



NSTA Learning Center Update

Presented by: Flavio Mendez

February 16, 2011

Agenda

- What is the Learning Center?
- New features
- New Resources



<http://learningcenter.nsta.org>



Learning Center

Overview

- A **community** of teachers to share ideas, questions, experiences
- Over 6,000 **resources**
- Practical **tools** to teachers organize, personalize & document their growth over time

The screenshot shows the homepage of The NSTA Learning Center. At the top, there's a navigation bar with links: Back to NSTA.org, Contact Us, Help, and Feedback. The main header features the NSTA Learning Center logo and a search bar with the text "Search the Learning Center". Below the header is a horizontal menu with tabs: Home, My PD Tools, Subjects, Learning Resources & Opportunities, Discussion Forums, and Education Administrator.

The main content area is divided into several sections:

- Welcome to Your Professional Development:** A text block explaining that the Learning Center is NSTA's e-professional development (PD) portal, offering access to over 6,000 resources, with over 1,800 being free. It mentions tools like My Library, My PD Record, and My PD Plan and Portfolio. A small image of a smiling woman is included.
- NEW: Earn as you learn!** A section about collecting points and badges for professional development, with icons for various activities.
- NEW: Live Support!** A section about chatting with online advisors.
- Explore Learning Opportunities:** A section with links to "See all FREE Lesson Plans" and "See all FREE Resources".
- Login:** A section with fields for E-mail and Password, a LOGIN button, and links for "I'm an NSTA member but I don't have a password", "Register Now for Free", and "Lost password?".
- Growing in the Right Direction!** A section celebrating over 547,000 additions across teachers' personal libraries, with a "Start Your FREE Collection TODAY!" button.
- Most Popular Resources:** A section at the bottom right.

The NSTA Learning Center



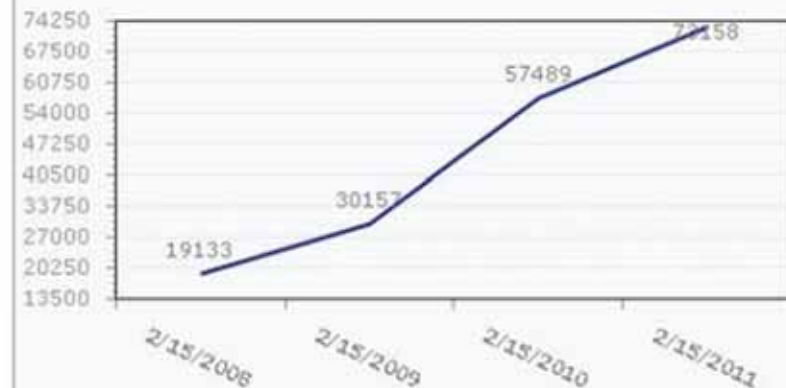
February 2011:

Over 73,000
active users with
over 551,000
resources across
their libraries

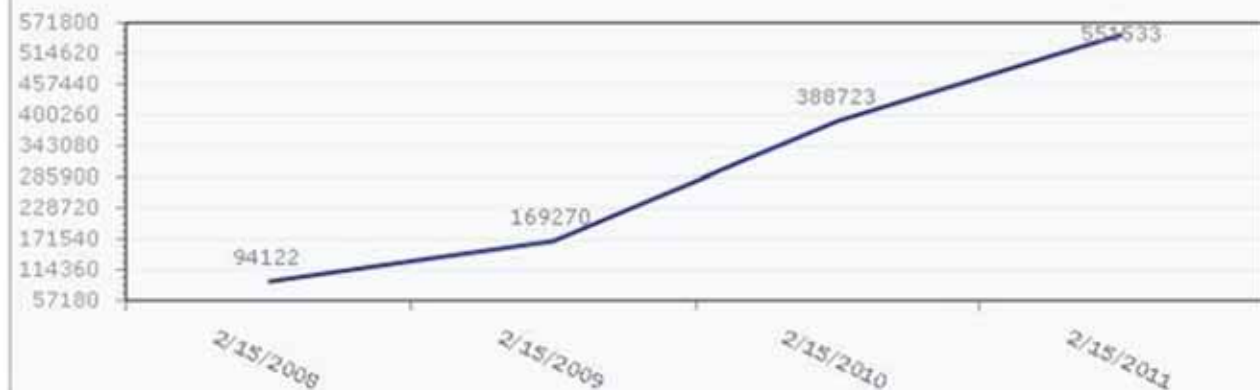
73,158 Active Users*



Active User Growth



551,533 Resources in Libraries





The Learning Center has over 6,000 resources



Do-It-Yourself Learning

SciGuides [36]
Science Objects [80]
SciPacks [21]
Archived Seminars/Podcast [550+]



Live Online Seminars & Classes

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



Books & Articles

Journal Articles [3800+]
NSTA Press Books [250+]
e-Books [130+]
e-Chapters [780+]



In Person Experiences

Symposia [6-10/year]
PD Institutes [6-10/year]

[Back to NSTA.org](#) [Contact Us](#) [Help](#) [Feedback](#)

THE NSTA Learning Center

Search the Learning Center

[Home](#)

[My PD Tools](#)

[Subjects](#)

[Learning Resources
& Opportunities](#)

[Discussion
Forums](#)

[Education
Administrator](#)

My Learning Center

Welcome, Flavio :: [Admin](#) | [Log Out](#)

[Welcome](#)

[My
Library](#)

[My
PD Indexer](#)

[My PD Plan
and Portfolio](#)

[My PD Record
and Certificates](#)

[My
Calendar](#)

[My
Notepad](#)

[New: Discussion
Forums](#)

[Help
Desk](#)

Welcome to Your Professional Development Web Space!

Flavio, you've already earned **4325 Activity Points!**

Activity Progress Bar

You've recently earned:



Web Seminar Activator
[Attend Web Seminars](#)

You're close to earning:



Sapphire Commenter
[Post 15 more comment/questions](#)

Your Activity Matters!
It reduces
your
carbon
footprint!



Be sure to **update your profile and review your points & badges!**

With these resources you can build your professional development plan, track your activities and assess your progress. You can start at "Explore Learning Opportunities" below or by creating your game plan with the PD Plan and Portfolio tool. You may also review an [archived Web Seminar](#) or a [multimedia overview](#) of the Learning Center.

NEW LIVE SUPPORT



Online
Advisors
now
available!

Featured PD Resource



**Science
OBJECTS**



Force and Motion: Position and Motion

Explore Learning Opportunities

[Advanced Search](#)

[See all FREE Lesson Plans](#)

[See all FREE Resources](#)



**LIVE SUPPORT
ONLINE**

[Click here](#)




When did you start using the Learning Center?

In 2008 – when it was unveiled	Six months to a year ago	Recently, within the last month

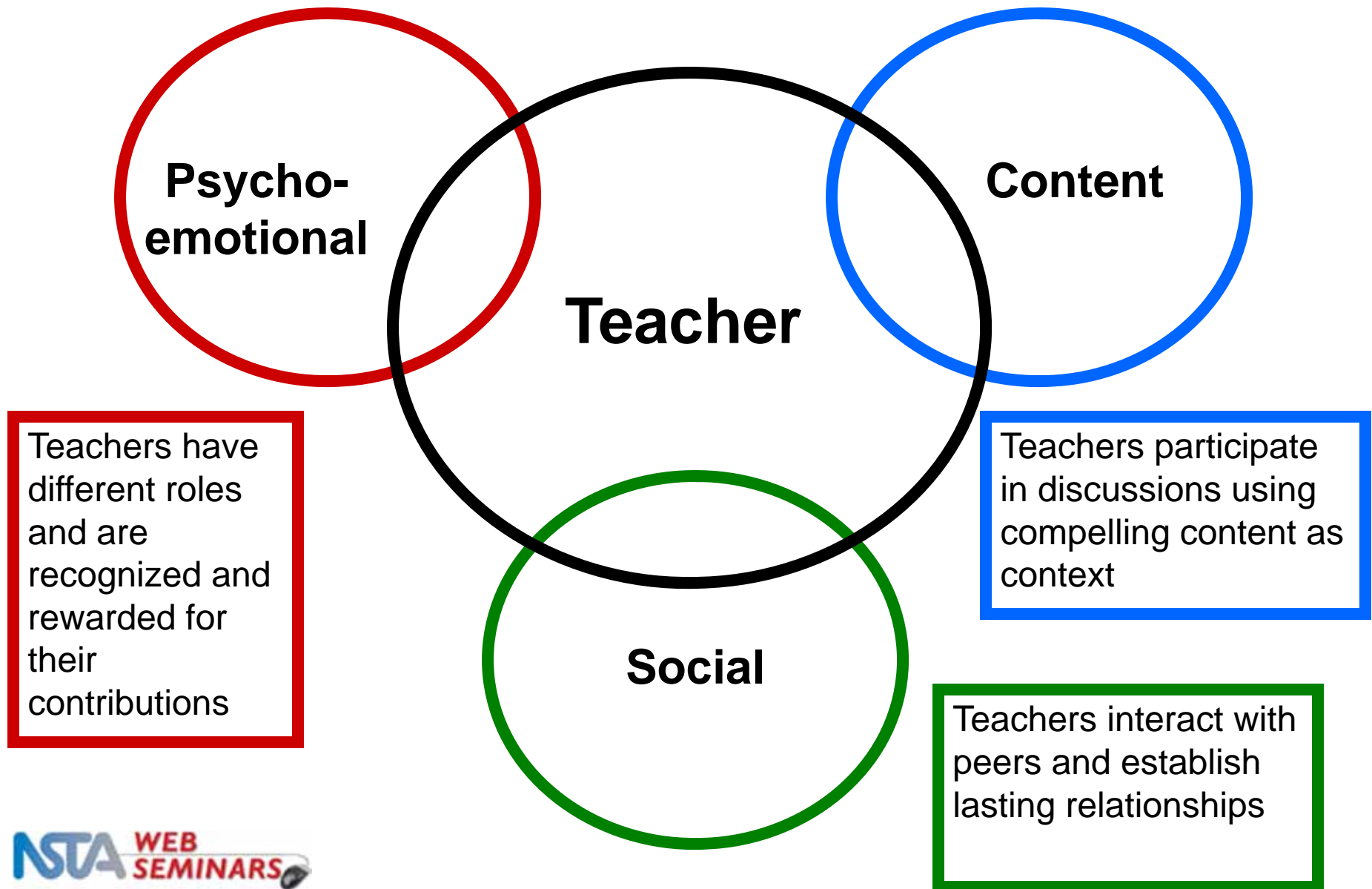
What are its best features?

Easy to navigate	Variety of resource types	Technical and advisory help
The tools (Library, PD Plan, etc.)	Always open	Standards-based



Learning Center **Community**


Building a Teacher-centered community



User Profile

- Share with others about you, interests, goals, expertise
- Display your badges, points awarded for community building activities:
 - ✓ Aggregate
 - ✓ Disseminate
 - ✓ Advocate
 - ✓ Comment

Learning Center Profile




Patricia Rourke


[1130 Activity Points](#)


Affiliation: Science Technology Consultant


Location: Arlington, VA and Cape May Point, NJ


Badges:



**Aggregator:** Add personal resources to your library

**Disseminator:** Share your resource collections


**Advocator:** Review and rate resources

**Commenter:** Post in the Discussion Forums

[View all activities](#)

Badges Yet to be Earned

[Visit the activities page](#) to learn how you can earn points and badges. The NSTA Learning center awards badges based on activities performed within the website. Pursuing badges is a great way to explore all the resources and professional development tools the Learning Center has to offer.



Contact

IM: Patty Rourke

Statistics

Joined: Tue Nov 29, 2005 11:01 AM

Last Visited: Yesterday, 9:04 PM

Total Posts: 152

Recent Posts

Tue Nov 30, 2010 7:33 PM in [Force and Motion with Kindergarten](#)

Hi Kathy,

Now that you've snagged our attention, please upload and share your lesson plan and for sure, tell us all about how it was received in Alabama. We look forward to it :)

Cheers,

Patty R

[View Full Post](#)

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THE NSTA Learning Center

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Learning Resources
& Opportunities

Discussion
Forums

Education
Administrator

My Learning Center

My Profile

My Library

My PD Indexer

My PD Plan & Portfolio

My PD Record & Certificates

My Calendar

My Notepad

Discussion Forums

My Help Tickets

Give Us Feedback

Welcome, Flavio  [Admin](#) | [Log Out](#)

Welcome

PD Plan
& Portfolio

My PD Record
and Certificates

My
Calendar

My
Notepad

New: Discussion
Forums

Help
Desk

Welcome

Flavio, you

You've rec



Web
Seminar
Attention

Activity Points!

are close to earning:

Sapphire Commenter

[Post 15 more comment/questions](#)

Activity Progress Bar

Your Activity Matters!

It donates
Books and
Pencils!



Be sure to **update your profile and review your points & badges!**

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NEW LIVE SUPPORT



Online
Advisors
now
available!

Featured PD Resource



Science
OBJECTS



Force and Motion: Position and Motion

Learning Center Profile

[Edit My Profile](#)



Flavio Putnam

[0 Activity Points](#)

Welcome: **Complete this space and upload your thumbnail image:**

Your profile is a professional reflection for others to learn about you as they view your contributions to this learning community. As you create, rate and share resources and collections of resources you will earn points and badges that will travel with you and reflect your contributions to the community. You are not an island unto yourself, but connected to a larger group of like-minded colleagues at various levels of experience. Get connected and engaged by contributing your ideas to the [discussion forums](#), uploading your best resources into a [public collection for others to try](#), and if you have a question, be sure to tap the [live online advisors](#).

[So let's get started!](#) Upload an image of yourself, let us know who you are, and become part of this dynamic community and the resources we can share amongst each other!



Aggregator: Add personal resources to your library



Disseminator: Share your resource collections



Advocator: Review and rate resources



Commenter: Post in the Discussion Forums

[View all activities](#)

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Community Profile

Any information shared in this Community Profile section is publicly available to all registered users of the Learning Center.



[Change Profile Pic](#)

School / Work Affiliation

About Me

Location

IM Screen Name

Twitter

Facebook

Skype Name

S
U
B
M
I
T





Complete your community profile

Explore Learning Opportunities
[Advanced Search](#) [See all FREE Lesson Plans](#)
[See all FREE Resources](#)

By Subject
 • Earth & Space Science
 • Life Science
 • Physical Science

By Grade Level
 • Elementary
 • Middle School
 • High School
 • College

By State Standards
 Select your state to begin:
 Choose a state

Do-It-Yourself Learning
 Learn at your own pace online with these 1-2 or 6-10 hour interactive activities.
[SEE ALL DIY LEARNING RESOURCES](#)

Live Online Seminars & Classes
 Learn online from certified instructors with your colleagues. 1-2 hour seminars, week and month long courses are available. Earn state and university credit.
[SEE ALL ONLINE EVENTS](#)

Books, Articles & Websites
 • Books
 • Book Chapters
 • eBooks
 • Journals
 • SciLinks

In Person Experiences
 Attend an NSTA workshop in person to learn hands-on techniques with other teachers. Earn state and university credit.
[SEE ALL IN PERSON EVENTS](#)

Our Content Collaborators

NSTA Learning Center Underwriters

The Learning Center is NSTA's e-professional development portal to help you address your classroom needs and busy schedule. You can gain access to more than 5,800 different resources that cater to your preference for learning. Over 1,700 resources, such as journal articles, science objects, podcasts and web seminars are available [for free](#). Other resources include SciPacks, SciGuides, and Short Courses. A suite of practical tools including *My Library*, *My PD Record*, *My Professional Development Plan and Portfolio*, *My Calendar*, *My Notepad*, and *My PD Indexer* are available to help you organize, personalize, and document your growth over time. If desired, you may review an [archived Web Seminar](#) overview of the NSTA Learning Center, or download the ["How to Guide"](#) PDF (2.7 MB).

LIVE SUPPORT ONLINE
[Click here](#)

NSTA Featured Resources
NSTA SciPacks
 You Deserve the Credit!
[RSS](#) [SHARE](#) [Facebook](#) [Twitter](#) [LinkedIn](#)

Most Popular Resources

Reminders & Opportunities

Who is Online

Lisa Bengert, Jacqueline Carl, Victoria Chudy, Susan German, Dileida Gracia, Susanne Hokkanen, Heidi Keller, Flavio Mendez, Katie Pinner, Chuck Schepke, Scheide, Tara Solter-Walt, Ashli Stock, Nicole Sutor, David White, Polly White, Kristin Winslow, Kendra Young ...



Who is Online

- Find other Learning Center users
- Read their profiles, see their badges, points
- Read their most recent discussion forums posts and respond



Learning Center

Activity Points

Learning Center Activity Points



A screenshot of a web interface showing a list of activities with icons and descriptions. The activities are: Aggregator (DNA icon), Disseminator (share icon), Advocate (magnifying glass icon), and Commenter (speech bubble icon). Below these is a link 'View all activities' which is circled in red.

-  **Aggregator:** Add personal resources to your library
-  **Disseminator:** Share your resource collections
-  **Advocator:** Review and rate resources
-  **Commenter:** Post in the Discussion Forums
- [View all activities](#)

- Earn points/badges while completing tasks in the LC
- Badges displayed in User Profile and Discussion Forums
- Auto Donations made on your behalf

Exploring strategies that help build online communities of practice

LOGIN ::

Welcome, Dawn

[Log Out](#)



[Hours of Operation](#)

ADVANCED SEARCH

[Advanced Search](#)

Learning Center Activity Points

Below is a list of the different types of activities you can do within the Learning Center to earn points and recognition for your efforts as you review, aggregate, rate, share and discuss your personal and e-PD resources and opportunities from NSTA.

[Activity Points](#) [Auto Donations](#)

Add an NSTA resource to your Learning Center Library

10 Activity Points (AP)

[How to add a resource to your library](#)



NSTA Resource Activator - Add 5 NSTA resources to your library



NSTA Resource Optimizer - Add 10 NSTA resources to your library



NSTA Resource Accelerator - Add 20 NSTA resources to your library

Aggregator: Add a personal resource to your LC library

10 Activity Points (AP)

[Upload a personal resource](#)



Onyx Aggregator - Add 5 personal resources to your library



Sapphire Aggregator - Add 30 personal resources to your library



How many Activity Points do you have?

0	1-30	31-100	101-300	301+



Learning Center

Discussion

Forums

Discussion Forums

- Linked to User Profile
- Display recognition badges
- Integrate all NSTA content
- Attach user files (Word, images, URLs, Excel)

NSTA Learning Center Discussion

[Home](#) > [Discussion Group Three - Week One](#) > [Task 1: Learning Center Collection](#)
1 person currently browsing this forum

[POST REPLY](#) [WATCH THIS TOPIC](#)

by [Walter Woolbaugh](#), Fri Aug 27, 2010 2:39 PM

Hi:

In order to begin understanding the Learning Center collection system, we'd like you to begin your collection with at least three items from the Learning Center. First, on the Learning Center page click on the tab that says "My Account." You might explore what each of the tabs under this are all about. Then you might click on "My Library," and begin to explore this idea of collections. As we've been doing, open up each of the tabs so you can become familiar with them (you can do this process with all the tabs in the Learning Center). You might take a look through the various items that we've just explored and see which ones might best suit your needs in terms of adding to your own collection. Once you have at least three items, please share in this thread what you have listed in your collection, and why you included these particular items. Thanks for doing this.

Your final step will be to share this collection with me (walter@montana.com - just hit the "share" button and select "email.") Also please leave the box checked

[REPORT](#)

by [Patricia McGinnis](#), Sat Aug 28, 2010 10:52 AM

Subject: Patty McGinnis' Collection

I will be working with gifted students this year as a gifted resource specialist so I have started my collection with items that I can use with the gifted students. I have selected 3 articles from NSTA journals and 3 archived webinars about science competitions like Exploravision. Normally teachers don't have time in the curriculum to conduct competitions. It is my hope that I can build a program that would include all sorts of challenging activities for students, including science competitions.

[REPORT](#)


by [Patricia Rourke](#), Mon Aug 30, 2010 11:43 AM

This will be interesting since I just went in and copied my current Library Profile and attached it below. I will take the time to explore NSTA Resources with new eyes looking for items that may be useful to us as on-line advisors. As I scanned the posts prior to this one, and I am sure those that will follow, I know that there will be additional areas selected by you that I will want to explore also. My current profile reflects my recent collaboration with NSTA.

Attachments


[P&R Library Profile Aug 30.pdf](#) (0.07 MB)

[REPORT](#)





Walter Woolbaugh

Posts: 202




Patricia McGinnis

Learning Center Activity Points: 
Posts: 28



Patricia Rourke

Learning Center Activity Points: 
Posts: 55

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Sapphire Commenter
[Post 15 more comment/questions](#)

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Activity Progress Bar

Your Activity Matters!
It reduces
your
carbon
footprint!



NEW LIVE SUPPORT



Online
Advisors
now
available!

Featured PD Resource



**Science
OBJECTS**



[Force and Motion: Position and Motion](#)

Explore Learning Opportunities

[Advanced Search](#)

[See all FREE Lesson Plans](#)

[See all FREE Resources](#)



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ONLINE**

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Discussion Forums (*asynchronous*)

- Five public forums
- About content, classroom practice, resources, etc.






Discussion Forums

Below are group forums that you may join. Post to existing topics or start your own! All NSTA resources, personally uploaded resources, and collections may be shared and commented upon within these discussions.

 [Hours of Operation](#)

26 people currently online

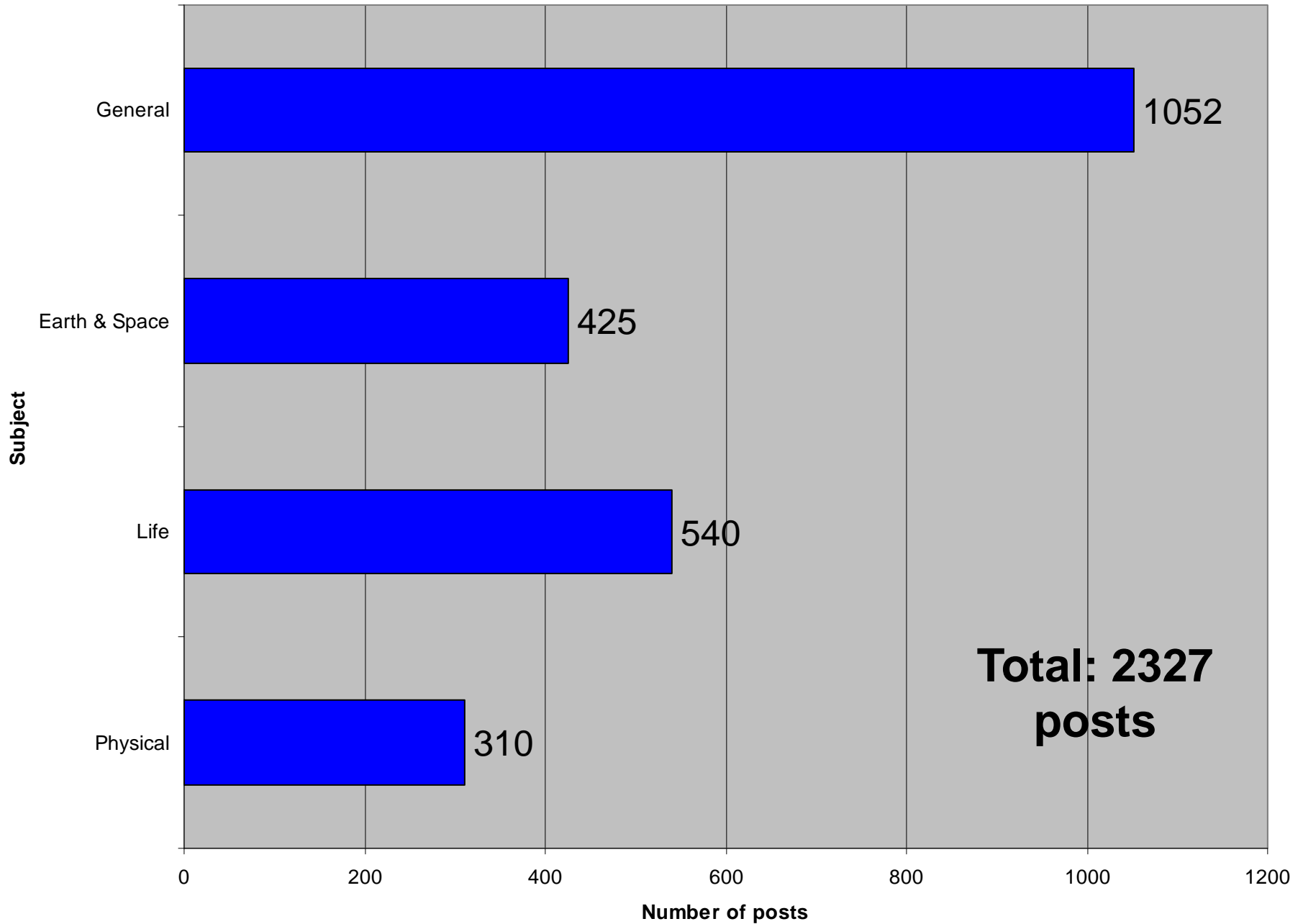
Public Forums

Forum	Last Post
 Life Science A public forum.	29 Topics 540 Posts by Patricia Rourke Yesterday, 7:34 PM Environmental Science
 Physical Science A public forum.	22 Topics 310 Posts by Steve Werner Yesterday, 11:32 PM Physical Science in the News
 Earth and Space Science A public forum.	31 Topics 426 Posts by Adah Stock Today, 10:04 AM Earth Science Standards
 General Science and Teaching A public forum.	85 Topics 1053 Posts by Jan Tuomi Today, 12:15 PM Topics in Science Course
 Evaluation and Assessment A public forum discussing formative, sumative, and dynamic assessments and evaluations.	2 Topics 5 Posts by Dorian Janney Yesterday, 8:17 PM Evaluating Science Programs

Who is Online

Sean Andersen, Debra Bridges, Michelle Brown, Cheryl Dix, Cheryl Dix, Sharon Euler, Eddie H, Julie Heintz, Danielle Hoffman, Marcella Jimenez, Leigh Lace, Renee Lodi, Flavio Mendez, Judy Meredith, Arturo Navar, Melissa Ocker, Gina Peters, Julie Poth, heidi putman, Joel Rolon, nancy shock, Gerald Skoog, Allyson Streeper, Debbie Tomlin, Jan Tuomi, Jennifer Wyland

Number of posts by subject



Have you posted a comment on the
Discussion Forums?



Yes	No	Plan to in the next week.

Learning Center

Online Advisors

Learning Center Online Advisors

- Educators who moderate discussion, assist users
- 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.



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[See all FREE Resources](#)



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Reviewing resources and making collections



Number of reviews made by Online Advisors	Number of collections created by Online Advisors
556	58



???

Learning Center

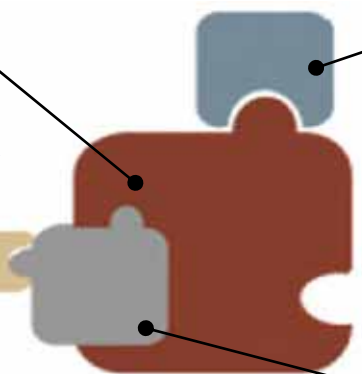
e-PD Resources



3-5 Science Objects



Unlimited Content
Mentor Email
Support



SciPack



Assessment and
Certification
Opportunity



Pedagogical
Implications
Component



- 2-hour **free**, self-paced, learning experience
- Interactive **simulations**
- Questions to promote interaction and learning
- Based on **science education standards**
- Eighty (**80**) currently available





What's new?



Cell Division and Differentiation:

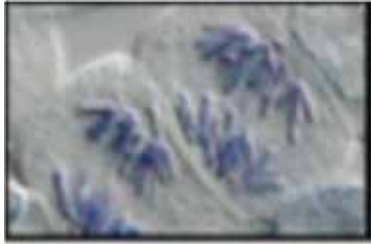
- Continuity of Life
- Variation and Specialization of Cells
- Multicellular Organization



Explaining Matter with Elements, Atoms, and Molecules:

- Characteristics of Elements
- Classifying the Elements
- Evidence for Atoms and Molecules





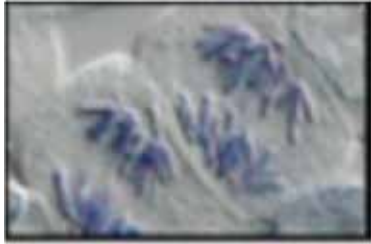
Cell Division and Differentiation

SciPack

Continuity of Life Science Object

KEY IDEAS: Based on NSES and AAAS Benchmarks

- Cells carry on the many functions needed to sustain life, including cell growth and development.
- Complex interactions among the different kinds of molecules in the cell cause distinct cycles of activities, including cell growth and division.
- Cells in multicellular organisms repeatedly divide to make more cells for growth and repair.



Interactive Simulation

Designed to meet at least

- one Key Idea and
- one Evidence of Understanding



RESTARTMITOSIS MATCH-UPINSTRUCTIONS

1234567

?

?


?

?


?

?


?

















Cell Cycle Stages

Your Challenge:

Drag each cell, from the bottom, into the area that indicates its order in cell division. Position "1" marks the beginning of cell division while position "7" will be the completion of cell division.

ResetSubmit

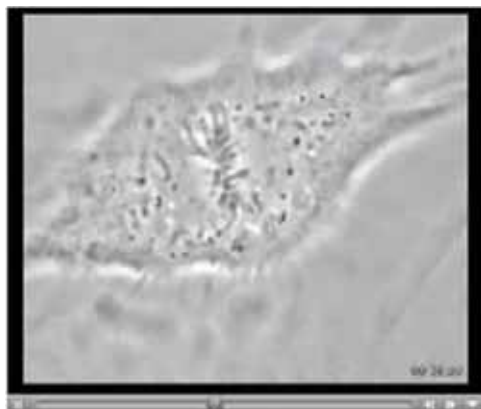


Evidences of Understanding (EOUs)

For which EOU was the Mitosis Matchup simulation designed?

CDD 1.1 Describe the cellular events related to genetic material that must occur for cell division leading to growth or repair in multicellular organisms.

CDD 1.2 Interpret the results of experimental variables, both internal and external to the cell, affecting cellular growth and division displayed within an experiment's graphs or data charts.



videos



The petri dish after overnight incubation shows colonies of bacterial growth.

Slide shows



Hands-On Activity

[Click here](#) for a hands-on activity that allows you to track cells in a growing root to see where the largest region(s) of growth occur.

hands on activities

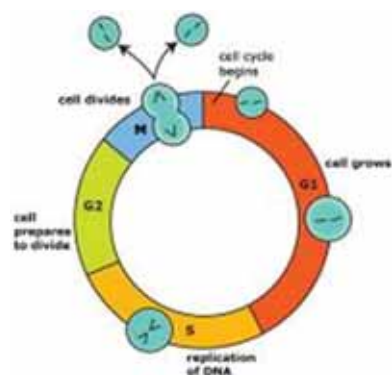


Common Student Preconceptions

Middle and high school students often have difficulty recognizing the dynamic nature of mitosis and its specific order of events (Orndorff, 1994). They have limited, confused, and inconsistent understandings about cell division; make little distinction between mitosis and meiosis, and do not fully understand the processes, purposes, or products of cell division (Knappels et al., 2005).

A discussion of common student preconceptions by grade band is available in the Pedagogical Implications section of the [Cell Division and Differentiation SciPack](#).

preconceptions boxes

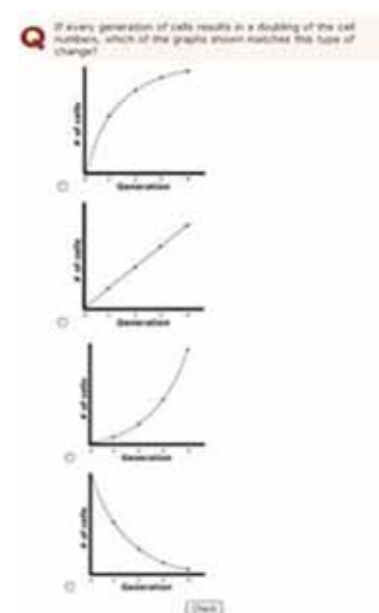


images

Elements of the *Continuity of* Life Science Object



simulations



Assessment



Add Science Objects to your “Library”



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Welcome to Your Professional Development

NEW: Earn as you learn! Collect points and badges, comment, and complete PD! Create collections and share with others!

Be sure to **update your profile and review**

With these resources you can build your professional development plan. You can start at "Explore Learning Opportunities". You may also review an [archived Web Seminar](#).

- [Science Objects](#)
- [SciPacks](#)
- [SciGuides](#)
- [Symposia](#)
- [Symposia Archives](#)
- [Professional Development Institutes](#)
- [Web Seminars](#)
- [Web Seminar Archives](#)
- [Podcasts](#)
- [Online Courses](#)
- [NSTA Journal Articles](#)
- [NSTA Press Books](#)

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space!



Featured PD Resource

**NSTA ONLINE
SHORT COURSES**
Force and Motion

Track your activities and assess your progress. Create a game plan with the PD Plan and Portfolio tool. Explore the Learning Center.

Explore Learning Opportunities

[Advanced Search](#)

[See all FREE Lesson Plans](#)

[See all FREE Resources](#)



**LIVE SUPPORT
OFFLINE**

Leave a message →

See All
Science
Objects

or

Display
Science
Objects by
Subject Area



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The NSTA Learning Center

Search the Learning Center

Home | My PD Tools | Subjects | Learning Resources & Opportunities | Discussion Forums | Education Administrator

Learning Center Home > Resources > Science Objects

RSS | SHARE |

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FREE

Science Objects

BUILDING CONTENT KNOWLEDGE

BROWSE SCIENCE OBJECTS

- All Science Objects
- Earth and Space Science
- Physical Science
- Life Science

Science Objects

Ready When You Are — for Free!

You're teaching a subject for the first time, or for the first time in a long time. You need a content refresher now. Where can you find help that's engaging, high-quality, easy to access—and affordable, too?

From NSTA's latest ready resource, Science Objects! Science Objects are two hour on-line interactive inquiry-based content modules that help you better understand the science content you teach.

With support from sponsors, Science Objects provide all teachers of science open access to these valuable new resources—at no cost!

The [system check](#) will detect your current browser settings and plug-ins you have on your computer as are required to access the rich media content in the Science Objects, such as the Flash and QuickTime media players.

[Learn More](#)

FEATURED SCIENCE OBJECTS

Click on any of the titles below, to launch the Science Object:

Topic: Coral Reef Ecosystems	Topic: Ocean's Effect on Weather and Climate
<ul style="list-style-type: none">THE LIVING REEFTHE ABIOTIC SETTINGINTERDEPENDENCE	<ul style="list-style-type: none">GLOBAL CLIMATE PATTERNSGLOBAL PRECIPITATION AND ENERGY



Add a Science Object to Library

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The NSTA Learning Center

Search the Learning Center

Home | My PD Tools | Subjects | Learning Resources & Opportunities | Discussion Forums | Education Administrator

Learning Center Home » Advanced Search

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RESOURCE FILTERS
Narrow your search by subject, grade level, or price

FILTER BY SUBJECT

- Life Science
- Earth & Space Science
- Physical Science

FILTER BY GRADE LEVEL

- Elementary School
- Middle School
- High School
- College
- Informal Education

FILTER BY PRICE

- Free
- <\$1
- \$1-\$3

Subject: [All Subjects](#)
Opportunities: [All Opportunities](#) | [Do-it-Yourself Learning](#) | [Science Objects](#)

Individual Resources | Collections Created by Users | Collections Created by NSTA

Sort by: Relevancy
Results: 1 - 10 of 74
1 2 3 4 5 6 7 8 Next


Coral Reef Ecosystems: Ecosystems in Crisis ★★★★★
Science Object
[In My Library](#) [Add to PD Plan](#)
Average User Rating: ★★★★★
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 fourth of four Science Objects in the Coral Reef Ecosystems SciPack. It explores the natural and human causes of ecosystem stress. Human beings live near coral ecosystems and use them in a variety of ways. Increasing amounts of stress is brought on these ecosystems as humans... [View full description!](#)
Member Price: **Free** Nonmember Price: **Free**
Grade Level: Elementary School, Middle School


Ocean's Effect on Weather and Climate: Global Climate Patterns ★★★★★
Science Object
[Add to Library](#) [Add to PD Plan](#)
Average User Rating: ★★★★★
Science Objects are two hour on-line interactive inquiry-based content modules that



???

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THE NSTA Learning Center

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My Learning Center

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[Welcome](#)

[My
Library](#)

[My
PD Indexer](#)

[My PD Plan
and Portfolio](#)

[My PD Record
and Certificates](#)

[My
Calendar](#)

[My
Notepad](#)

[New: Discussion
Forums](#)

[Help
Desk](#)

Welcome to Your Professional Development Web Space!

Flavio, you've already earned **4325 Activity Points!**

Activity Progress Bar

You've recently earned:



Web Seminar Activator
[Attend Web Seminars](#)

You're close to earning:



Sapphire Commenter
[Post 15 more comment/questions](#)

Your Activity Matters!
It reduces
your
carbon
footprint!



Be sure to [update your profile and review your points & badges!](#)

With these resources you can build your professional development plan, track your activities and assess your progress. You can start at "Explore Learning Opportunities" below or by creating your game plan with the PD Plan and Portfolio tool. You may also review an [archived Web Seminar](#) or a [multimedia overview](#) of the Learning Center.

NEW LIVE SUPPORT



Online
Advisors
now
available!

Featured PD Resource



**Science
OBJECTS**



[Force and Motion: Position and Motion](#)

Explore Learning Opportunities

[Advanced Search](#)

[See all FREE Lesson Plans](#)

[See all FREE Resources](#)



**LIVE SUPPORT
ONLINE**

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Advanced Search



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The NSTA Learning Center

Search the Learning Center

Home | My PD Tools | Subjects | Learning Resources & Opportunities | Discussion Forums | Education Administrator

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[Hours of Operation](#)

ADVANCED SEARCH

[Advanced Search](#)

ADVANCED SEARCH

Search all NSTA resources and offerings below:

Keyword:

Author:

Type of Learning Resource:

Grade Level:

- ☒ All Grade Levels
- ☐ Elementary School
- ☐ Middle School
- ☐ High School
- ☐ College
- ☐ Informal Education

Science Discipline:

Price:



Add other free resources to your “Library”





How many Activity Points do you have now?

0	1-30	31-100	101-300	301+



Learning Center

Tools:

My Library

My Library

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





2010 National Education Technology Plan

Through online learning systems, teachers may enhance their learning through **blending the best of onsite PD with online PD** that provides immediacy, convenience, self-direction, and collaboration with other colleagues and experts via professional learning communities.

For teachers to effectively facilitate using interactive resources, learning systems, and connectedness to online communities, **teachers need to experience it firsthand as part of their own learning and professional development.**

- A **community** of teachers to share ideas, questions, experiences
- Over 6,000 **resources**
- Practical **tools** to teachers organize, personalize & document their growth over time



The screenshot displays the homepage of The NSTA Learning Center. At the top, there is a navigation bar with links: "Back to NSTA.org", "Contact Us", "Help", and "Feedback". The main header features the "The NSTA Learning Center" logo and a search bar with the text "Search the Learning Center". Below the header is a horizontal menu with tabs: "Home", "My PD Tools", "Subjects", "Learning Resources & Opportunities", "Discussion Forums", and "Education Administrator".

The main content area is divided into several sections:

- Welcome to Your Professional Development:** A text block stating that the Learning Center is NSTA's e-professional development (PD) portal, offering access to over 6,000 resources, with a note that "over 1,800 are free". It mentions tools like "My Library", "My PD Record", and "My PD Plan and Portfolio". It includes a "Create your free account" link and a "watch the overview" link. To the right of this text is a small image of a smiling woman.
- NEW: Earn as you learn!** A section with icons for various tools (RSS, chat, social media, etc.) and text encouraging users to collect points and badges by aggregating, commenting, and completing PD.
- NEW: Live Support!** A section encouraging users to chat with Online Advisors while navigating their professional development.
- Explore Learning Opportunities:** A section with a "See all FREE Lesson Plans" link and a "See all FREE Resources" link.
- Most Popular Resources:** A section at the bottom right with a "Most Popular Resources" link.

On the right side of the page, there is a "Login" section with fields for "E-mail" and "Password", a "LOGIN" button, and links for "I'm an NSTA member but I don't have a password", "Register Now for Free", and "Lost password?". Below the login section is a "Growing in the Right Direction!" section with a line graph showing "Over 547,000 additions across teachers' personal libraries" and a "Start Your FREE Collection TODAY!" button.

Collaborators



S.D. Bechtel, Jr.
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Don't forget the web seminar evaluation



and to choose your FREE SciPack

	Earth & Space <i>8 Topics</i>	Physical <i>7 Topics</i>	Life <i>6 Topics</i>
Completed	<ul style="list-style-type: none">• Earth, Sun & Moon• Gravity & Orbits• The Solar System• The Universe• Weather & Climate• Rock Cycle• Plate Tectonics• Earth's Changing Surface	<ul style="list-style-type: none">• Force & Motion• Energy• Nature of Light• Chemical Reactions• Electric and Magnetic Forces• Atomic Structure• Explaining Matter with Elements, Atoms, and Molecules	<ul style="list-style-type: none">• Cell Structure & Function• Coral Reef Ecosystems• Science of Food Safety• Resources & Human Impact• Nutrition• Cell Division and Differentiation

The NSTA Learning Center

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NSTA Learning Center

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Questions?



A screenshot of the NSTA Learning Center website. The header includes the site name and a search bar. A navigation menu contains links for Home, My PD Tools, Subjects, Learning Resources & Opportunities, Discussion Forums, and Education Administrator. The main content area features a "Welcome to Your Professional Development" section with a description of the portal's resources and a "NEW: Earn as you learn!" announcement. Below this is a section for "Explore Learning Opportunities" with filters for subject, grade level, and state standards. The right sidebar includes a login form, "NSTA Featured Resources" (highlighting SciPacks), and "Most Popular Resources" (listing topics like Cell Structure and Function, Plate Tectonics, and the Universe).

Thank you to the sponsor of tonight's Web Seminar:



This web seminar contains information about programs, products, and services offered by third parties, as well as links to third-party websites. The presence of a listing or such information does not constitute an endorsement by NSTA of a particular company or organization, or its programs, products, or services.

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The NSTA Learning Center

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[Subjects](#)
[Learning Resources & Opportunities](#)
[Discussion Forums](#)
[Education Administrator](#)

My Learning Center

Welcome, Learning Center [Log Out](#)

[Welcome](#)
[My Library](#)
[My PD Indexer](#)
[My PD Plan and Portfolio](#)
[My PD Record and Certificates](#)
[My Calendar](#)
[My Notepad](#)
[New: Discussion Forums](#)
[Help Desk](#)

Welcome to Your Professional Development Web Space!

Learning Center, you've already earned **2875 Activity Points!**

You've recently earned:
 **Diamond Commenter**
[Post comment/questions](#)

You're close to earning:
 **Platinum Commenter**
[Post 45 more comment/questions](#)

Be sure to **update your profile and review your points & badges!**

With these resources you can build your professional development plan, track your activities and assess your progress. You can start at "Explore Learning Opportunities" below or by creating your game plan with the PD Plan and Portfolio tool. You may also review an [archived Web Seminar](#) or a [multimedia overview](#) of the Learning Center.

Activity Progress Bar
 Your Activity Matters!
 It saves Polar Bears!

Winter Holiday Giveaway!
Earn Triple Points
 for all Activity
 Now - Jan 31

Featured PD Resource
 **Science OBJECTS** **FREE**
[Rocks: Environments of Formation](#)

<http://learningcenter.nsta.org>



<http://www.elluminate.com>

National Science Teachers Association

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Zipporah Miller, Associate Executive Director
Conferences and Programs

Al Byers, Assistant Executive Director e-Learning

NSTA Web Seminars

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