



## Why use 4-H Classroom Enrichment Materials?

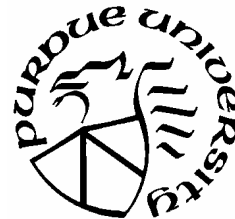
- ▲ Many students learn best through "learn by doing" activities
- ▲ Adding a variety of curricular materials helps to reduce classroom boredom
- ▲ Assignments for special projects
- ▲ Information for science fair projects
- ▲ Students interested in joining a 4-H club may be able to exhibit their work at the County Fair. 4-H members work on projects of their choosing and to their own level of interest. They can contact their local county Purdue Extension Office if they wish for more information.
- ▲ 4-H helps students learn about the environment and our natural resources through hands-on, activity-centered learning.

Check out the State 4-H Website

[www.four-h.purdue.edu](http://www.four-h.purdue.edu)

for project information, results of contests, and other supporting materials.

Contact the Purdue Extension Office in your county for the publications or more information.



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## 4-H Natural Resource Materials

*Beekeeping*

*Biological Control of Purple Loosestrife*

*Ethical Case Studies*

*Entomology*

*Explore the Great Lakes*

*Forestry*

*Geology*

*Soil and Water Conservation*

*Sportfishing*

*Weather*

*Wildlife*



**Hands-on  
Activity-based  
Learning**

## Natural Resource Projects

▲ **Beekeeping:** learn about raising bees and producing honey

▲ **Biological Control of Purple Loosestrife:** learn to raise and release beetles to help control the invasive purple loosestrife plant. Guidelines for obtaining permission to raise the plants and beetles, curriculum materials, and additional information is available at [www.four-h.purdue.edu/purple.htm](http://www.four-h.purdue.edu/purple.htm)



▲ **Entomology:** learn all about insects and how to collect, mount, and display them



▲ **Forestry:** learn how to identify trees, their uses, and the importance of our woodlands

▲ **Geology:** learn how to identify Indiana rocks, fossils, and minerals

▲ **Soil and Water:** learn about soil and water quality, how they interact, and how we can protect and preserve them

▲ **Sportfishing:** learn about fish, fishing, and aquatic habitats

▲ **Weather:** students observe and record weather conditions and learn weather symbols

▲ **Wildlife:** learn about wildlife needs, basic concepts, and how to create wildlife habitat



## Great Lakes Adventure

### Environmental CD-ROM

Students will learn about the five Great Lakes and the steps that the Environmental Protection Agency (EPA) is taking to monitor and solve potential environmental problems. A special feature of this CD is the interactive panorama of the ship that allows users to see the ship and control the viewing direction. A Youth Activity Sheet and Teacher key is included on the Teacher CD. Both versions (student and teacher) contain a copy of the information-rich resource, the EPA *Great Lakes Atlas*.



## Case Studies

Students can learn a lot about natural resources, the environment, and other issues using case studies. Visit the website [www.biotech.iastate.edu/Bioethics.html](http://www.biotech.iastate.edu/Bioethics.html) for a variety of ethical case studies. Contact Natalie Carroll ([ncarroll@purdue.edu](mailto:ncarroll@purdue.edu)) for case study guidelines.

## Watershed Connections



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[Watershed Connections](http://www.ecn.purdue.edu/SafeWater/) is a county-based publication series providing information on local watersheds and water quality. It can be used by educators, county government, plan commissions, and citizen groups who want an overview of local water-related issues and resources. Check the Watershed Connections website ([www.ecn.purdue.edu/SafeWater/](http://www.ecn.purdue.edu/SafeWater/)), then choose "watershed protection" and scroll down to "Watershed Connections") to see if one has been created for your county. If not, you may want to consider being part of a development team.

## Career Development Events (CDEs)

Students gain expertise in identification and general information about different topics. They also will enhance important life skills: decision-making, thinking, team work, and public speaking. The 4-H Youth Department coordinates 12 CDEs. Natural Resource CDEs include entomology, forestry, soils, and wildlife habitat evaluation.

