



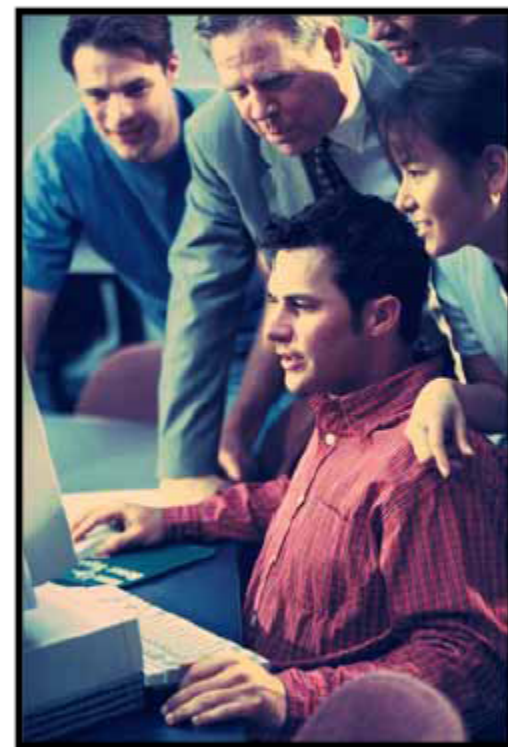
## Creating and Sharing Collections in the Learning Center

Presented by: Flavio Mendez

# Agenda

## Using the “*My Library*” tool

- Adding resources
- Creating/sharing collections





## **Consider this:**

You need to teach something for the first time or for the first time in a long time.

What do you do?

**Check out the Learning Center!**

# The NSTA Learning Center

- Over 3,000 free e-PD resources and opportunities including lesson plans, content review, and live online sessions
- PD tools to help you manage, plan, and document your growth
- Network with like-minded individuals

For the rest of your career

# New Jersey Science Teachers Association



Tonight's

Click on the Learning  
Access Center on NJSTA's  
home page

ing is Cancelled.



Look through our new [calendar](#) to see some of the NJSTA professional development and other science events that have come to our attention.

[LEARNING ACCESS CENTER](#)

*The Learning Access Center is available only to NJSTA members.*

## Welcome!

The New Jersey Science Teachers Association (NJSTA) mission is to promote excellence and innovation in science teaching and learning for all.

The vision of the Association is to excite, empower and energize all science teachers in the State of New Jersey. NJSTA strives to support and recognize science educators at all levels for their dedication and professionalism, advocates high quality science instruction in varied and diverse settings and -- through leadership and service -- seeks to generate and promote public interest in science and science education for all.

### **Dave's (Physics) Demos**

**Rutgers University**

**February 8, 2014, Saturday**

### **The Next Generation in Life Sciences Instruction** - NJSTA Maitland P. Simmons

Memorial Award Summer Institute

**July 14-18, 2014**





Visit the New Jersey Science Teachers Association

Search the Learning Center



NSTA Home

Learning Center Home

My PD Tools

Subjects

Learning Resources & Opportunities

Community Forums

Ed. Administrator Professor

Help

## My Learning Center

Welcome, Linda [View Cart](#) | [Log Out](#)

Welcome

My Profile

My Library

My PD Indexer

My PD Plan and Portfolio

My PD Record and Certificates

My Calendar

My Notepad

My Community Forums

My Help Desk

### Teacher Learning Journeys: Learn Today...Your Way

Use these learning resources and community to design your own long-term growth plan, collaborate with others, and document your growth!

Linda, you've already earned **1245 Activity Points!**

Activity Progress Bar

You've recently earned:



**Science and Children Advisory Board**

You're close to earning:



**Emerald Commenter**

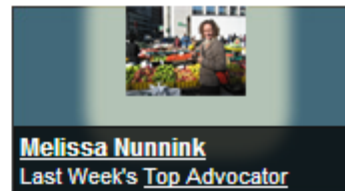
[Post 19 more comment/questions](#)

[UPDATE YOUR PROFILE](#)

[CHECK THE LEADER BOARDS](#)



[About Online Advisors](#)



**Melissa Nunnink**

Last Week's **Top Advocator**

This Week's Highest Rated Collections



[Solar System and Planets Colle...](#)

Shared by:  
[Chris Richardson](#)

### A Message to New Jersey Science Teachers!

Welcome to NJSTA's new home In the NSTA Learning Center! Special thanks to Linda Smith (Past President) who has worked hard with NSTA to provide our members with access to thousands of [free professional development resources](#) designed to enhance your content and pedagogical knowledge.

To get started, search for specific resources by keyword by visiting the [advanced search](#) and adding resources to your library. And you are no longer limited to New Jersey. This new resource allows you to join other educators in asynchronous [discussion in the community forums](#), to [review and rate resources](#) in your library, [make and share collections](#), and [upload your own resources](#). See [all the activities](#) that earn you points and badges!

For the first time in our history, NJSTA has a place available to all of us where we can stop by, share a favorite lesson, ask for help with a problem topic, and just talk about our passion... teaching and loving science. Please feel free to stop by any time to chat with us. The NJSTA Executive Board members will be monitoring this room on a regular basis in the hopes to get to know our members better and share opportunities with them. And follow NJSTA on Facebook and Twitter

This will take you to the NJSTA Portal in the NSTA Learning Center

## My Learning Center



You can find your saved resources here

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

Welcome

**My Profile**

My Library

My PD Indexer

My PD Plan and Portfolio

My PD Record and Certificates

My Calendar

My Notepad

**My Community Forums**

My Help Desk

## Welcome to Your Personalized Learning Web Space!

[SEARCH COMMUNITY](#)

Flavio, you've already earned **8205 Activity Points!**

You've recently earned:



**Sapphire Aggregator**  
[Add Personal Resources](#)

You're close to earning:



**Diamond Commenter**  
[Post 14 more comment/questions](#)

[UPDATE YOUR PROFILE](#)

[CHECK THE LEADER BOARDS](#)

Activity Progress Bar

Your Activity Matters!

It Donates Produce!



**Kathryn Kennedy**  
Last Week's [Top Disseminator](#)

Featured PD Resource



**Science OBJECTS**



Explaining Matter with Elements, Atoms, and Molecules: ...

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Explore Learning Opportunities


[Advanced Search](#)

[See all FREE Lesson Plans](#)

[See all FREE Resources](#)



**LIVE SUPPORT ONLINE**

[Click here](#) 



[Learning Center Home](#) > [My Library](#)

## My Library: NSTA Resources

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

When you click on my library  
Your personal resources  
space will appear

My NSTA Resources

My Uploaded Resources

My Resource Collections



Do-it-Yourself Learning



Books & Articles



SciGuides  
(37 items)



SciPacks  
(3 items)



Science Objects  
(66 items)



Podcasts  
(50 items)



Web Seminar Archives  
(37 items)



Symposia Archives  
(8 items)



Book Chapters  
(44 items)



Journal Articles  
(95 items)



**LeRoy Attles**  
Top Advocate



Live Online Seminars & Classes



In Person Experiences



Web Seminars  
(3 items)



No items  
[Search for resources to add!](#)





# What's free in the NLC?

- NLC account
- Over 3,000 resources
  - Science Objects
  - Web Seminars (live, archives, and podcasts)
  - Journal articles (*over 1,100*)
  - e-Book chapters (*over 200*)
  - Symposia archives
  - External resources (NASA)
- All PD tools
- All public collections
- All public community forums





# My Library

- Add and recommend NSTA resources
- Upload your own resources
- Create personalized collections
- Share your collections with individuals, groups, or make public

The NSTA Learning Center  
Visit NSTA.org

Search the Learning Center

Home My PD Tools Subjects Learning Resources & Opportunities Community Forums Education Administrator Help

Learned Center Home > My Library

My Library: NSTA Resources

Welcome: Flavio | Admin | Log Out

Welcome to your collection of personal and tabs below to explore your collections; and you can share your collections with others.

Click here to access your resources

My NSTA Resources My Uploaded Resources My Resource Collections

Do-it-Yourself Learning

- SciGuides (37 items)
- SciPacks (3 items)
- Science Objects (96 items)
- Podcasts (50 items)
- Web Seminar Archives (37 items)
- Symposia Archives (3 items)

Books & Articles

- Book Chapters (44 items)
- Journal Articles (95 items)

Live Online Seminars & Classes

- Web Seminars (3 items)

In Person Experiences

- No items. Search for resources to add.

LeRoy Atiles  
Top Advocate



# Add e-PD resources to your “Library”





## My Learning Center

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My PD Plan and Portfolio

My PD Record and Certificates

My Calendar

My Notepad

My Community Forums

My Help Desk

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SEARCH COMMUNITY

Flavio, you've already earned **8205 Activity Points!**

Activity Progress Bar

You've recently earned:



**Sapphire Aggregator**  
[Add Personal Resources](#)

You're close to earning:



**Diamond Commenter**  
[Post 14 more comment/questions](#)

Your Activity Matters!

It Donates Produce!



**Kathryn Kennedy**  
Last Week's [Top Disseminator](#)

UPDATE YOUR PROFILE

CHECK THE LEADER BOARDS

Featured PD Resource



Click here  
To narrow your search for  
specific content

Click here  
to find free lesson plans

Click here  
to find all free lesson  
plans

Explore Learning Opportunities  
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[Click here](#)

[Hours of Operation](#)

ADVANCED SEARCH

[Advanced Search](#)

## Advanced Search

Or if you know the author of a particular topic you can search here

Keyword:

Author:

Learning Resource:

Grade Level:

- Individual Resources
- Individual Resources
- NSTA Collections
- User Created Collections**

Elementary School

Middle School

High School

College

Informal Education

Science Discipline:

Price:

You can search here by keyword, such as water or chemistry

You can decide what kind of resources and what grade level to target by searching here

Click this button to start your search



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**ADVANCED SEARCH**  
[Advanced Search](#)

**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

## Search Results

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

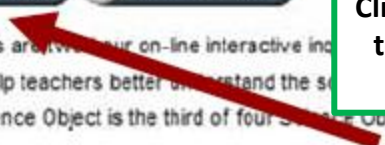
Individual Resources Collections Created by Users Collection  
Sort by: Relevancy  
Results: 1 - 10 of 38 1 2 3 4 Next

Search results will appear with a title and description of the content

**Nature of Light: Light as Waves** ★★★★★  
Grade Level: Elementary School, Middle School  
[Add to Library](#) [Add to PD Plan](#)  
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 second of four Science Objects in the Nature of Light SciPack. It provides conceptual and real world understanding of the idea that waves (including sound and seismic waves, waves on water, and light waves) have energy and can transfer energy when they interact with matter.... [\[view full summary\]](#)  
Price: Free via Your Subscription

**Nature of Light: Light and Color** ★★★★★  
Grade Level: Elementary School, Middle School  
[Add to Library](#) [Add to PD Plan](#)  
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 Nature of Light SciPack. It provides conceptual and real world understanding of the idea that light waves have energy and can transfer energy when they interact with matter.... [\[view full summary\]](#)

Click Add to Library to save it in your library space







# NLC Activity Points: Activator

Earn 10 Activity Points for each NSTA resource that you add to your Library.

You will earn your first badge after adding 5 resources.





**Recommend a  
resource to a  
colleague**



Click on the  
My Library Tab

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- My Community Forums
- My Help Desk

### Welcome to Your Personalized Learning Web Space!

SEARCH COMMUNITY

Flavio, you've already earned 8205 Activity Points!

Activity Progress Bar

You've recently earned:

**Sapphire Aggregator**  
[Add Personal Resources](#)

You're close to earning:

**Diamond Commenter**  
[Post 14 more comment/questions](#)

UPDATE YOUR PROFILE

CHECK THE LEADER BOARDS

Your Activity Matters!

It  
Donates  
Produce!



**Kathryn Kennedy**  
Last Week's Top Disseminator

Featured PD Resource



**Science  
OBJECTS**

Explaining Matter with Elements,  
Atoms, and Molecules: ...

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.

Explore Learning Opportunities

Advanced Search

See all **FREE** Lesson Plans

See all **FREE** Resources



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Notepad

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### My Library

Organize all your selected resources, stay on top of your subscriptions, and create collections of resources you can share with colleagues. No matter which computer you are working at, you will always have your resources. Search, explore and access your most recent resources below.

Go to MY LIBRARY

#### Recently Added Resources

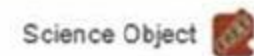
##### Podcast: Earth and Mars Similar Features

The Podcast: Earth and Mars Similar Features is a segment of the Web Seminar [Using...](#)



##### Nature of Light: Light and Color

Science Objects are two hour on-line interactive inquiry-based content modules that help teachers better understand the science...



##### The Nature of Science and Science Inquiry

In a knowledge-centered science classroom, students work to answer scientifically oriented questions by creating explanations...



## My Library: NSTA Resources

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[Hours of Operation](#)

Everything you have saved to your library will appear. Click on the My Uploaded Resources Tab

My NSTA Resources My Uploaded Resources

Do-it-Yourself Learning

Articles

SciGuides (37 items)

Book Chapters (44 items)

SciPacks (3 items)

Journal Articles (items)

Science Objects (66 items)

Click on the object you want to share

**LeRoy Attles**  
Top Advocate

Podcasts (50 items)

Web Seminar Archives (37 items)

Symposia Archives (8 items)

Live Online Seminars & Classes

In Person Experiences

Web Seminars (3 items)

No items  
[Search for resources to add!](#)

# My Library:

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[My NSTA Resources](#)

[My Uploaded Resources](#)

[My Resource Collections](#)

[View all resource types](#)

 **Science Objects**

Sort By:

Currently displaying items: 1 - 20 of 35    [1](#) [2](#) [Next](#)



 **Characteristics of Light**

## Nature of Light: Characteristics of Light

Type: Science Object

Days Remaining: Unlimited

Grade: Elementary School, Middle School

Summary: 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 first of four Science Objects in the Nature of Light SciPack. It establishes...

- Recommend to a Friend ←
- Add to Collection
- Create Note
- Write Review
- Remove From Library

You have choices of what you would like to do with this resource at the bottom right of the screen

Click on recommend a friend





NSTA Learning Center

## Email a Friend

Recipient's email:

Your Name:

Your Email:

Personal Message:



**Nature of Light: Light and Color**

Type: Science Object  
Grade: Elementary School, Middle School

**Summary:** 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 Nature of Light SciPack. It provides conceptual and real world understanding of how the wavelengths of electromagnetic radiation affect the way they interact with different materials. We perceive differences of wavelength within the visible part of the spectrum as differences in color. Shorter wavelengths of light (blue) are scattered more by air molecules than longer wavelengths of l...

[View Full Resource Details](#) (Opens in new window)  
[Launch Resource](#) (Opens in new window)  
[Go to My Library](#) (Opens in new window)

**Light and Color**



Add your friends email address here



You can write a message to your friend here



Click the send email recommendation button and the information is on its way.





# NLC Activity Points

Earn 20 Activity Points for each personal resource that you recommend to a friend.





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My Library: NSTA Resources

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My NSTA Resources My Unshared Resources My Resource Collections

Do-it-Yourself Learning

- SciGuides (17 items)
- SciPacks (3 items)
- Science Objects (56 items)
- Podcasts (50 items)
- Web Seminar Archives (17 items)
- Symposia Archives (3 items)

Books & Articles

- Book Chapters (14 items)
- Journal Articles (25 items)

Live Online Seminars & Classes

- Web Seminars (3 items)

In Person Experiences

- No items  
Search for resources to add

LeRoy Atiles  
Top Advocate





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- My Calendar
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- My Community Forums**
- My Help Desk

### Welcome to Your Personalized Learning Web Space!

SEARCH COMMUNITY

Flavio, you've already earned 8205 Activity Points!

Activity Progress Bar

You've recently earned:



**Sapphire Aggregator**  
[Add Personal Resources](#)

You're close to earning:



**Diamond Commenter**  
[Post 14 more comment/questions](#)

Your Activity Matters!

It Donates Produce!



**Kathryn Kennedy**  
Last Week's Top Disseminator

[UPDATE YOUR PROFILE](#)

[CHECK THE LEADER BOARDS](#)

Featured PD Resource



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Explore Learning Opportunities

[Advanced Search](#)

[See all FREE Lesson Plans](#)

[See all FREE Resources](#)



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My Uploaded Resources

My Resource Collections



Do-it-Yourself Learning



Books & Articles



SciGuides  
(37 items)



SciPacks  
(3 items)



Science Objects  
(66 items)



Podcasts  
(50 items)



Web Seminar Archives  
(37 items)



Symposia Archives  
(8 items)



Book Chapters  
(44 items)



Journal Articles  
(95 items)



**LeRoy Attles**  
Top Advocate

Click on the My Uploaded Resources Tab



Live Online Seminars & Classes



In Person Experiences



Web Seminars  
(3 items)



No Items  
[Search for resources to add!](#)



# Upload your own resources to *My Library*

- Word docs
- Excel files
- PPT pres.
- URLs
- Images

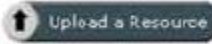
My Library: Uploaded Resources Welcome, Flavio [FF](#) [Admin](#) | [Log Out](#)

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](#)

**Resource Upload**

New to the Learning Center! Enjoy the convenience of having all your electronic resources in one location. Upload up to 2.0 GB of your resources to your Learning Center library, add them to your collections, create notes about them, and e-mail them to your friends. File formats include PowerPoint presentations, Word documents, Excel spreadsheets, PDF files, image files, and more. Each file must be 10 MB in size or smaller. Please read the [Terms and Conditions](#)

 You are currently using 0.9% of your 2 GB  
You have 1.98 GB of available space

**My Uploaded Resources**

	<a href="#">NSTA Learning Center</a> This is the URL for the NSTA Learning Center.	<ul style="list-style-type: none"><li>• Email to a Friend</li><li>• Modify Collections</li><li>• Create Note</li><li>• Delete this Resource</li></ul>
	<a href="#">NSTA Learning Center Marketing Brochure.pdf</a> PDF file of the NSTA LC Marketing Brochure.	<ul style="list-style-type: none"><li>• Email to a Friend</li><li>• Modify Collections</li><li>• Create Note</li><li>• Delete this Resource</li></ul>
	<a href="#">Sample Agenda for APS implementations.doc</a> Sample agenda created for APS administrators to run implementation workshops.	<ul style="list-style-type: none"><li>• Email to a Friend</li><li>• Modify Collections</li><li>• Create Note</li><li>• Delete this Resource</li></ul>

Click on the Upload a resource button  
You can upload any of the formats above

## RESOURCE UPLOAD

[Close this window](#)

Browse your computer to select a file to upload: ( 10.0 MB or smaller )

Or enter the URL of a video or other resource on the web:

What do you want to call it? (if different than the file/URL name)

Description (optional)

Click here to browse for a file on your computer

Write the url address of an online video or a website you want to save here

Give your resource a name you'll remember in this box

Write a description that will help you remember what the resource was about here

Click the upload file or URL button to save it to your library

You are currently using 0.9% of your 2 GB

You have 1.98 GB of available space

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- Journal Articles (95 items)

Live Online Seminars & Classes In Person Experiences

Web Seminars (3 items) No Items Search for resources to add

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Hours of Operation

LeRoy Atiles  
Top Advocate



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[Post 14 more comment/questions](#)

Your Activity Matters!

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**Kathryn Kennedy**  
Last Week's [Top Disseminator](#)

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CHECK THE LEADER BOARDS

Featured PD Resource



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Explore Learning Opportunities

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Notepad

My Community  
Forums

My Help  
Desk

Click on the Go to My Library button

### My Library

Organize all your selected resources, stay on top of your subscriptions, and create collections of resources you can share with colleagues. No matter which computer you are working at, you will always have your resources. Search, explore and access your most recent resources below.

Go to MY LIBRARY

#### Recently Added Resources

##### Podcast: Earth and Mars Similar Features

The Podcast: Earth and Mars Similar Features is a segment of the Web Seminar [Using...](#)

Podcast

##### Nature of Light: Light and Color

Science Objects are two hour on-line interactive inquiry-based content modules that help teachers better understand the science...

Science Object

##### The Nature of Science and Science Inquiry

In a knowledge-centered science classroom, students work to answer scientifically oriented questions by creating explanations...

Book Chapter



## My Library: NSTA Resources

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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.

**LIVE SUPPORT OFFLINE**  
Leave a message  
[Hours of Operation](#)

My NSTA Resources

My Uploaded Resources

My Resource Collections



### Do-it-Yourself Learning



SciGuides  
(37 items)



SciPacks  
(3 items)



Science Objects  
(66 items)



Podcasts  
(50 items)



Web Seminar Archives  
(37 items)



Symposia Archives  
(8 items)



### Books & Articles



Book Chapters  
(44 items)



Journal Articles  
(95 items)

**LeRoy Attles**  
Top Advocator

Click on the My Resource Collections Tab



### Live Online Seminars & Classes



Web Seminars  
(3 items)




### In Person Experiences



No items  
[Search for resources to add!](#)

# My Library: Resource Collections

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[Hours of Operation](#)

[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**

Directions are listed here:

## My Collections

## Collections Shared With Me

Click on Start a New Collection button

[Start a New Collection](#)

Title	Created		Title	Shared by	Shared
 About the Learning Center 5 items	4/6/2011		 About the Learning Center 5 items	Flavio Mendez	4/6/2011
 APS Resources 3 items	10/2/2009		 APS Resources 3 items	Flavio Mendez	10/2/2009
 Assorted collection of Science Objects 8 items	9/29/2011		 Assessment 23 items	Wendy Ruchti	2/28/2011
 Astronomy resources 2 items	3/30/2011		 Chemistry Resources - Partners in Science 13 items	Flavio Mendez	1/14/2011
 Chemistry Resources - Partners in Science 13 items	1/14/2011		 earth 3 items	Cheryl Young	10/2/2009
			 Earth and Space Science	Sarah Abbasi	5/3/2010

# My Library: Resource Collections

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

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](#)

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- NOTE: NSTA resources must first be added to your library before they can be added to a collection**



My Collections



Collections Shared With Me

Title:

Description: Why did you put these resources together and what is the intended use?

Grades:  Elementary  Middle  High

Make it Public:  Allow other users to find this collection within search results

Fill in the required information

Title	Shared by	Shared
About the Learning Center 5 items	Flavio Mendez	4/6/2011
APS Resources 3 items	Flavio Mendez	10/2/2009
Assessment 23 items	Wendy Rucht	2/28/2011
Chemistry Resources Partners in Science	Flavio Mendez	1/14/2011
	Cheryl Young	10/2/2009

Hit the submit button

Submit



# My Library:

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Click here   
[Hours of Operation](#)

[My NSTA Resources](#)

[My Uploaded Resources](#)

[My Resource Collections](#)



## AAA Sample Collection


This collection is a sample collection for a web seminar.

Intended for: Middle school

- [Share this Collection](#)
- [Make this Collection Public](#)

- [Back to All Collections](#)
- [Edit Collection Name/Description](#)
- [Delete Collection](#)

You'll get a message that says you haven't chosen any materials for your collection yet

This collection does not contain any items. Visit your [library of resources](#) or the [resource search page](#) to find items to add to this collection. You can also [upload your own files](#) to get your collection started. 

 Recommend

 Be the first of your friends to recommend this.

Click on these links to get to the resources you want to group

# My Library:

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

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.



**LIVE SUPPORT ONLINE**  
Click here →  
[Hours of Operation](#)

[My NSTA Resources](#)

**[My Uploaded Resources](#)**

[My Resource Collections](#)

[View all resource types](#)

Sort By:

## Science Objects

Currently displaying items: 1 - 20 of 35    [1](#) [2](#) [Next](#)



  
**Characteristics of Light**

### Nature of Light: Characteristics of Light

Type: Science Object

Days Remaining: Unlimited

Grade: Elementary School, Middle School

Summary: Science Objects are two hour on-line in content modules that help teachers better understand the science content they teach. This Science Object is the first of four Science Objects in the Nature of Light SciPack. It establishes...

When you find the resource you want to add to your collection click the add to collection button



-  [Recommend to a Friend](#)
-  [Add to Collection](#)
-  [Create Note](#)
-  [Write Review](#)
-  [Remove From Library](#)

A list of all your saved collections will appear here

NSTA Learning Center

## COLLECTIONS Cell Division and Differentiation: Variation and Specializat ...

Close this window

Your existing collections are listed here. Check the box next to each collection where you would like to add the *Cell Division and Differentiation: Variation and Specialization of Cells* Science Object. You may also create a new collection below. This resource will automatically be added to the new collection.

### Add This Resource to My Existing Collections

- AAA Sample Collection
- About the Learning Center
- APS Resources
- Assorted collection of Science Objects
- Astronomy resources
- Chemistry Resources - Partners in Science

Save Changes

### Create a New Collection and Add This Resource

New Collection Name:

Make it Public - Allow other users to find this collection within search results

NOTE:  collection will not be publicly viewable until it contains at least 1 resource

### Cell Division and Differentiation: Variation and Specialization of Cells

Type: Science Object

Summary:

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 second of three Science Objects in the Cell Division and Differentiation SciPack. It explores the processes that take place within cells that allow for selective gene expression, which leads to the specialization and variation of cells in organisms.

Cell functions are turned on and off by regulatory genes, through changes in the activity of the functions performed by proteins. Although cells in a multi-celle ...

Launch Resource (Opens in new window)

Click on the collection you want to add this resource to

Or create a new name for a new collection

Click on the add button to add this resource to a collection

Clicking on Make it Public will allow you to share all the resources in that collection with anyone in the learning center





# NLC Activity Points

Earn 25 Activity Points for each collection you create.





# My Library

- Add and recommend NSTA resources
- Upload your own resources
- Create personalized collections
- Share your collections with individuals, groups, or make public

A screenshot of the NSTA Learning Center's 'My Library' page. The page header includes the NSTA logo and navigation links like 'Home', 'My PD Tools', 'Subjects', 'Learning Resources &amp; Opportunities', 'Community Forums', 'Education Administrator', and 'Help'. The main content area is titled 'My Library: NSTA Resources' and includes a welcome message, a search bar, and a navigation menu with tabs for 'My NSTA Resources', 'My Uploaded Resources', and 'My Resource Collections'. A red arrow points to the 'My Uploaded Resources' tab. Below the tabs, there are several resource categories with item counts: 'Do-it-Yourself Learning' (SciGuides: 17 items, SciPacks: 3 items, Science Objects: 96 items, Podcasts: 50 items, Web Seminar Archives: 17 items, Symposia Archives: 1 item), 'Books &amp; Articles' (Book Chapters: 44 items, Journal Articles: 95 items), 'Live Online Seminars &amp; Classes' (Web Seminars: 3 items), and 'In Person Experiences' (No items). A 'LIVE SUPPORT OFFLINE' banner is also visible.



## My Learning Center

Click on the My Library Tab

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

Welcome

My Profile

My Library

My PD Indexer

My PD Plan and Portfolio

My PD Record and Certificates

My Calendar

My Notepad

My Community Forums

My Help Desk

### Welcome to Your Personalized Learning Web Space!

SEARCH COMMUNITY

Flavio, you've already earned 8205 Activity Points!

You've recently earned:



**Sapphire Aggregator**  
[Add Personal Resources](#)

You're close to earning:



**Diamond Commenter**  
[Post 14 more comment/questions](#)

UPDATE YOUR PROFILE

CHECK THE LEADER BOARDS

Activity Progress Bar

Your Activity Matters!

It Donates Produce!



**Kathryn Kennedy**

Last Week's [Top Disseminator](#)

Featured PD Resource



**SCIENCE OBJECTS**

Explaining Matter with Elements, Atoms, and Molecules: ...

Explore Learning Opportunities

[Advanced Search](#)

[See all FREE Lesson Plans](#)

[See all FREE Resources](#)



**LIVE SUPPORT ONLINE**

Click here





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## My Library: NSTA Resources

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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.

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[Hours of Operation](#)

My NSTA Resources My Uploaded Resources My Resource Collections

Do-it-Yourself Learning

SciGuides  
(37 items)

SciPacks  
(3 items)

Science Objects  
(66 items)

Podcasts  
(50 items)

Web Seminar Archives  
(37 items)

Symposia Archives  
(8 items)

Live Online Seminars & Classes

Web Seminars  
(3 items)

Books & Articles

Book Chapters  
(44 items)

Journal Articles  
(95 items)

**LeRoy Attles**  
Top Advocate

Click on My Resource Collection Tab

# My Library: Resource Collections

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**LIVE SUPPORT ONLINE**  
Click here →  
[Hours of Operation](#)

[My NSTA Resources](#)

[My Uploaded Resources](#)

[My Resource Collections](#)

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My Collections



Collections Shared With Me


Click on the collection you want to share


Title	Created
 AAA Sample Collection 4 items	11/2/2011
 About the Learning Center 5 items	4/6/2011
 APS Resources 3 items	10/2/2009

Title	Shared by	Shared
 About the Learning Center 5 items	Flavio Mendez	4/6/2011
 APS Resources 3 items	Flavio Mendez	10/2/2009
 Assessment 23 items	Wendy Ruchti	2/28/2011



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.



**LIVE SUPPORT ONLINE**  
Click here   
[Hours of Operation](#)

- My NSTA Resources
- My Uploaded Resources**
- My Resource Collections

## AAA Sample Collection

This collection is a sample collection for a web seminar.

Intended for: Middle school

-  [Share this Collection](#)
-  [Make this Collection Public](#)

-  [Back to All Collections](#)
-  [Edit Collection Name/Description](#)
-  [Delete Collection](#)

Click here to share with everyone

Click here to share with individual people

Currently displaying items: 1 - 4 of 4

Sort By:



A Close-Up Look at the Red Planet

### A Close-Up Look at the Red Planet

Type: SciGuide

Days Remaining: Unlimited

Grade: Middle School

Summary: SciGuides are a collection of thematically aligned lesson plans, simulations, and web-based resources for teachers to use with their students centered on standards-aligned science concepts.

Our conception of "life" on other planets, especially...

-  Email to a Friend
-  Modify Collections
-  Create Note
-  Write Review
-  Remove From Collection



### Hubble Space Telescope

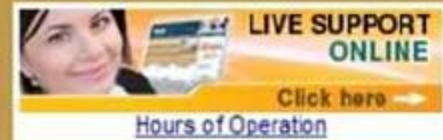
Type: User Resource

Days Remaining: Unlimited

Summary: Good site about astronomy.

-  Email to a Friend
-  Modify Collections
-  Create Note

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

## AAA Sample Collection

This collection is a sample collection for a web seminar.

- [Back to All Collections](#)
- [Edit Collection Name/Description](#)
- [Delete Collection](#)

Intended for: Middle school

- [Make this Collection Public](#)

Need to share with one person?

Email of recipient:

Additional notes (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.

Currently displaying items: 1 - 4 of 4

Sort By:



### A Close-Up Look at the Red Planet

Type: SciGuide

Days Remaining: Unlimited

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Summary: SciGuides are a collection of thematically aligned lesson plans, simulations, and web-based resources for teachers to use with their students centered on standards-aligned science concepts.

- [Email to a Friend](#)
- [Modify Collections](#)
- [Create Note](#)
- [Write Review](#)
- [Remove From Collection](#)

Type the email address of the person you want to share with here. You can also add a note to tell them what you are sharing

Or copy and paste this link into an email to share with a list of people.

# NLC Activity Points: Disseminator

Earn 10 Activity Points for each collection you share with an individual.



Earn 25 Activity Points for each collection you make public.

You will receive the first disseminator badge after sharing 1 collection with an individual.





**Another way to share  
your collection is  
through the community  
forums**



## My Learning Center

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

Welcome

**My  
Profile**

My  
Library

PD Indexer

and Portfolio

and Certificates

Calendar

Notepad

**My Community  
Forums**

My Help  
Desk

Click on the Community Forums tab  
at the top of your home page

## Welcome to Your Personalized Learning Web Space!

SEARCH COMMUNITY

Flavio, you've already earned **8205 Activity Points!**

Activity Progress Bar

You've recently earned:



**Sapphire Aggregator**  
[Add Personal Resources](#)



You're close to earning:

**Diamond Commenter**  
[Post 14 more comment/questions](#)

Your Activity Matters!

It  
Donates  
Produce!



**Kathryn Kennedy**  
Last Week's [Top Disseminator](#)

[UPDATE YOUR PROFILE](#)

[CHECK THE LEADER BOARDS](#)

Featured PD Resource



**Science  
OBJECTS**

Explaining Matter with Elements,  
Atoms, and Molecules: ...

Explore Learning Opportunities

[Advanced Search](#)

[See all FREE Lesson Plans](#)

[See all FREE Resources](#)













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ONLINE**

Click here

# Community Forums

(asynchronous)

10  
Public  
Forums

Forum	Topics	Last Post
 Elementary Science	68 Topics 1050 Posts	by Margaret Hunter Today, 1:05 AM
 Life Science		
 Physical Science	659 Posts	by Tina Harris Today, 11:41 AM
 Earth and Space Science	116 Topics 1337 Posts	by Carolyn Mehr Fri Jan 06, 2012 3:38 PM
 General Science and Teaching	197 Topics 2072 Posts	by Tina Harris Today, 11:07 AM
 Professional Development		by Daliz Vasquez Yesterday, 9:37 PM
 Evaluation and Assessment A public forum discussing formative, summative assessments and evaluations.	24 Topics 249 Posts	by Tina Harris Today, 11:41 AM
 Research in Science Education Science educators discuss the current implications of the latest science education research.	16 Topics 206 Posts	by Carolyn Mehr Yesterday, 10:06 PM
 Chemistry	25 Topics 385 Posts	by Tina Harris Today, 11:58 AM
 STEM	10 Topics 133 Posts	by Patricia McGinnis Fri Jan 06, 2012 3:38 PM

Click on any of the forum buttons to talk to people around the country and the world about things that interest you.





Visit the New Jersey Science Teachers Association

Search the Learning Center



NSTA Home

Learning Center Home

My PD Tools

Subjects

Learning Resources & Opportunities

Community Forums

Ed. Administrator Professor

Help



SHARE



## :: Community Forums

[View Cart](#) | [Log Out](#)

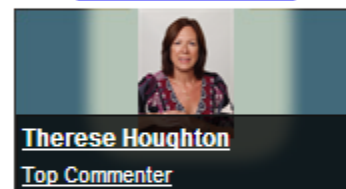
Below are group forums that you may join. Post to existing topics or start your own! All NSTA resources, personally uploaded resources, and collections may be shared and commented upon within these discussions.



[About Online Advisors](#)

Find Topics and Users

SEARCH COMMUNITY/PEOPLE



**Therese Houghton**

Top Commenter

32 people currently online

### Private Forums

Forum	Last Post
<a href="#">New Jersey Science Teachers Association</a> A private forum.	3 Topics 10 Posts by Linda Smith Sun Aug 26, 2012 2:36 PM <a href="#">NSTA Learning Center Orientation Webinar</a>

**NJSTA has a private forum just for our members**



### Public Forums: Science Disciplines

Forum	Last Post
<a href="#">Chemistry</a>	177 Topics 1683 Posts by Ruth Hutson Yesterday, 8:44 PM <a href="#">Unanswered questions in chemistry</a>
<a href="#">Earth and Space Science</a>	426 Topics 3646 Posts by Tina Harris Yesterday, 3:14 PM <a href="#">Teaching the Solar System</a>

## Community Forums

[Home](#) > [Elementary Science](#) > Misconceptions in the Elementary Classroom

[First Timepost Users](#)

SEARCH COMMUNITY/PEOPLE



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[Hours of Operation](#)

Click here to join in the conversation

1 people currently online

POST REPLY

WATCH THIS TOPIC

MOVE THIS TOPIC

by [Adah Stock](#), Wed Sep 07, 2011 1:41 PM

There are lots of names for the same thing -- misconceptions, alternative conceptions, naive conceptions. Children observe their surroundings and make connections to more complex ideas. For example: A cat sits on top of a chair under the glow of a floor lamp on a cold winter morning. The cat is sitting as close as possible because the bulb produces more heat than the sun coming through a window on a cold day.

Misconception: The sun must be closer to the Earth in summer.

There are many of these misconceptions and using Page Keeley's probes we can find out what students think.

My question to all educators is as follows:

How do you as a classroom teacher handle student misconceptions so correct science is understood?

I am attaching a small collection of articles to get the ball rolling.



[Adah Stock](#)

673 Posts

Learning Center Activity Points

[Private Message Adah](#)

### Misconceptions Collection

(7 items)

[Open in New Window](#)



Science Sampler: Why we have seasons and other common misconceptions

-Journal Article -Middle School



Science Sampler: Correcting student misconceptions

-Journal Article -Middle School



Diagnosing and Dealing with Student Misconceptions: Floating and Sinking

-Journal Article -Middle School

# NLC Activity Points: Commenter

Earn 10 Activity Points for each post you make in the community forums.

You will receive the first commenter badge after making 5 posts.







**There are over 2,700 public  
collections in the NLC.**

**How do you find them?**





## My Learning Center

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Welcome

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My Library

My PD Indexer

My PD Plan and Portfolio

My PD Record and Certificates

My Calendar

My Notepad

**My Community Forums**

My Help Desk

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[Add Personal Resources](#)

You're close to earning:



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[Post 14 more comment/questions](#)

Your Activity Matters!

It Donates Produce!



**Kathryn Kennedy**  
Last Week's Top Disseminator

UPDATE YOUR PROFILE

CHECK THE LEADER BOARDS

Featured PD Resource



**Science OBJECTS**



Explaining Matter with Elements, Atoms, and Molecules: ...

With these resources you can build your professional development plan, track your activities [Explore Learning Opportunities](#) below or by [Advanced Search](#) and Portfolio tool. You may also review an [archived Web Seminar](#) or a [multimedia overview](#) of the Learning Center.

Click on the advance search button

Explore Learning Opportunities

Advanced Search

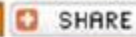
See all FREE Lesson Plans

See all FREE Resources



LIVE SUPPORT ONLINE

Click here



## LOGIN ::

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[\[ Manage Subscriptions \]](#)



Click here

[Hours of Operation](#)

## ADVANCED SEARCH

[Advanced Search](#)

## Advanced Search

Keyword:

Search by Keyword

Or Author

Author:

Type of Learning Resource:

Refine your search here

Grade Level:

Limit your search by grade level here

Elementary School

Middle School

High School

College

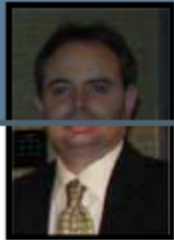
Informal Education

Science Discipline:

Price:

Click here to start your search





# NLC Activity Points

Earn 25 Activity Points for each collection you make public.

