

JCE Classroom Activities #1–50, on CD-ROM

Abstract of a Classroom Resource Compilation

Need a quick and easy activity to share at Science Night? Looking for a last-minute laboratory activity that won't break the bank? Want something new to spice up your curriculum and excite your students? Need hands-on labs appropriate for home use? You'll find resources to meet all these needs and more on the *JCE Classroom Activities #1–50* CD-ROM. The CD collects and categorizes the first 50 activities of the *JCE Classroom Activity* series, which were published in the *Journal of Chemical Education* from the beginning of the series in September 1997 through January 2003.

What Are JCE Classroom Activities?

JCE Classroom Activities are inquiry-based, hands-on, minds-on activities that can be used in the classroom, the laboratory, at home, or in an outreach setting. They are generally intended to be fun and thought-provoking introductions to new ideas or topics, to spark discussion, and to lead to further study and experimentation. Many can also be used as a culminating activity to finish a unit topic. Most of the activities can be performed using materials commonly found at home or purchased from grocery and hardware stores. The intended audience is high school students, but with minor modifications, many are also appropriate for elementary, middle school, and college students. Each activity is self-contained and consists of two pages: Instructor Information and a Student Activity. The Instructor Information presents all the background materials needed by the instructor to knowledgeably lead the activity.

The Student Activity is ready to print, photocopy, and use as a student handout.

What Is on the JCE Classroom Activities CD?

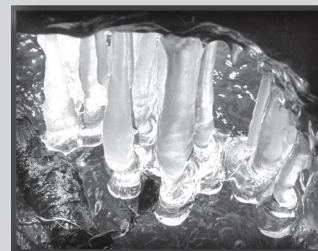
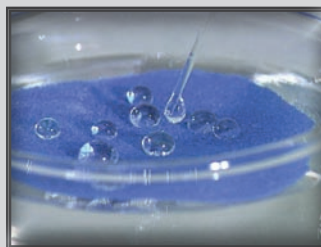
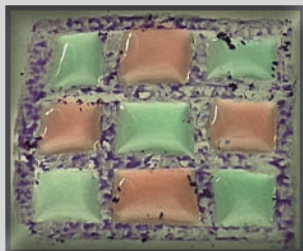
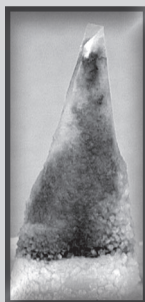
The CD conveniently packages the first 50 activities in the series as PDF files along with any online supplements that originally accompanied each individual activity. Online supplements include QuickTime movies, photos, and additional information and experiments to try. All activities have been categorized in three different ways: science education content standards, keywords, and outreach use.

How Can I Use This CD?

The CD is designed for use by chemistry teachers, outreach facilitators, and home educators. It is like a World Wide Web site—you access it using an Internet browser such as Internet Explorer or Firefox. You can quickly and easily locate Activities on the CD that fit your needs using any of several listings.

- 1 list of all 50 Activities organized chronologically in order of when they originally appeared in *JCE*
- 12 lists of Activities organized by science education content standards
- 39 lists of Activities organized by keywords
- 2 lists of Activities appropriate for outreach in a booth or a workshop

Visual snippets from the *JCE Classroom Activities* CD-ROM



JCE Classroom Activities allow students to experience a huge range of exciting investigations such as (clockwise from top center): dye cloth with natural materials; make and test homemade toothpaste, simulate "spring shock" in lakes; play with Magic Sand; attempt to create a square water drop; and determine the components necessary for a successful crystal garden.

Price and Ordering

Price for this CD-ROM for Macintosh and Windows: Single user on a single machine: \$19.95 U.S./\$29.95 non-U.S. Discount of 10% for orders of 10–49 copies; 15% for orders of 50 or more copies. Additional prices for libraries and networks as well as other information may be obtained by contacting *JCE Software*, University of Wisconsin–Madison, 1101 University Avenue, Madison, WI 53706-1396; phone: 608/262-5153 or 800/991-5534 (U.S.); fax: 608/265-8094; email: jcesoft@chem.wisc.edu. An order form is inserted in this issue that also provides prices and other ordering information. Information about all

JCE Software publications (including abstracts, descriptions, updates) is available from our Web site at

<http://www.jce.divched.org/JCESoft/>

You may also purchase the *JCE Classroom Activities #1–50* CD-ROM at the *JCE Online Store*

<http://store.jce.divched.org>

Supporting *JCE Online Material*

<http://www.jce.divched.org/Journal/Issues/2008/Jul/abs1006.html>

Full text (HTML and PDF) with links to cited URLs

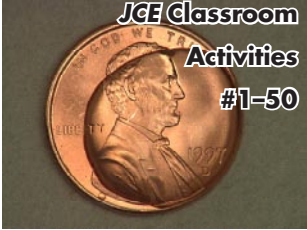
Table 1. Hardware and Software Required, *JCE Classroom Activities* CD-ROM

Computer	CPU	RAM	Graphics	System Software	Other Software	Optional
Windows Compatible	Intel Pentium III or equivalent	512 MB	res: 1024 × 768 colors: 16-bit	Windows Vista, XP w SP2	Microsoft Internet Explorer 6 or 7 Firefox 1.5 or 2.0 Adobe Reader 7 or 8	QuickTime 7 Internet connection
Macintosh	Intel Power PC G5, G4	512 MB	res: 1024 × 768 colors: thousands	Mac OS X 10.3.9 or later	Safari 2.0.2 Adobe Reader 7 or 8	QuickTime 7 Internet connection

Buy 2...

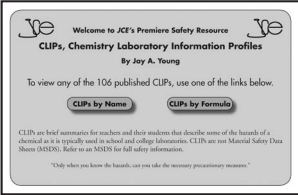
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Special Offer—*JCE* Compilations for Teachers



JCE Classroom Activities #1–50

JCE Classroom Activities—inquiry-based, hands-on, minds-on activities to use in the classroom, the laboratory, at home, or in an outreach setting.



CLIPs CD-ROM

Welcome to *JCE's* Premier Safety Resource
CLIPs, Chemistry Laboratory Information Profiles
By Joy A. Young

To view any of the 106 published CLIPs, use one of the links below.

[CLIPs by Name](#) [CLIPs by Formula](#)

CLIPs are brief summaries for teachers and their students that describe some of the hazards of a chemical as it is typically used in school and college laboratories. CLIPs are not Material Safety Data Sheet (MSDS). Refer to an MSDS for full safety information.
Only when you know the hazards, can you take the necessary precautionary measures.

CLIPs. *JCE* Chemical Laboratory Information Profiles on CD-ROM. Here is safety information with the busy high school chemistry teacher in mind. Practical advice from an expert!



Joy of Toys

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