

STREAM GEOLOGY MODULE CONTENTS

ROCK AND SEDIMENT SAMPLES

- 1 WARDS box - Rock collection of 12 rocks
- 7 Total plastic containers
 - 1 - Rocks from French Creek between Meadville and Saegertown
 - 1 - Rocks from a small unnamed stream southeast of Meadville
 - 1 - Substrate from unnamed, small headwater stream near Meadville
 - 1 - 40+ rocks (10 packs) purchased from WARDS
 - 1 - Sample substrate from Woodcock Creek - **Riffle** area
 - 1 - Sample substrate from Woodcock Creek - **Pool** area
 - 1 - Empty plastic container for substrate from your creek

SIEVE SETS, ETC.

- 1 Set of magnifying glasses
- 6 Meter sticks (in stream table box)
- 6 Bottomless buckets
- 4 sets of screened sieves, each set consisting of a #5, #10, #35, #60, #120, #230 sieve and a no mesh bottom pan

READING MATERIALS

- 15 Laminated posters illustrating The Evolution of Life
- 2 Laminated “Groundwater and Land Use in the Water Cycle” Poster
- 1 Geology of Pennsylvania book
- 1 Geological Highway Map of the Northeastern Region of the United States
- 4 National Geographic informative posters - *Rivers 2001*
- 1 *Field Guide to Rocks and Minerals* by National Audubon Society
- 1 *Rivers and Valleys* by Philip Sauvain
- 1 *Letting Swift River Go* by Jane Yolen
- 30 “Glacial History and Stream Processes affecting French Creek” fact sheet from FCVC
- Maps of Pennsylvania
 - 20 - *Distribution of Pennsylvania Coals*
 - 20 - *Glacial Deposits of Pennsylvania*
 - 20 - *Surficial Materials of Pennsylvania*
 - 20 - *Limestone and Dolomite Distribution in Pennsylvania*
 - 20 - *Physiogeographic Provinces of Pennsylvania*
 - 20 - *Geologic Map of Pennsylvania*
 - 20 - *Oil and Gas Fields of Pennsylvania*
- Pamphlets
 - 10 of *Rocks and Minerals - A Study Guide*
 - 10 of *Rocks and Minerals of Pennsylvania*
 - 3 of *Common Fossils of Pennsylvania*
 - 10 of *Pennsylvania and the Ice Age*
 - 1 of *Landslides in Pennsylvania*
 - 10 of *The Geological Story of Pennsylvania*
 - 1 of *Geology A Pocket Naturalist Guide*

ACTIVITY ENVELOPES/FOLDERS

- 1 Stream Movement Slide Show
- 1 Geological Time - Water, W. PA, and World

PLASTIC CONTAINERS

- 1 of course sand - small gravel
- 1 of silt
- 1 of extra bottle caps
- 1 of fine sand
- 1 of gravel

PLASTIC BIN LABELED "EXTRA STUFF"

- 4 Pinwheels
- 6 Gardening spades (hand shovels)
- 2 Stop watches
- 6 One foot rulers
- 9 Calipers
- 2 Fiberglass Measurers (each 50 ft long)
- 1 Box of sealable bags
- 1 Sedimentator bottle
- 6 Plastic dishes
- 16 Wet erase markers

OTHER

- 6 Sedimentator bottles in cardboard box
- 5 plastic funnels
- 1 bag of 8 plastic golf balls
- 1 bag of 15 sediment guides

LOOSE ITEMS

- Stream table with Stream table accessories (in box with stream table)
- Bucket of sand for stream table
- 1 Lab Aids cardboard box containing Interpreting River Sediments activity materials
 - 15 Ruby Ridge quadrangle topographic maps
 - 15 Sample Site Number Envelopes each containing 24 cards
 - 24 sediment samples
 - 15 Chemplates
 - Lab-Aids dollars
 - 21 Spatulas
 - 3 Molybdenum test solution

