, alfalfa and more. Includes samples of the crop plants, each individually carded, labeled, and bagged, along with 10 samples of products from each of the featured crop plants. Teacher's guide is included, offering numerous activities. Grades 1-12.



DIG IN! Hands-On Soil Investigations. Natural Resources Conservation Service.



Activity book will have kids in grades K-4 up to their elbows in the study of soil formation, habitats, soil animals, land use and soil conservation. Includes teacher-tested lesson plans, assessment methods and suggestions for further study. Integrates science with art, geography, language arts, math and social studies. Perfect introduction to soil study for young children who usually need little encouragement to go play in the soil.

FORESTRY SUPPLIERS TREE STUDY F.I.E.L.D. KIT™. Gain a new appreciation for forests and trees! Kit includes an illustrated manual to determine species, a Tangent Height Gauge and measuring tape to figure heights, and a diameter tape. Study annual extracting a core sample with a professional model increment borer. Students can also determine the volume of wood in a tree by using the tree scale stick. Also includes biodegradable roll flagging and stake wire flags to delineate research areas. Carrying case box.. Dimensions: 7" x 10.5" x 32". Lesson plans included.



GEOLOGY FIELD TRIP IN A BAG. Introduce your students to rocks, minerals, and fossils through a hands-on classification activity. The excitement of the field trip experience is created as they sort and classify the various specimens in the kit. Also includes a 4-page teacher's guide and 11 student worksheets with keys for use by the students in the identification and classification of each specimen. Kit contains 5 hand magnifiers, 2 bags of rough mineral samples, and 20 plastic sorting trays.



HOW A TREE GROWS KIT. In this kit, students look at how a seed grows, how leaves play an important part in food manufacturing, how a tree grows at different points (roots, stems, and bark), and how to measure tree growth. Twenty-one real tree parts and cross sections are used to teach students about chlorophyll, photosynthesis, transpiration, and the distribution network for a tree's food, minerals, and water. Kit contains: three seeds, three roots, three woody twigs, three herbaceous stems, three bark samples, three cross-section samples, three leaf samples, three magnifying glasses, and a teacher's guide with eight hands-on activities. Grades 4-12.



NATURE PRINTING KIT. A unique printing experience! Learn how to print all types of leaves, flowers, fruits, and herbs with these special method and inks. A great teaching tool for all members of the family. Kit contains: ten 8-1/2"x 11" Nature Printing Paper sheets, 10 practice sheets, five 1-oz. ink colors, six foam dabbers, reusable palette, envelope template, tweezers, and a comprehensive instruction booklet.



PONDWATER TOUR. Hands-on science curriculum and water quality test kit for grades 4 through 8. Clearly written curriculum guide helps students learn the importance and measurement of changes in four important water quality parameters: dissolved oxygen, nitrate, pH, and ammonia. Test lakes, streams, ponds or aquariums. Kit contains all necessary lecture materials and handouts, practical teacher tips, clearly written test procedures, and all necessary reagents and data sheets. Also suggest games that reinforce key concepts. Tablets and sample test bags for a class of 40.



SOIL FORMATION STUDY KIT. Included in this unique kit are rocks and minerals that break down to become major components of soil along with samples of actual soils. Includes 15 different coded samples for demonstrating different textures, stages of decomposition, and component parts. Students can go out and collect their own different soil samples and form hypotheses about the soils' origin.



SOIL CLASSES. The separates alone are only the beginning of soil textural study, since they are not found pure in nature but are always mixed. It is the natural mixture found in the field and known as soil classes - sands, loams, and clays - that are important. In glass jars on block base. Set of 8 includes soils classes of sand, sandy loam, clay loam, peat, loam, silt loam, clay, muck.

SOIL TEST KIT, NPK. Safe, easy, and economical kit contains all the supplies needed to perform fifty tests each for soil nitrogen, phosphorous and potassium. Includes the necessary apparatus, diagrammed instructions, laminated color chart and test tablets. Specifically designed to meet the exacting requirements of the GLOBE program, this kit is ideal for teaching upper elementary, middle and high school students about soil nutrients and their relationship to plant growth and development.

SOIL TEXTURE TEST KIT. Most books on gardening or soil science discuss plant needs in terms of sand, silt and clay content. Now there is a way that you can determine what kind of soil you have or prepare special soil mixes for plant experiments that require various soil types. This kit separates soil into sand, silt and clay fractions using dispersing and flocculating reagents in calibrated conical tubes. Kit includes all necessary reagents, clear plastic test tube holder and a booklet containing complete instructions. Approximately 40 tests.



TOPSOIL TOUR. Designed for middle school students, this exemplary curriculum helps students examine, discover, and compare the physical and chemical properties of soil. Divided into seven units, each includes a complete set of lecture materials, illustrated handouts, teacher's tips, test procedures, data sheets, and games to reinforce concepts. Covers all key soil tests, including texture, pH, nitrogen, phosphorous, and potassium. Uses reagent tablets, individually sealed in foil strips. Enough tablets and sample test bags for a class of 40 students.



WATERSHED TOUR. Easy to use classroom-based curriculum consisting of equipment, activities, and discussions centered on watershed issues. Tour focuses on mapping, location description, habitat identification, water chemistry, biology (including food chain relationships), data analysis, and formulation of conclusions. Chemical test tabs include 20 dissolved oxygen tabs and 10 each of pH, Chloride, Nitrate, Nutritab and buffer tabs. Students study four sites along a virtual river, from headwaters to the mouth, learning how humans affect water quality.



MAGAZINES



FOOD, LAND AND PEOPLE READER, Issue 1. How much land do you need? What is dirt worth? What is an acre? Who uses the land? Where is the best farmland? This reader answers these questions for students. It is a great addition to the Natural Resource Discovery Tool Chest.

FOOD, LAND AND PEOPLE, Issue 2. This issue of the student reader explores working with nature and the water cycle. The reader looks at the working earth cycles and creatures of the Earth in the soils fertility cycle including bugs.



FOOD, LAND AND PEOPLE, ISSUE 3. Have you ever wondered how food gets from the farm to your fork? This issues looks at terms like ecosystem, population, precipitation, erosion and climate. A great tool to teach students about food, culture, and nature.

POSTERS

INDICATORS OF WATER QUALITY IN NORTH AMERICAN STREAMS POSTER. This poster is a great way to teach students the indicators of water quality. The poster features drawings of invertebrates commonly found in the streams, lakes, pond, and other freshwater environments of North America.

NATURAL RESOURCES - WHO HAS THEM AND WHO DOESN'T Map. Find out which states and provinces produce which resources. No one is truly self-sufficient when it comes to having all the natural resources we use in every day living. Some regions of North America are truly blessed when it comes to having the right kind of geography, geology, and human ingenuity to provide the natural resources we all use.



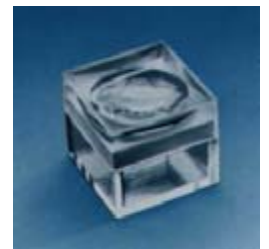
THE WATER CYCLE – NATURE’S RECYCLING SYSTEM POSTER. This colored poster illustrates the water cycle. Provided on the back of the poster are descriptions of water as a natural resource, the water cycle conservation, and facts about water. Included also are hands-on activities about water evaporation, percolation, uses, water cycle, snow density, and how to conserve water. Objective, materials needed, procedures, and questions for discussion are provided for each activity.

TOOLS



AQUASCOPE. This 26"-long scope was designed to study underwater pond life. Made of durable, unbreakable plastic with nonbreakable mirrors. Aqua Scope is completely waterproof and can also be used as a periscope out of the water. The scope comes with a 2"-diameter circle that magnifies 3x for better viewing.

BOXES, CLEAR LUCITE MAGNIFYING (LARGE). Study insects, fungi, flowers - anything! Small and large observation chambers. Smaller ones offer magnification (4x) but larger ones (3x) offer more flexibility for observing specimens when out in the field. The original bug box. LARGE (1-1/2" square).



HOOPS AND SQUARES, POPULATION DENSITY AND BIOMASS STUDY - VEGETATION.

Uniform population density field experimentation can now be done economically and accurately using two 20-m calibrated transect lines and quadrat that complete this classic sampling device. The quadrat can be easily assembled into one square that is 1 m on each side that are each 0.5 m on each side. This versatile tool has an almost li in all field studies. Provides students an opportunity to participate in on investigations. Quadrant sampling methods and scientific observation form the basis of this broadly based kit. Critical ecological concepts such as energy transfer, the First and Second Laws of Thermodynamics, and productivity are coupled to population studies and biomass calculations. Identify community interaction among organisms within a natural setting. Introduce students to real world field sampling techniques utilizing simple, easy-to-use hardware.



MAGNIFIER, STUDENT 4X. Optical grade stacking type magnifier (stack to increase mag.) with 1" diameter thermoplastic lens. Small hole in handle to attach string. Perfect tool for student journals.



MAGNIFIER, HIGH POWER HAND-HELD.

Quality magnifiers like this are a pleasure to work with. New design utilizes an aspheric 2" acrylic lens that greatly reduces image distortion. This powerful new 5x magnifier is coated with anti-scratch, antiglare compound and firmly encased in a tough, lightweight 5" black handle.



MAGNIFYING VIEWER, TWO-WAY. Sturdy handles and observation chamber that opens from above. Crystal clear 4x magnification lenses on top section enables you to view specimens from above while the lower 4x lens lets you view specimens from the underside. The viewing chamber has a one-centimeter lip that retains water for viewing aquatic insects, tadpoles, daphnia, brine shrimp, etc. Since this instrument uses natural light, you can take it anywhere - perfect for field or classroom use.



MOISTURE METER. Precise, high quality meter accurately measures relative moisture content incrementally from 1 (dry) to 10 (saturated) at root level in just 60 seconds. Use to determine when plants are nearing their water stress point (and develop scales of drought tolerance using different plants). Also practical for avoiding over or under-watering of house or garden plants. Measure and graph moisture fluctuations with different compost mixtures to optimize composting. No batteries are needed. Includes comprehensive instructions.



NET, STUDENT INSECT (BUTTERFLY). Our most reasonable insect net, perfect for budding young entomologists. This butterfly net features a 28" deep white nylon net bag permanently affixed to a 12" metal ring. Sturdy 20" x 1" thick sanded wooden handle allows for a firm grip.



NET, STANDARD MESH (GREEN) AQUATIC DIP. Perfect aquarium net for collecting small fish, tadpoles and insect larvae. Rigid wire handle coated with vinyl to prevent rusting.

NATURE PRESS. This 7" x 9" press is ideal for field trips and hiking. Its sturdy Velcro® straps provide even and steady pressure to quickly dry and preserve wildflowers and nature specimens. Detailed instruction book included.



RULER, ALUMINUM – 12" & 36".

Featherweight, yet strong as steel, this rule is durable and easy to use. Large, easy-to-read numbers and calibrations give maximum legibility.



SPRING SCALES. These spring scales consist of metal case, pointer, spring, suspension ring, and load hook. One edge calibrated in N (Newton) the other in g (gram), with zero adjustment, used for measuring forces and weighing.

POCKET THERMOMETER (Fahrenheit). Useful instrument for field and laboratory use. Features fully protected 1" diameter stainless steel head, 5" long stainless steel stem (0.14" diameter), bimetal coil movement with magnifying Lexan lens and 2-degree increments. Easy to read and recalibrate. Comes with red protective sheath plus handy pocket clip. FAHRENHEIT (0 to 220 degrees).



SEDIMENTATOR TUBE: The Sedimentator™ provides students with dramatic simulation of natural processes such as river erosion, depositing and layering of sediment, rock formation, and the embedding of organic materials to form fossils. Two sediment tubes, plus teacher and student information with activities, are included. Can be used in conjunction with a stream table.



SOIL PROFILE TUBES. Use to show how sediments settle out when mixed with water to make your own demonstrations of topsoil, subsoil and parent material stratification. This simple kit includes two long, clear plastic tubes measuring 6" x 3/4", plastic caps and teacher's guide.



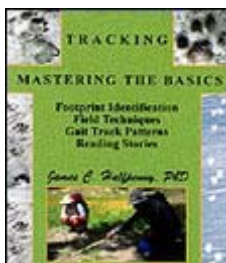
SOIL COLLECTION TUBE. Sturdy 12" galvanized steel sampler with 1" core diameter, saw-toothed tip. Features cutaway side for visual examination of the core. Quick, clean way to collect soil samples from different locations to test for variations in nutrient pH.



WATER MONITORING KIT. Students will have fun analyzing sample water for eight different test factors. Comes complete with all the necessary apparatus, non-hazardous TesTabs®, diagrammed, step-by-step instructions and color chart. Use this kit to explore the water quality of natural aquatic systems nearby. Contains everything you need to test for phosphate, temperature, turbidity, coliform bacteria, pH, dissolved oxygen, biochemical oxygen demand, and nitrate. Can be used to test fresh, brackish, or saline aquatic environments. Grade 4 and up.



VIDEOS



TRACKING: MASTERING THE BASICS. Video. by Dr. James Halfpenny. Four-part video series covering 1) Tracking Process and Footprint Identification, 2) Field Techniques, 3) Gaits and Gait Patterns, 4) Interpreting Stories. Three hours of video provide a short version of Jim's famous two-day field lecture introduction to basic tracking. Includes video shot during Jim's field and classroom lectures. The MUST-KNOWS for trackers!