



**Bitterroot National Forest**  
**Conservation Education Lending**  
**Library**

**Bitterroot National Forest-Supervisor's  
Office**

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The Bitterroot National Forest has a lending library of educational materials available for use by community members. Below is a list and description of the materials that are available. To checkout any of these materials please contact Julie Schreck at (406) 375-2606 or email at [jschreck@fs.fed.us](mailto:jschreck@fs.fed.us). Please pick-up the materials at the address above. In some cases, we may be able to mail you the requested materials.

**Guide to Traveling Educational Trunks** - Our traveling trunks are ready-to-use kits that include hands-on-activities and educational materials geared toward a particular theme. Each kit comes with a teacher's reference guide to assist with implementation of the included activities.

Wolves and Humans - Offers a complete and in-depth look at wolves, their biology and their role throughout history. Includes hides, fur and skulls of wolves; tapes of wolves' sounds; videos; and plaster cast wolf tracks. This is a comprehensive curriculum package with individual lessons carefully geared towards specific grades. Grade level: K-12

Wilderness and Land Ethics Box #1 - Offers land managers, classroom teachers and outdoor educators an interactive resource to promote awareness of, understanding for, and appreciation of the cultural,

environmental and historical values of Wilderness.  
Contains interdisciplinary lessons, activities and teaching tools including, books, videos, and games. Grade level: K-5

Wilderness and Land Ethics Box #2 - Offers land managers, classroom teachers and outdoor educators an interactive resource to promote awareness of, understanding for, and appreciation of the cultural, environmental and historical values of Wilderness.  
Contains interdisciplinary lessons, activities and teaching tools including, books, videos, and games. Grade level: 6-8

Aquatic Education Resource Trunk - Engaging curriculum including lesson plans complete with materials and supplies to teach about fish habitat and aquatic resources. Grade level: 4-12

Fire Works - A comprehensive fire ecology curriculum for all grade levels, which is useable by classroom teachers and agency personnel alike. The portable trunk contains educational materials for hands-on learning about how forests change over time, especially in relationship to fire. Grade level: K-12

Sally Snag - An interactive kit used to convey the importance of standing dead trees to the forest ecosystem and its inhabitants. Also includes lesson plan on the Animal Inn program. Trunk comes with stand up "snag", comprehensive set of puppets (eagle, bear, raccoon, beaver, etc), and supporting script. Grade level: K-3

**Guide to Conservation Education Curriculum** - In our library of materials, we have numerous conservation education curriculum that educators may review or checkout depending on availability.

WOW!: The Wonders of Wetlands - This K-12 is filled with background material for teachers preparing wetland study units. It is brimming with proven wetland activities, which include curriculum planning information. The six chapters focus on the following aspects of wetlands: wetlands and people, defining wetlands, wetland functions, wetlands as homes, how people manage wetlands, and action for wetlands.

Leapfrogging Through Wetlands-An activity book for ages 6-12 that discovers the world of sedges, rushes, ducks and frogs. Provides many fun and reproducible activity sheets to use in the classroom.

Project WET - Curriculum and Activity Guide - This K-12 guide is a collection of innovative, water-related activities that are hands-on, easy to use and fun! The curriculum focuses on five modules: groundwater, watersheds, wetlands, water conservation, water/environmental history.

Project Wild - Aquatic - It is an K-12 instructional resource that includes activities that focus on aquatic resources with seven sections which focus on the following principles: awareness and appreciation, diversity of wildlife values, ecological principles, management and conservation, people, culture and wildlife, trends, issues and consequences, and responsible human actions.

The Stream Scene: Watersheds, Wildlife and People - The curriculum guides the user from the broad spectrum of watershed systems, riparian areas and their respective components to the specific nature of streams

and the aquatic life they support. The curriculum can be used to prepare students grade 6-12 for field investigations, as the methodologies and field forms are included in the curriculum.

The Cascade Stream Watch Experience - A program and supportive curriculum that enhances young people's awareness and appreciation of aquatic ecosystems, while cultivating skills in science, math, and problem-solving. The curriculum includes activity instructions for numerous water quality and vegetation monitoring techniques.

Streamkeeper's Field Guide: Watershed Inventory and Stream Monitoring Methods Book and Video- Book includes sections on understanding watersheds and conducting field inventories. Video explains in a lively and entertaining manner how to investigate your watershed. Perfect for students 12 years of age and above.

Pondwater Tour-Hands-on science curriculum and water quality test kit for grades 4-8. Clearly written curriculum that helps students learn about the importance and measurement of water quality parameters.

Salmon Watch - A curriculum designed for grades 6-12, which teaches the students about salmon, water quality, and how human choices affect these resources. Field activities, which focus on these aspects, are presented along with the appropriate data forms

Project Learning Tree - Environmental Education Pre K-8 Activity Guide - PLT uses the forest as a "window on the world" to increase students' understanding of our complex environment. The guide is arranged under five major themes: diversity, interrelationships, systems, structure and scale, and patterns of change. The activities integrate the themes within science, language arts, social sciences, art, music, and physical education.

Project Wild - It is a K-12 interdisciplinary, supplementary environmental and conservation education program emphasizing wildlife. The activities focus on the following principles: awareness and appreciation, diversity of wildlife values, ecological principles, management and conservation, people, culture and wildlife, trends, issues and consequences, and responsible human actions.

Ecosystem Matters - Activity and Resource Guide for Environmental Educators - The goal of this K-12 guide is to provide engaging, thought-provoking, relevant, hands-on activities, which help students learn about ecosystems, their importance and the impacts of ecosystem management on their lives.

Woodsy Owl Activity Guide - The guide offers educators twelve fun and engaging activities which are designed for children ages 5-8 to become more aware of the natural environment and provide fundamental conservation principles.

Ranger Rick's Nature Scope - Rain Forests: Tropical Treasures - A creative curriculum that focuses on four tropical rain forest themes: characteristics of tropical rain forests, life in tropical rain forests, people and tropical rain forests, and problems and solutions.

Montana Forest Forever - CD ROM Teacher Guide - The CD-ROM teaches 6-8 grade students about forest ecology and the importance of employing scientific principles based on natural forest processes and sustainable forest management. The interactive format provides a fun and captivating presentation of forest facts, the forest products we all use, and the balance necessary to sustain our forest.

Investigating Your Environment - Teaching Materials for Environmental Education Grades 6-12 -An interdisciplinary curriculum with the goal to help learners

develop the skills and motivation to interact with and understand their environment. Participants observe collect, record and interpret data. The topics of study are soil, water, forests, plants, wildlife, deserts, dunes, range, ponds, marine, riparian and wilderness.

Eco-Inquiry, A Guide to Ecological Learning Experiences for Upper Elementary/Middle Grades- Three in-depth modules allow students to investigate ecological processes within their local environment.

Creepy Crawlies and the Scientific Method: Over 100 Hands-on Science Experiments for Children- Teaches children the methods of science using dozens of reproducible charts, tables, and forms that emphasize data collection and graphing. Perfect for ages 5-12.

Feathered Travelers Neo - tropical Migratory Birds of the Americas - A Reading Activity Book In English and Spanish - A coloring and storybook, which talks about the migratory birds of the Americas.

Fire Works Curriculum Featuring Ponderosa, Lodgepole, and Whitebark Pine Forests - It is a K-10 curriculum, which provides hands-on activities for studying fire ecology, fire behavior, and the influences of people on three fire dependent forest types.

Discover Nature in Winter- This book provides the "whys" of winter, the world of snow, the winter sky and offers specific winter activities appropriate for the classroom and field

Topsoil Tour- Designed for middle school students, this curriculum helps students examine, discover, and compare the physical and chemical properties of soil.

Soil- A wonderfully illustrated book that discusses soil formation processes, soil fertility, soil use etc. Good for grades 9-16.

Erosion- Explains the effects of erosion on the earth. Photographs accompany scientific explanations of the mechanisms and effects of wind, water, ice and chemical erosion. Good for ages 8-15.

### **Guide To Videos** - Below is a list of the videos available to checkout.

Protecting Your Home From Wildfire - Home Protection Guidelines - A video by the USFS Missoula Fire Sciences Laboratory - Rocky Mountain Research Station, which discusses measures that can be done to protect your home from wildfires.

Managing Wildland Fire - A Matter of Choice - A 12-minute USFS - Rocky Mountain Research Station video discussing the risks and benefits of wildland fire and the choices that people must make to manage fire in the West.

Fire History and the Urban Interface - A 14-minute video that discusses fire history in the Bitterroot NF presented by Jack Losensky.

The Bitterroot Fires of 2000 - A 5:30 minute video about the Bitterroot Valley fires of 2000.

Fire Safe Inside and Out - A 25-minute video by the California Department of Forestry and Fire Protection.

Fire Safe Landscaping - A video on how to protect your investments against wildfire destruction, includes public service announcements from Tim Allen and Tom Selleck. Produced by the Fires Safe Council and the California Interagency Fire Prevention Committee.

No Need for a Saturday Night - A Montana Fish, Wildlife, and Parks documentary which joins six Montana poets in toasting Montana's rich fish and wildlife resources and colorful outdoor heritage.

The Green Scene - Forest Ecology and Wilderness - A 21-minute video that includes information on ecology, wilderness, and consequences of our uses. Produced by the University of Arizona-School for Renewable Natural Resources, Tucson. The video supports a written curriculum.

## Guide to Field Sampling Equipment

In our lending library we have equipment that can be used to conduct a wide variety of field sampling activities. Below is a list of the equipment that we have available.

Aquatic insect sampling nets

Field microscopes

Thermometers

Turbidity Sampling Tube

Soil Organism Study Kit

Soil Test Kits- Texture, pH, nitrogen, phosphorous, and potassium

Soil Profile Tubes

Soil Collection Steel Sampler Tube

Water Quality Monitoring Kit-BOD, coliform bacteria, DO, nitrate, pH, phosphate, ammonia, and turbidity

Tape Measure

PH Test Kits, Hach Color Disc Model

Hip Boot Waders, numerous sizes

Forceps

Dip Nets

Insect Viewing Boxes-Magnified

Plastic Containers/Trays

Magnifying Glasses

Aerial Field Net for Terrestrial Insect Sampling

Sweep Field Net for Terrestrial Insect Sampling

Binoculars

Petri Dishes

Eyedroppers/basters

Safety Glasses

Gloves

Compasses

Snowshoes

## **List of Field Guides**

Below is a list of the field guides that we have available in our lending library.

Aquatic Insect Field Guides

Pond Life

Water Insects

Butterflies and Moths

Weeds

Amphibians

Birds

Fish

Mammals

Insects

Trees

Beetles

Winter Field Guide

Rocky Mountain States Field Guide

Earth Color Soil Identification Guide-Globe

A Guide to Nature in Winter