COMPOSTING AS A TOPIC FOR HIGH SCHOOL SCIENCE INVESTIGATION

http://www.cfe.cornell.edu/compost/schools.html

This WWW site includes detailed information on compost science and engineering, as well as articles about weird and unusual composting, frequently asked questions, a composting quiz, and bulletin boards for posting messages to other teachers or students.


A 20–minute video designed to introduce high school students to the science of composting, highlighting the biology of the invertebrates and microorganisms that decompose organic matter. Students are shown designing and using both indoor and outdoor composting systems, observing living organisms, and using finished compost to grow plants. Available from:

Cornell University Resource Center or Bullfrog Films
7 Business & Technology Park
Ithaca, NY 14850
Phone (607) 255–2090
Fax (607) 255–9946
E-mail: Dist_Center@cce.cornell.edu

COMPOSTING FOR WASTE MANAGEMENT


A handbook and two videos designed to help institutions such as schools to implement food scrap composting. Available from Cornell University Resource Center (address above).


A guide for educators and volunteers leading youth aged 9–12 in composting and related activities. Includes plans for eleven types of outdoor composting systems. Available from Cornell University Resource Center (address above).


Explains how to construct and maintain a compost pile. Outlines factors that affect the composting process including aeration, moisture, and temperature. Illustrations, tables, diagrams, and step-by-step instructions for constructing compost bins. Available from:

NRAES
152 Riley-Robb Hall
Cornell University
Ithaca NY 14853
Phone (607) 255–7654
Fax (607) 254–8770
E-mail: nraes@cornell.edu

*An updated version of Rodale’s classic book for small-scale outdoor composting. Includes composting instructions, as well as the history of composting, relationships between compost and plant health, and recommendations for applying compost to lawns, gardens, and house plants.*


*A guide for teachers and students in grades 3–6 who are interested in composting their school’s food and landscaping wastes. Although not aimed at the high school level, the guide outlines the process for setting up a school-wide food scrap composting program.*

Available from:
Association of Vermont Recyclers
PO Box 1244
Montpelier, VT 05601
Phone (802) 229-1833

**CHEMISTRY**


**PHYSICS**


**MICROBIOLOGY**


**INVERTEBRATES**


*The classic reference on food webs in compost piles. Available from:*

Office of News and Publications
122 Bray Hall
ESF
1 Forestry Drive
Syracuse, NY 13210
Phone (315) 470–6500


**WORMS**


*The original book of instructions for setting up and maintaining a worm composting system. Available from:*

Flower Press
10332 Shaver Rd.
Kalamazoo, MI 49002
Phone (616) 327–0108


**STUDENT RESEARCH**


**CURRENT COMPOSTING RESEARCH**


*A quarterly peer-reviewed journal that presents results of research on the science of compost production, management, and use.*