Bayland Habitats
EcoMasters

Two Free Interactive Computer Programs for Teachers and Students

Bayland Habitats and EcoMasters are two educational computer programs that teach upper elementary schoolchildren about pollution prevention and wastewater treatment in the Bay Area. Under an agreement with the software developers, wastewater treatment plants and stormwater education programs are making these programs available free of charge to educators in the nine Bay Area counties during the 1994-95 school year.

The two programs are different, but complementary. We hope schools and teachers will take advantage of this offer and help spread the word about pollution prevention and protection of our creeks, Bay, and Ocean— invaluable natural resources.
Bayland Habitats is an interactive classroom curriculum aid that covers a wide range of subject areas: science, social studies, language, and art. Features of this menu-driven, modular program include:

- Tide cycle/water cycle/food web module
- Mac or Windows (PC)
  System requirements:
  Macintosh: Mac Plus or later, System 6.05 or later. Requires a hard drive with 3 megabytes free space, plus 1 megabyte of RAM (System 6) or 4 megabytes RAM (System 7). Black and white.
  PC: 386/25 mHz minimum; Windows 3.0 or later. Requires a hard drive with 5 megabytes free space and 4 megabytes RAM. Will run in 16 or 256 colors.
- Comes with detailed teacher’s guide that includes numerous project ideas and instructions

Bayland Habitats has been developed by WildWare for Environmental Volunteers, a non-profit organization that supports 150 volunteer natural science educators who take a variety of programs into K-8 classrooms.

EcoMasters is a colorful, fast-paced interactive game that students can use without teacher supervision. It uses humor, animation, and sound effects to teach about storm drain protection issues, as well as sanitary sewer systems and treatment technology. This game is also modular and menu-driven. Sections of the game include:

- “Detecting Water Pollution,” a quick quiz on sources of pollution in the Bay
- “EcoSearch,” an animated, interactive module showing water pollution sources in the Bay/Delta area
- A “House Tour” illustrating toxic products and potential sources of pollution in the home and including hints for proper use and disposal

The “Sewer Tour,” an animated ride through sewers, storm drains, and a waste-water treatment plant.
- Targets 3rd grade through middle school
- Mac or Windows (PC)
  System requirements:
  Macintosh: 4 megabytes RAM (black and white); 5 megabytes RAM (color)
  PC: 386/25 mHz; Windows 3.1 or later. Ram: 4 megabytes (min.), 8 megabytes (suggested), 6 megabytes hard disk space. 256 color screen, Sound Blaster-compatible sound card (optional)

EcoMasters has been developed and modified for the Bay Area by New Media Magic, Inc. for CH2M Hill.