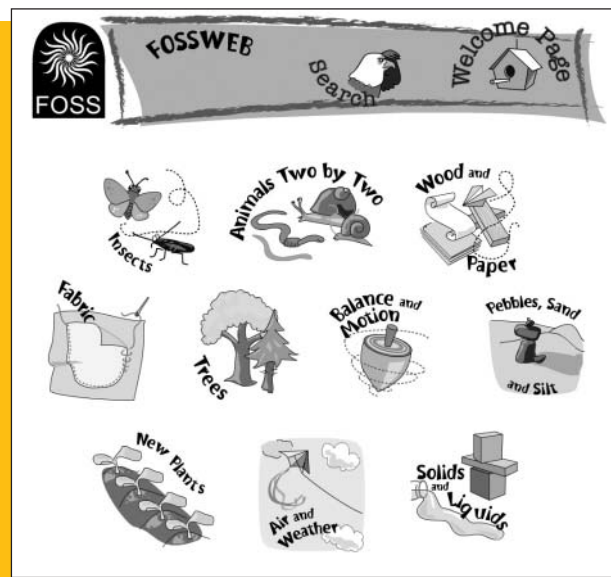


WEBSITE

ANIMALS TWO BY TWO



INTRODUCTION

FOSSweb is the interactive multimedia component of the FOSS program, which can be accessed via the Internet or the FOSSweb CD-ROM. FOSSweb extends the walls of your classroom to the very limits of the World Wide Web. FOSSweb is designed to provide enrichment for students and support for teachers, administrators, and families who are actively involved in implementing and enjoying FOSS materials.

- Students will enjoy the module-specific activities. Students can further their science investigations and exercise new skills and knowledge by using the interactive simulations designed for each FOSS module for grades K-2. They can bring FOSS into their homes and share experiences with their families.
- Teachers can seek tips for enhancing specific modules; locate appropriate print, video, and web-based resources; discover classroom management ideas; and find information concerning plant and animal care.
- Parents can view and download information about FOSS modules, including module summaries, vocabulary, home/school connections, and resources.

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WEBSITE CONTENTS

Introduction	1
Getting Started	2
Animals Two by Two Module	4
Navigating FOSSweb	6
Troubleshooting and Technical Support	12



GETTING STARTED

FOSSweb is the official site for the inquiry-based FOSS science curriculum. To use FOSSweb, your computer must meet minimum system requirements and have a compatible browser and recent versions of several plug-ins. The requirements vary slightly for the FOSS K–2 modules and the FOSS 3–6 modules. Read through the specifications listed below and install the necessary software so that you can view the K–2 section of the site. Check the FOSSweb technical information page (www.fossweb.com/detector/intro.html) and frequently asked questions (lhsfoss.org/fossweb/faq.html) for updates to the information provided here.

NOTE: *FOSSweb is also available on CD-ROM (part number 032-8778) from Delta Education. You can order the CD by calling Delta at 1-800-258-1302 Monday through Friday, 8 a.m. to 6 p.m. EST.*

COMPUTER REQUIREMENTS

Macintosh Minimum Requirements. Power Macintosh with 32 MB RAM (64 MB or more recommended), OS 8.6 or later, 16-bit (thousands) color minimum (8-bit will work, but some graphics will not be properly displayed), monitor resolution of 800 × 600, 4X CD-ROM (faster recommended) if running FOSSweb from a CD, an Internet connection if viewing the site on-line.

PC Minimum Requirements. Pentium or 586 120-MHz or equivalent, 32 MB of RAM (64 MB recommended), Windows 98 or later, 16-bit color video card and monitor (8-bit will work, but some graphics will not be properly displayed), monitor resolution of 800 × 600, 4X CD-ROM (faster recommended) if running FOSSweb from a CD, an Internet connection if viewing the site on-line.

Compatible Browsers. Internet Explorer version 5.0 (for PC) or 5.1 (for Mac) or later, or Netscape version 4.7X or version 6.2 or later; version 6.2 or later strongly recommended, and required on Mac OS X and Windows XP. For Mac users, Safari might be the browser of choice for the future, when Internet Explorer is no longer available for Macs.

INSTALLING PLUG-INS AND TESTING YOUR BROWSER

To fully access the K-2 section of FOSSweb, your browser must have recent versions of the QuickTime and Flash plug-ins. To determine if your browser has the correct software, click the link called Test Your Browser/Minimum Requirements for FOSSweb on the FOSSweb homepage (www.fossweb.com/detector/intro.html). Here you can test your browser and install the plug-ins you need. You can also find out about compatible browsers.

RUNNING FOSSWEB FROM THE CD-ROM

The plug-in and system requirements for running FOSSweb from the CD-ROM are the same as for viewing it on-line. To start FOSSweb from the CD, click the FOSSweb.html file. It will open in your computer's default browser. Click the link called Test Your Browser to determine if you have the necessary plug-ins. The plug-ins are on the CD-ROM, or you can also download them from the Internet. Internet versions may be more up-to-date. For more information refer to the Read Me file on the CD-ROM.

If you are running FOSSweb from the CD-ROM and you click on a website, the browser will attempt to look up the page through the Internet. If you're off-line, you'll get an alert box, telling you that FOSSweb cannot find the page.

INTERNET REQUIREMENTS

You will need a modem that runs at 28.8 kilobytes per second or faster (128 kbps or faster direct Internet connection recommended).

Activities may take up to 3 minutes to load the first time with a 28.8 kbps modem.

PRINTING

You can print all pages on FOSSweb except the Shockwave activities. In all cases, the center frame is printed without the top and side menu bars.

NOTE: If you are using Internet Explorer 4.0 on a PC, you must press Control P to print. Version 4.0 is below our minimum specifications, and we do not support it. We strongly recommend using version 5.0 or later.

ANIMALS TWO BY TWO MODULE

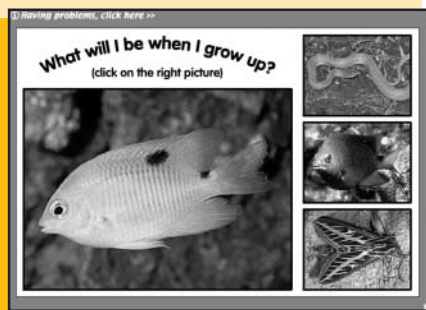
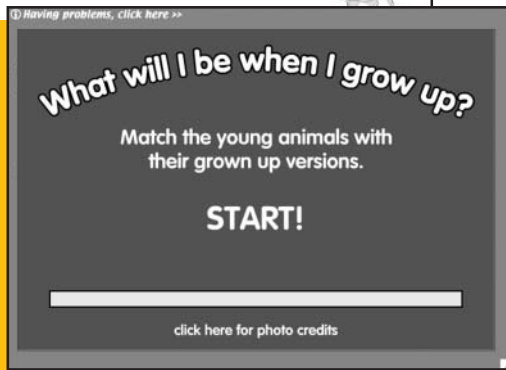
On the Welcome page, click Preview under the grades K–2 flag to see a brief overview of the K–2 site.

Click the grades K–2 icon to get a menu that links to each of the K–2 modules. There you can choose Animals Two by Two and travel to a wealth of information and activities specific to that module for students, parents, and teachers. The section for students has an interactive activity, a photo gallery, an “Ask a Scientist” section, websites, and movies. Parents and teachers can go to a module summary, a vocabulary list, a link to home/school connections, resources, and tips and tricks for using FOSS in the classroom.

If possible, introduce FOSSweb to students using a computer connected to a large monitor or digital projector. After a group introduction, move students to the computer lab or to computer stations in your classroom. Students in grades K–2 will get the most out of FOSSweb if an adult or older student is nearby to guide their explorations. After students have been oriented to the site, you can allow more free exploration.

In Animals Two by Two, you’ll find an activity called Find the Parent. Students try to match the baby animal in the picture to its parent. You might ask,

- How are human babies like their parents and how are they different?
- How is a puppy like an adult dog and how is it different?
- How is a baby guppy like an adult guppy and how is it different?



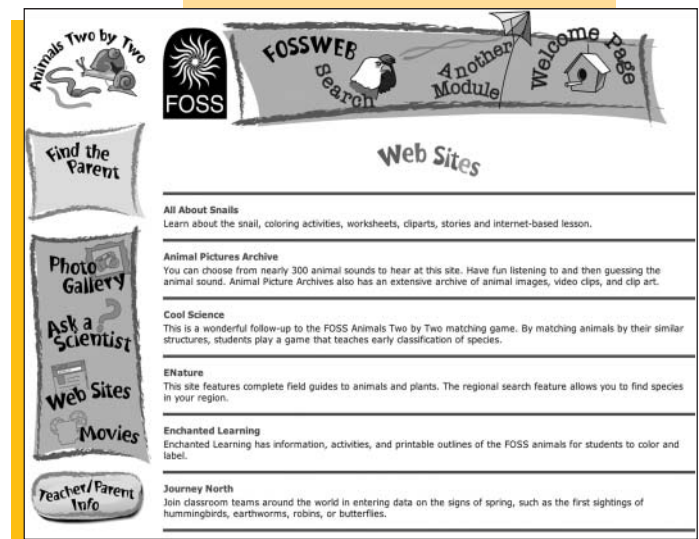
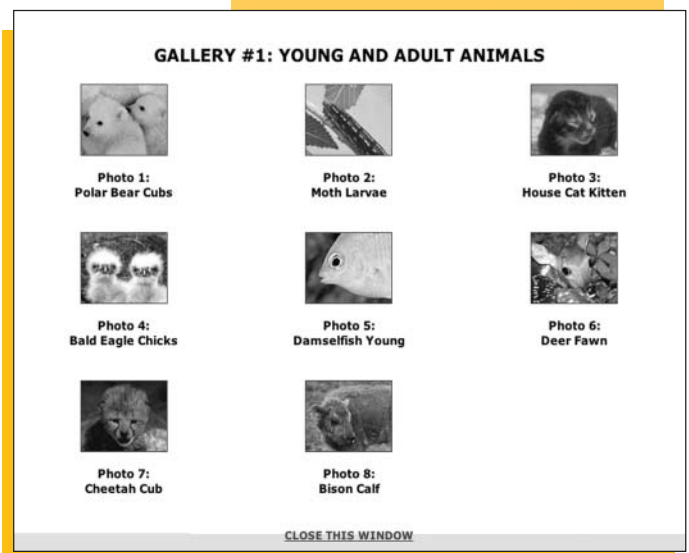
If necessary, review the animals that students have investigated in the module and discuss their similarities and differences. At the computer, have the class decide which of the three photos on the right represents the adult version of the baby animal. After successfully identifying two or three matches as a class, have students move to a computer to continue. If an adult is available to work with students, have him or her encourage students to talk about why they chose particular matches.

The Photo Gallery includes two galleries, one of young and adult animals and another of worms, isopods, and fish. Many of these images are in the Find the Parent game, so you might use them before students play the game or afterward as a review. You can use the images to discuss the similarities and differences between the animals. You might have individual students choose one of the animals to describe (with adult help), draw, and research.

In Ask a Scientist, students can review questions about animals that have been submitted by other students and ask appropriate questions of their own. Adult guidance in submitting questions is highly recommended.

Websites include links to sites that can extend student experiences with the **Animals Two by Two Module**. The links may inspire some new projects and investigations involving animals and their habitats.

Movies show several animals in action. The movies can also stimulate discussion.



NAVIGATING FOSSWEB

WELCOME PAGE

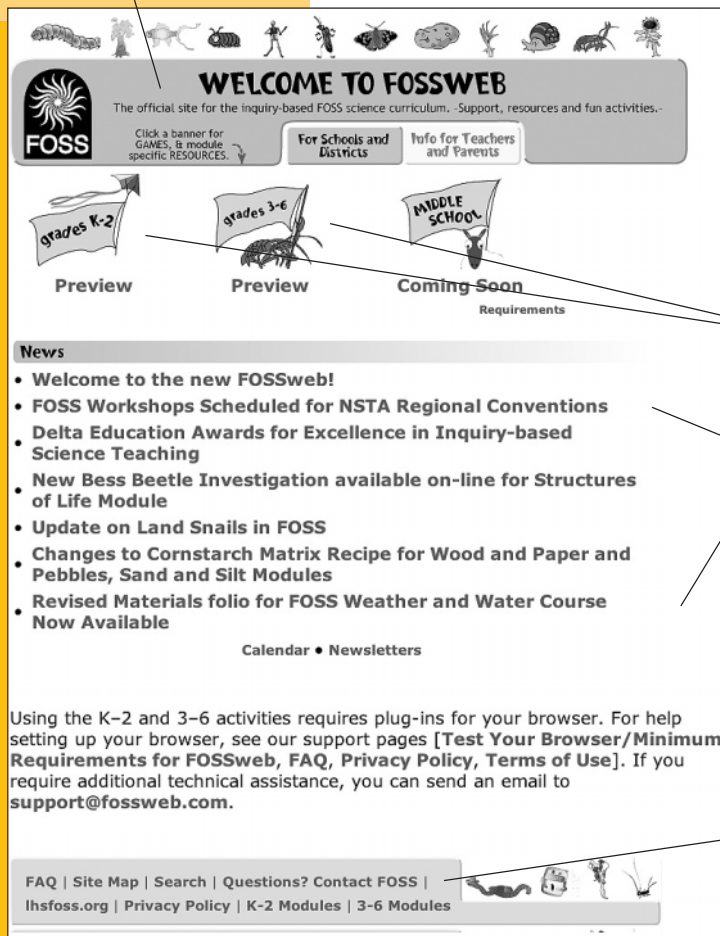
The Welcome page includes links to K–6 modules and middle school courses, news highlights, and support information. Here you will also find links to up-to-date information about setting up your browser, minimum requirements for FOSSweb, and terms of use.

The **banner** allows you to quickly link to information for schools and districts or for parents and teachers.

The **footer** includes links to frequently asked questions about the technical issues of using FOSSweb: a site map, a search function, e-mail contact, the FOSS site, privacy policy information, and module pages. Scroll down a bit more and you'll find links to the Lawrence Hall of Science and University of California homepages.

The banner and footer appear on most pages as navigation tools.

banner



grade-level flags

news highlights

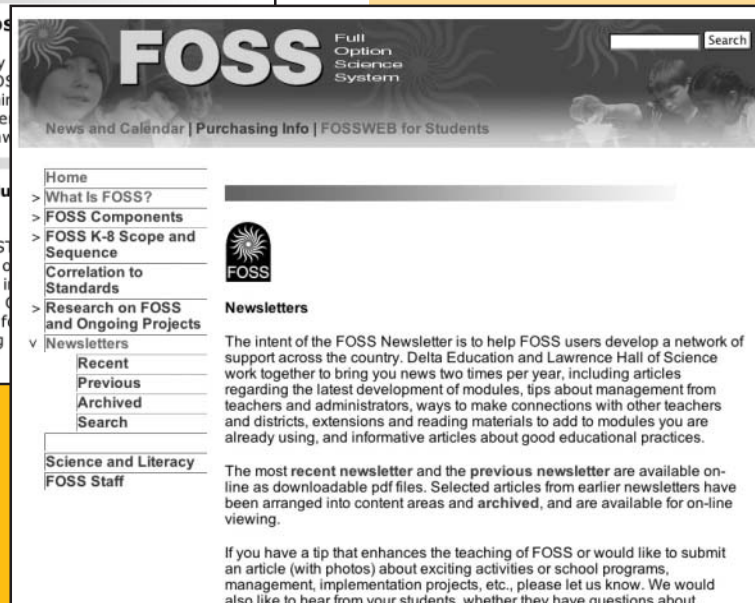
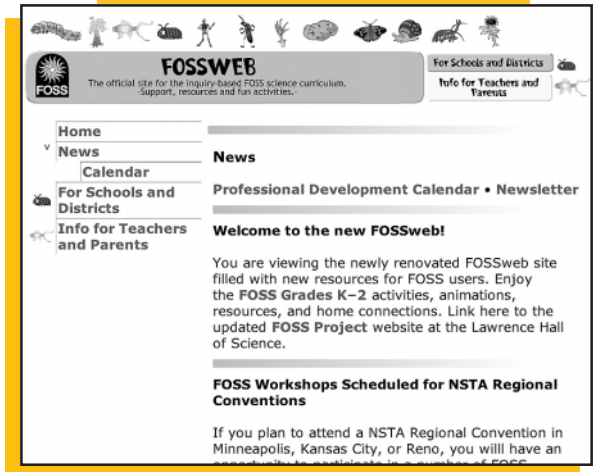
footer



NEWS

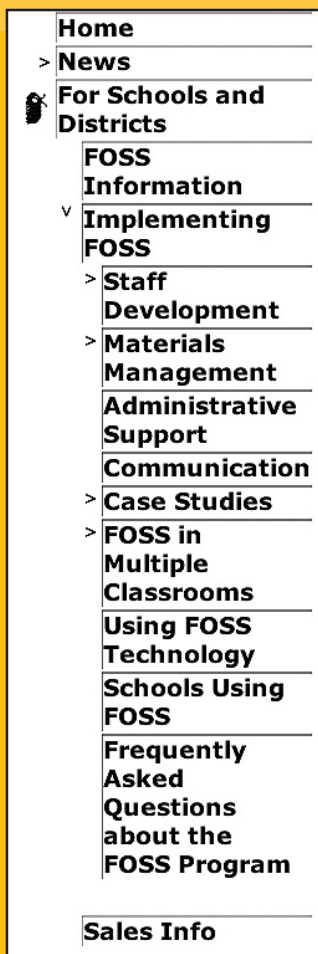
Click News to catch up on the latest news about the FOSS project, such as updates to modules and courses. You can also find information about FOSS professional development workshops or read the latest issues or the archives of the *FOSS Newsletter*.

The *FOSS Newsletter* is at the FOSS site (lhsfoss.org). Delta Education and Lawrence Hall of Science work together to publish the *FOSS Newsletter* twice a year. It has articles on the latest development of modules, tips about management from teachers and administrators, ways to connect with other teachers and districts, extensions and reading materials to add to modules you are already using, and informative articles about good educational practices.



FOR SCHOOLS AND DISTRICTS

When you click For Schools and Districts, the **sidebar** contains the menus for accessing other links.



FOSS Information

FOSS Information links to the information pages at the FOSS site. You can easily return to FOSSweb by clicking FOSSweb for Students in the banner.

Implementing FOSS

Staff Development provides information from FOSS developers and users to assist you in successfully developing staff as you implement FOSS.

Materials Management provides a general discussion about managing FOSS materials plus links to tips for teachers using FOSS, the replacement parts list (for the K–6 and middle school programs), and materials safety data sheets. Use the menu to navigate to other pages: **Links** (information about materials management centers in the United States); **Considerations** (information about housing and managing materials, inventory and replacement of materials, and more); and **Software** (information about the FOSS materials management software, FOSS/Pro and FOSS/Smart, available from Delta Education).

Administrative Support includes suggestions for administrators to facilitate FOSS implementation.

Communication provides suggestions for publicizing your successful FOSS implementation and science events to parents, school, and community.

Case Studies includes several case studies of schools and districts of various sizes that have implemented FOSS. The case studies include information about school and district size, professional development, and other implementation issues.

FOSS in Multiple Classrooms describes the extra equipment and materials needed to use one FOSS module in more than one classroom at the same time. Portable Document Format (pdf) versions of these pages are also available.

Using FOSS Technology provides the technical details you need to successfully access FOSSweb, including the animations, games, and other activities. The information in this section will be updated as new information and practices become available.

Schools Using FOSS has links to schools with websites that include FOSS information. If your school has such a website, please let us know and we'll include you in the list. Send your information to foss@berkeley.edu.

Frequently Asked Questions addresses the FOSS program, its components, and how to implement and maintain it.

Sales Information includes phone numbers and URLs that connect you to sales information at Delta Education (www.deltaeducation.com/foss/index.html). Here you can find links to K–6 and middle school replacement parts lists; correlations to state and national standards; and research reports, case studies, and articles that document the research of FOSS and inquiry-based science.

	Home
>	News
	For Schools and Districts
	Info for Teachers and Parents
>	Resources
>	Materials Management
>	Parents' Corner

INFO FOR TEACHERS AND PARENTS

Click Info for Teachers and Parents for information particularly useful to teachers and parents.

Resources

Module Resources has a searchable database of books, videos, websites, and software for each module. You can search the database by the module title.

Open-Ended Search allows you to search the database by module or course title, keyword, author, Spanish edition, and teacher resource. The database is updated twice a year and includes entries for video, software, and web pages that relate to all FOSS K–8 modules and courses.

Submit a Resource: FOSSweb users can submit resources—books, videos, software, and websites, as well as original pictures, original movies (no copyrighted material), and tips for teaching specific modules. All submissions are moderated and will be approved by FOSS staff before they appear on FOSSweb. If you are sending a movie or picture, please try to keep your file size to a minimum. It is advisable to keep the picture or movie resolution below 600 X 400 pixels. You must agree with the terms of use before submitting anything to FOSSweb, and all materials, once submitted, become the property of the FOSS program.

Replacement Duplication Masters for student sheets and assessments are available by module. Request a password to access the pdf files. To get a password, send a message with your contact information (name, school, district, address, grades, and e-mail) to foss@berkeley.edu.

Materials Management

Materials Management provides information for teachers and parents to help with materials management in the classroom. It has links to the material safety data sheets for chemicals and other materials used in FOSS and to the replacement parts list.

Plant and Animal Care has information about the organisms used in FOSS modules and courses.

Sources for Organisms has information about obtaining organisms.

Parents' Corner

Parents' Corner provides information for parents whose children are engaged in FOSS investigations at school.

Home/School Connection has take-home sheets available as downloadable pdf files. These are the same sheets that appear in the teacher guide. Each FOSS module for grades K–6 includes Home/School Connection activities and math problems of the week.

Where Do I Find...links to a variety of resources, including

- General information about the FOSS program
- Information about specific FOSS modules and courses
- Technology connections for FOSS modules and courses
- Information about books and other resources used to extend FOSS investigations
- Other schools using FOSS



TROUBLESHOOTING AND TECHNICAL SUPPORT

If you experience trouble with FOSSweb, you can troubleshoot the problem in a variety of ways.

1. First, test your browser to make sure you have the correct plug-in and browser versions. Even if you have QuickTime and Flash installed on your computer, they may not be recent enough to run FOSSweb correctly.
2. Check the FAQs or Read Me file, if running FOSSweb from a CD, for additional information that may help resolve the problem.
3. Try emptying the cache from your browser and/or quitting and then relaunching it.
4. Restart your computer and make sure all computer hardware turns on and is connected correctly.

If you are still experiencing problems after taking these steps, send FOSS an e-mail at support@fossweb.com. In addition to describing the problem you are experiencing, include the following information about your computer: Mac or PC, operating system, browser and version, plug-ins and version. This will help us troubleshoot the problem.

NOTE: *To request technical support, send e-mail to support@fossweb.com. Do not use this address for general questions.*

Do not use this e-mail for submission of materials or general questions about FOSS. Instead, send them to foss@berkeley.edu.

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