Agenda

- Learning Center Overview
- New resources
- Using the “My Library” tool

http://learningcenter.nsta.org
Overview
NSTA’s e-PD portal designed to help science teachers address their content/classroom needs.

With over 5,500 resources and practical tools to help you organize, personalize, and document your PD growth over time.

http://learningcenter.nsta.org
October 2010:

Over 67,300 active users with over 492,700 resources across their libraries
The Learning Center has over 5,500 resources

SciGuides [35]
Science Objects [74]
Sci Packs [19]
Archived Seminars/Podcast [350+]

Web Seminars [100/yr]
Short Courses [20+/year]

Journal Articles [3300+]
NSTA Press Books [250+]
e-Books [130+]
e-Chapters [810+]

Symposia [6-10/year]
PD Institutes [6-10/year]
I have used the following resources from the LC

<table>
<thead>
<tr>
<th>Science Objects</th>
<th>Journal Articles</th>
<th>Web Seminars</th>
<th>SciPacks</th>
</tr>
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<tbody>
<tr>
<td>Web Seminar</td>
<td>Podcasts</td>
<td>Online Short</td>
<td>SciPacks</td>
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<td>Courses</td>
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<td>SciGuides</td>
<td>e-Chapters</td>
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</table>
http://learningcenter.nsta.org
Featured e-PD resources

FREE NSTA Science Objects

SciPacks

SciGuides

supported by

NSF
NASA
NOAA
FDA
National Geophysical Research Institute
GE Foundation

S.D. Bechtel Jr. Foundation
The William and Flora Hewlett Foundation
U.S. Department of Transportation National Highway Traffic Safety Administration
Agilent Technologies Foundation

NSTA
2-hour free, self-paced, learning experience

Interactive simulations

Questions to promote interaction and learning

Based on science education standards

Seventy-four (74) currently available
Science Interactive

NSTA SCIENCE SIMULATION: Make a Reef

CONTROL PANEL

- pH
- Temperature
- Light
- Salinity

- 13
- 8
- 4

- 23 - 29 °C
- 17 - 23 °C
- Clear
- 10 - 24 ppt

- 41 - 55 ppt

- No Light
- Murky
- 25 - 40 ppt
I have used science simulations from the LC with my students

<table>
<thead>
<tr>
<th>Yes</th>
<th>No. But I think I will.</th>
<th>No. I do not think it would be useful.</th>
<th>I need to learn more</th>
</tr>
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</table>
Featured e-PD resources

supported by

[Logos of various organizations and foundations]
3-5 Science Objects

Unlimited Content

Mentor Email Support

Assessment and Certification Opportunity

SciPack

Pedagogical Implications Component
Welcome

To access your SciPack, refer to the Table of Contents below.

1. Select your SciPack from the Select drop-down list
2. Click Find
3. To expand the SciPack Table of Contents, click on the SciPack title or click the + next to the SciPack title
4. Click the name of the section you would like to view

When you have only one SciPack, start with Step 3 above.

Table of Contents

Select: Force and Motion

SciPack | Completion | Last Accessed
--- | --- | ---
Orientation | | Not Accessed
Force and Motion | | 07/10/07 8:44 AM
Position and Motion | | 07/10/07 8:44 AM
Newton's First Law | | Not Accessed
Newton's Second Law | | Not Accessed
Newton's Third Law | | Not Accessed
Force and Motion Final Assessment | | Not Accessed
Glossary | | Not Accessed
Pedagogical Implications | | Not Accessed
Learning Set | | Not Accessed
Featured e-PD resources

supported by

[Logos and icons of various organizations]
Valuable classroom resources for science teachers interested in integrating the web into their teaching

- Each SciGuide consists of:
  - Customized lesson plans using selected web resources
  - Approximately 100 standards-aligned web-accessible resources
  - Teacher media vignettes describing and showcasing the lessons
  - Samples of student work
  - Science Interactives utilized in SciPack on same topic
Let’s pause for general questions about the Learning Center
What’s new?
SciPacks
BUILDING CONTENT KNOWLEDGE

Atomic Structure

Nutrition
Atomic Structure

Science Objects:
- Investigating Atoms
- Properties of Atoms
- Energy in Atoms
Nutrition

Science Objects:
• What is Food?
• What Happens to the Food I Eat?
• What Are Nutrients?
• What Choices Lead to a Healthy Lifestyle?
Let’s see a new Science Interactive

Skeletal System

This system works together with the nervous and muscular system to help you move. The bones that make up your skeletal system are produced and maintained by several types of cells. One type, osteoblasts, are the essential bone forming cells that lay down proteins, like collagen, that are then hardened through the addition of calcium and other minerals. As in all body processes, energy is required to keep it going.
Add Science Objects to your “Library”
Go to Learning Center Home Page
http://learningcenter.nsta.org
See All Science Objects or Display Science Objects by Subject Area
Add a Science Object to Library

Chemical Reactions: Rates of Chemical Reactions

Science Object

Science Objects are two hour on-line interactive inquiry-based content modules that help teachers better understand the science content they teach. This Science Object is the third of four Science Objects in the Chemical Reactions SciPack. It demonstrates... [view full summary]

Member Price: Free    Nonmember Price: Free

Grade Level: Elementary School, Middle School
Which of the new SciPack titles are you going to try first?

<table>
<thead>
<tr>
<th>Atomic Structure</th>
<th>Nutrition</th>
<th>I would like to try a different SciPack title</th>
</tr>
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<tbody>
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</tbody>
</table>
• Nutrition: Grades K-4
• Nutrition: Grades 9-12
• Science of Food Safety: Grades K-4
• Science of Food Safety: Grades 9-12
• Journal Articles
• e-Book Chapters
• Web Seminar Archives and Podcasts
• Online Courses
Add other resources to your “Library”
Go to **Learning Center Home Page**

http://learningcenter.nsta.org
Find resources by:

- Subject
- Learning Resources & Opportunities
- All FREE Resources
- All FREE Lesson Plans
- Advanced Search
- Grade Level
- State Standards
- Learning Preference

Now you try it!
Advanced Search
Let’s pause for questions about resources in the Learning Center
Using the Learning Center Library
My Library

• Store and annotate NSTA resources
• Upload your own resources
• Create personalized collections
• Share your collections with individuals, group, or make public

http://learningcenter.nsta.org
Upload your own resources to *My Library*

- Word docs
- Excel files
- PPT pres.
- URLs
- Images
Try it!
Add a personal resource, or a URL to your “Library”
What type of resources did you add to your “Library”? 

<table>
<thead>
<tr>
<th>Word documents</th>
<th>PPT presentations</th>
<th>URLs</th>
<th>Images</th>
<th>Excel spreadsheets</th>
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</thead>
<tbody>
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</table>
Create a Collection

• NSTA & personal resources
• Share collections with one person or many
• Make your collection public
Welcome to your collection of professional development resources. Select from the links and tabs below to access your NSTA resources, your uploaded items, organize them into collections, and then share your collections with others.

Collections enable you to group together and organize your NSTA resources. You may also share collections with friends and colleagues.

To create a new collection:
- Click "Start a New Collection" below; fill in the brief form and click "Submit"
- Choose items from your library, our resource search page, or upload your own files to add to the collection
- NOTE: NSTA resources must first be added to your library before they can be added to a collection
- For more help view the My Library Help Guide (1.24 MB PDF) to see screen shots and step-by-step instructions

<table>
<thead>
<tr>
<th>Title</th>
<th>Created</th>
<th>Shared by</th>
<th>Shared</th>
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</thead>
<tbody>
<tr>
<td>Climate Change Here and Now:</td>
<td>9/10/2010</td>
<td>The Learning Center</td>
<td>9/10/2010</td>
</tr>
<tr>
<td>Earth Day PD Resources for Teachers of Science</td>
<td>4/12/2010</td>
<td>The Learning Center</td>
<td>4/12/2010</td>
</tr>
<tr>
<td>FDA/CFSAN: Food Irradiation</td>
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### My Collections

- **Title:**
- **Description:** Why did you put these resources together and what is the intended use?
- **Grades:**
- **Make it Public:** Allow other users to find this collection within search results.

### Collections Shared With Me

- **Climate Change Here and Now:**
  - 7 items
  - Created: 9/3/2010
  - Shared by: The Learning Center
- **FDA/CFSAN: Food Irradiation:**
  - 7 items
  - Created: 9/10/2010
  - Shared by: The Learning Center
- **SCIENCE CLASS Elementary Edition:**
  - Oct. 2010, Process Skills
  - 8 items
  - Created: 9/13/2010
  - Shared by: The Learning Center
- **Summer PD Resources:**
  - 5 items
  - Created: 5/4/2010
  - Shared by: Flavio Mendez
Welcome to your collection of professional development resources. Select from the links and tabs below to access your NSTA resources, your uploaded items, organize them into collections, and then share your collections with others.
Share a Collection

My Library: Resource Collections

Welcome to your collection of professional development resources. Select from the links and tabs below to access your NSTA resources, your uploaded items, organize them into collections, and then share your collections with others.

My NSTA Resources  My Uploaded Resources  My Resource Collections

Collections enable you to group together and organize your NSTA resources. You may also share collections with friends and colleagues.

To create a new collection:
- Click "Start a New Collection" below, fill in the brief form and click "Submit"
- Choose items from your library, our resource search page, or upload your own files to add to the collection
- NOTE: NSTA resources must first be added to your library before they can be added to a collection
- For more help view the My Library Help Guide (1.24 MB PDF) to see screen shots and step-by-step instructions

My Collections

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<td>9/10/2010</td>
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<td>Birthway Resources for Teachers of Science</td>
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<td>NSTA REPORTS Freebies Column</td>
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Collections Shared With Me

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<td>The Learning Center</td>
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<tr>
<td>Summer PD Resources</td>
<td>Flavio Mendez</td>
<td>5/4/2010</td>
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</table>
Welcome to your collection of professional development resources. Select from the links and tabs below to access your NSTA resources, your uploaded items, organize them into collections, and then share your collections with others.

**Climate Change**

*Intended for:* Elementary, Middle, High school

- Share this Collection
- Make this Collection Private

Currently displaying items: 1 - 8 of 8


**Type:** Symposia Archive

**Days Remaining:** Unlimited

**Grade:** Middle School, High School, Informal Education

**Summary:** During this half-day Symposium, scientists and education specialists from SRS, NOAA, and USFS talked about the basic science behind our understanding of climate change, and global impacts on the atmosphere, ecosystems (particularly forests), and oceans...
My Library:

Welcome to your collection of professional development resources. Select from the links and tabs below to access your NSTA resources, your uploaded items, organize them into collections, and then share your collections with others.

My NSTA Resources  My Uploaded Resources  My Resource Collections

Climate Change

Intended for: Elementary, Middle, High school

Make this Collection Private

Need to share with one person?

Email of recipient: 

Additional note: (optional)

Need to share with multiple people?

Copy the URL below and paste it into your email client. You are free to share this URL with anyone. When the recipient visits the link, they will be taken to a view of this collection. They will be able to save the collection to their own library if they log in or register.

http://learningcenter.nsta.org/share.aspx?id=mmwEWoQaE2

Share  Cancel
Create and Share a Collection
• Recover password
• Submit a ticket
• How to Guide - files
• System Check
• FAQ
• Phone Support
  (M-F), 9 am – 6 pm ET
Let’s pause for questions about your Learning Center Library
What’s next for the Learning Center?

Learning Center
Community
Learning Center
Online Advisors

- 30 educators provide support
- live and asynchronous
- 7 days/week; ~60 hours/week

Wendy Ruchti
Wendy Ruchti has been part of the Educational Foundations Department at Idaho State University’s College of Education since 2008. She received a PhD in Education from the University of Idaho in 2005 with an emphasis in curriculum and instruction in STEM education. At ISU, she has taught several educational foundations courses. Her research interests include elementary science education and creating collaborative online learning environments. Before coming to ISU, she taught middle school science and math.

Lara Smetana
Lara Smetana is an assistant professor of science education at Southern Connecticut State University. She brings classroom experience as an 8th grade physical science teacher and has worked with a variety of informal education programs across the country. Lara teaches courses in elementary science methods and educational technology and mentors student teachers. Her research interests include pre- and in-service teacher education and the use of educational technology in science teaching and learning.

Kathy Sparrow
Dr. Kathy Sparrow is currently an adjunct professor at Florida International University (FIU), teaching Elementary Science Methods. She previously worked as a middle and high school science teacher as well as the Science Supervisor for Akron Public Schools. She was a Regional Director for SECO, served on the NSTA Board of Directors and was president of the National Science Education Leadership Association (NSELA). Kathy was also awarded the Outstanding National Science Supervisor Award in 1999.
Live Support

• One-on-one live chat with Online Advisors

• Online Advisors can help LC users identify e-PD resources
Welcome to Online Support!

Fields marked with * are required

Please select the department you would like to reach:
- Online Advisor
- Online!

Your Name: Jay *

Your Question:
Do you have Life Science resources in the Learning Center? *

Start Chat
Jay:
Do you have Life Science resources in the Learning Center?

Call accepted by operator Flavio Mendez, Senior Director. Currently in room: Jay, Flavio Mendez, Senior Director.

Flavio Mendez, Senior Director:
Hello Jay, this is Flavio Mendez. Thank you for visiting the Learning Center.

Flavio Mendez, Senior Director:
Have you tried using the Advanced Search to find what you are looking for?

Jay:
Yes, wondering if you had something I can use to review "cells."

Flavio Mendez, Senior Director:
Check out this Science Object: http://learningcenter.nsta.org/product_detail.aspx?id=10.2505/7/SCB-CSF.1.1

Jay:
This is very helpful, thanks.

Flavio Mendez, Senior Director:
Anything else that I can help you with today?

Jay:
No thanks!

Jay:
Good bye

Flavio Mendez, Senior Director:
Thank you for visiting the Learning Center.
Discussion Forums *(asynchronous)*

- Four public forums
- In-depth discussions about content, classroom practice, and e-PD resources
- Online Advisors participate in the discussion

http://learningcenter.nsta.org/discuss
Collaborators
Don’t forget the web seminar evaluation
and your FREE SciPack

<table>
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<tr>
<th>Completed</th>
<th>Earth &amp; Space 8 Topics</th>
<th>Physical 6 Topics</th>
<th>Life 5 Topics</th>
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<td>Earth, Sun &amp; Moon</td>
<td>Force &amp; Motion</td>
<td>Cell Structure &amp; Function</td>
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</tbody>
</table>
Flavio Mendez
Senior Director
NSTA Learning Center
PH: 703-312-9250
Email: fmendez@nsta.org
Questions?

http://learningcenter.nsta.org
Thank you to the sponsor of tonight's Web Seminar:
National Science Teachers Association
Dr. Francis Q. Eberle, Executive Director
Zipporah Miller, Associate Executive Director
Conferences and Programs
Al Byers, Assistant Executive Director e-Learning

NSTA Web Seminars
Paul Tingler, Director
Jeff Layman, Technical Coordinator

LIVE INTERACTIVE LEARNING @ YOUR DESKTOP