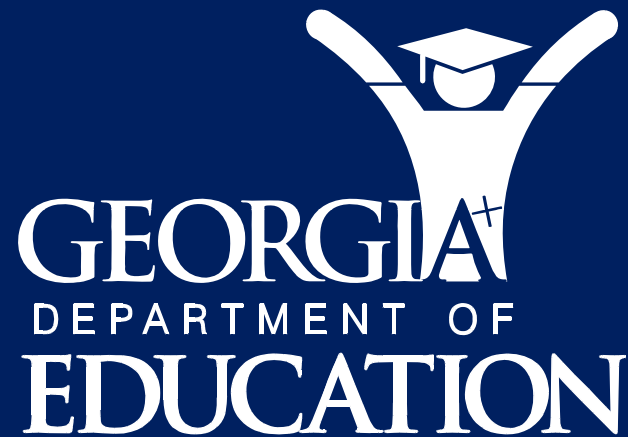


The Georgia Performance Standards for K-12 Mathematics



Kathy Cox

State Superintendent of Schools

Accelerated Mathematics I Training

May and June 2008

Overview of Day 3

- ❖ Taking the mathematics deeper
- ❖ Resources to Support GPS and Standards-based Mathematics Instruction
- ❖ Action Plans for Next Steps



Essential Question 1

How do we take the mathematics deeper?




“The comments from the students can be synthesized into three broad recommendations for modifications and changes in emphasis to existing traditional mathematics courses:

- ⦿ more emphasis on *why*, instead of *how*, something is done;
- ⦿ more depth, less breadth of coverage; and
- ⦿ more challenge”

A Singapore Grade 6 Hard Problem You Won't See on U.S. Grade 8 State Assessments

Mary spilled some soya sauce on her Continual Assessment Results Slip, as shown below. Part of her English and Mathematics marks cannot be seen.

RESULTS SLIP	
English	8
Mathematics	7
Science	92



Her average score is 84 marks. What can be the largest difference between her English and Mathematics marks?

Why is this
question different
from what we
usually ask?

Why does
Singapore focus on
this type of
question?

Could we use these
types of questions in
our classroom?

What would they
look like?

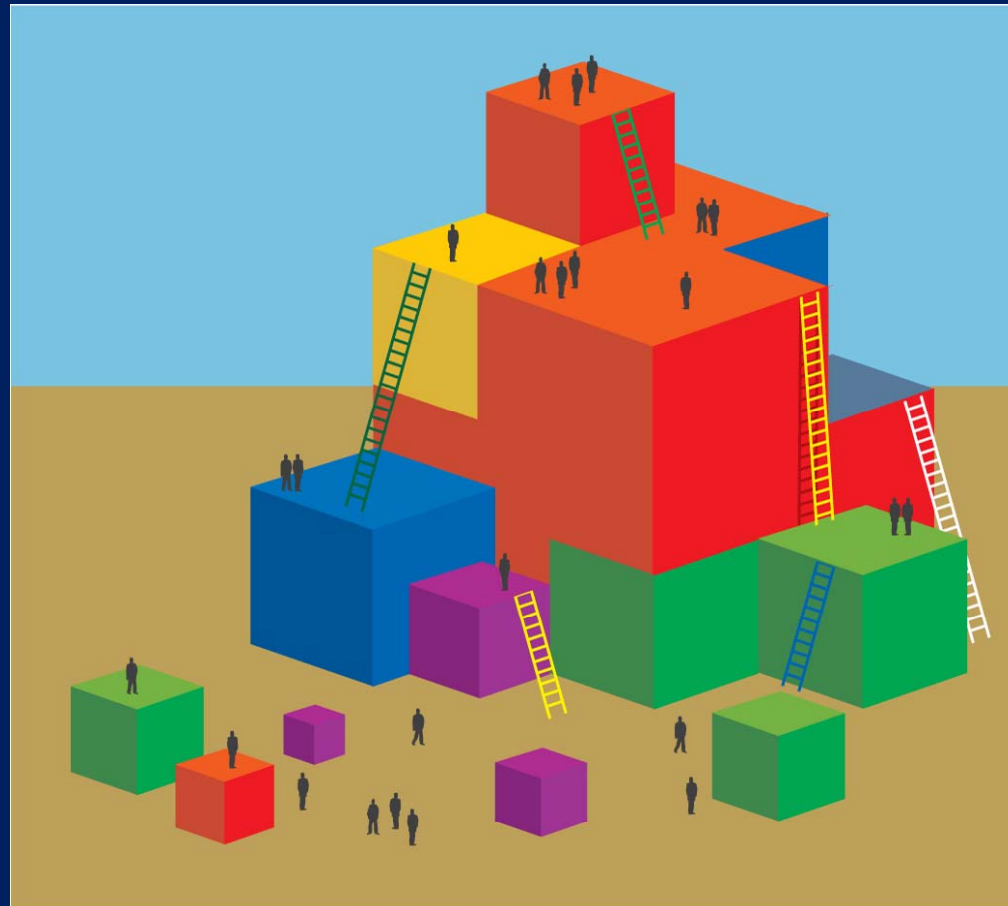
At your table write a
question that you
could ask about
Paula's Peaches
revisited?

Share
what
your
group
wrote



Morning Break

Painted Cubes Learning Task





Lunch

Web Resources Available to Teachers

- ⦿ Mathematics Curriculum Page
- ⦿ Georgiamath.org
- ⦿ GeorgiaStandards.org

How do you get there?

Start at:
<http://www.gadoe.org>

The screenshot shows the Georgia Department of Education (GaDOE) website homepage. At the top, there is a navigation menu with links for Home, About GaDOE, State Board of Ed., School Improvement, Curriculum, and Data Reporting. The main header features the GaDOE logo on the left and a banner on the right with the tagline "Shaping brighter futures." and a photo of a young girl. Below the header, there is a search bar and a "GoDOE" button. The main content area is divided into several sections: "GaDOE Website Finders" on the left, "Strategic Plan.. Mission and Goals" in the center, and "State Superintendent" on the right. The "Strategic Plan" section includes a circular diagram with five colored nodes (red, green, blue, orange, purple) and the text "View the Georgia Department of Education's Strategic Plan". Below this is a section for "Georgia Performance Standards" with the logo for "GeorgiaStandards.Org" and the tagline "GATEWAY TO EDUCATION & PROFESSIONAL RESOURCES". There is also a "Site Index by Subject" dropdown menu and a "Site Guides" section with icons for Parents, Students, School Systems, Educators, and Legislators. The "GoDOE Partner Sites" section features logos for the Governor's Office of Student Achievement, GAcollege III, Bright from the Start, and Teach Georgia. The "Press Releases" section lists recent news items, including "06/12/2008 - William Cardoza" and "04/26/2008 - Dana Toig". On the right side, there is a "SCHOOL FINDER" section with a map of Georgia and a "Strategic Plan" section with a circular diagram. At the bottom right, there is a "GEORGIA MATHS PROGRAM" section with a calculator icon and a "5-5WS PROGRAM" section.

How do you get there?

Start at:
<http://www.gadoe.org>

Link to Mathematics
Curriculum Page can
be found under
'Curriculum'



The screenshot shows the Georgia Department of Education website homepage. At the top, there is a navigation menu with links for Home, About GaDOE, State Board of Ed., School Improvement, Curriculum, and Data Reporting. The main header features the Georgia Department of Education logo and the tagline "Shaping brighter futures." Below the header, there is a search bar and a "GoDOE" button. The page is divided into several sections:

- GoDOE Website Finders:** A sidebar menu with categories like About GaDOE, State Board of Education, School Improvement, Curriculum, and Data Reporting. The "Curriculum" section is highlighted with a red arrow.
- Feature Section:** A central banner for the "Strategic Plan.. Mission and Goals" with a circular diagram and a "READ >>" button.
- Georgia Performance Standards:** A section for "GeorgiaStandards.Org" with a "Site Index by Subject" dropdown menu.
- Site Guides:** A row of icons representing different user groups: Parents, Students, School Systems, Educators, and Legislators.
- GoDOE Partner Sites:** Logos for GAcollege III, Bright Start, and Teach Georgia.
- Press Releases:** A list of recent news items, including "06/12/2008 - William Cardoza" and "04/26/2008 - Dana Toff".
- State Superintendent:** A profile for Kathy Cox with a quote: "WE WILL LEAD THE NATION IN IMPROVING STUDENT ACHIEVEMENT".
- School Finder:** A map of Georgia with a dropdown menu for "City/State".
- Strategic Plan:** A smaller version of the strategic plan banner.
- Georgia Math Program:** A section for the "GEORGIA MATHEMATICS PROGRAM" with a "Learn More >>" button.
- 5-5WS PROGRAM:** A partially visible section at the bottom right.

Mathematics Curriculum Page

Home About GaDOE State Board of Ed. School Improv Curriculum Data Reporting



GEORGIA
DEPARTMENT OF
EDUCATION
Kathy Cox State Superintendent of Schools

Helping students excel.
Georgia Department of Education



AskDOE Search

Home » About GaDOE » Office of Standards, Instruction and Assessment » Curriculum and Instructional Services » Mathematics Program

Standards, Instruction and Assessment Curriculum and Instructional Services

Implementing the Georgia Performance Standards.

DIVISIONS

- [Career, Technical and Agricultural Education](#)
- [Curriculum and Instructional Services](#)
- [Special Education Services and Support](#)
- [Innovative Academic Programs](#)
- [Testing](#)

CONTACT INFORMATION

Janet Davis
Program Manager,
Mathematics
1754 Twin Towers East
205 Jesse Hill Jr. Drive SE
Atlanta, GA 30334
(404) 463-1736
jdavis@doe.k12.ga.us
[Report Problems with this Page](#)

RELATED INFORMATION

- [Georgia Performance Standards](#)
- [RESAs](#)

Mathematics Program

The Georgia performance standards for mathematics have been designed to achieve a balance among concepts, skills, and problem solving. The curriculum stresses rigorous concept development, presents realistic and relevant tasks, and keeps a strong emphasis on computational skills. At all grades, the curriculum encourages students to reason mathematically, to evaluate mathematical arguments both formally and informally, to use the language of mathematics to communicate ideas and information precisely, and to make connections among mathematical topics and to other disciplines.

Georgia Performance Standards



GATEWAY TO EDUCATION & PROFESSIONAL RESOURCES

Click to view Mathematics Standards, Frameworks, & Training

The implementation of this curriculum will require that mathematics classrooms at every grade be student-focused rather than teacher-focused. Working individually or collaboratively, students should be actively engaged in inquiry and discovery related to the world around them.

Research & Reports:

HELPFUL LINKS

- [GeorgiaMath.Org](#)
- [The National Council of Teachers of Mathematics](#)
- [The Georgia Council of Teachers of Mathematics](#)
- [National Library of Virtual Manipulatives \(NLVM\)](#)
- [Illuminations](#)

» More

What can you find at the Mathematics Curriculum Page?

- Contact Information for Mathematics Team
- Research and Reports
- What's New
- What's Coming
- Information for Administrators
- Mathematics Information for Educators
- Support Materials
 - ✓ Textbook/Instructional Materials
 - ✓ Vertical Alignment Charts

What is georgiamath.org?

From
<http://www.gadoe.org>

Look for the
calculator!

Or go directly to:
georgiamath.org

The screenshot shows the Georgia Department of Education (GaDOE) website. At the top left is the GaDOE logo with the text "GEORGIA DEPARTMENT OF EDUCATION" and "Kathy Cox, State Superintendent of Schools". To the right is a navigation menu with links: Home, About GaDOE, State Board of Ed., School Improvement, Curriculum, and Data Reporting. Below the logo is a banner for "Shaping brighter futures." featuring a photo of a young girl and the text "Georgia Department of Education". A search bar is located below the banner.

The main content area is divided into several sections:

- GaDOE WEBSITE FIND:** A sidebar menu with categories like "About GaDOE", "State Board of Education", "School Improvement", "Curriculum", and "Data Reporting".
- FEATURE:** A central section titled "Strategic Plan.. Mission and Goals" with a circular diagram and a "READ >>" button.
- Georgia Performance Standards:** A section for "GeorgiaStandards.Org" with a search box for "Site Index by Subject".
- SCHOOL FINDER:** A section with a map of Georgia and a "City Search" dropdown.
- STRATEGIC PLAN:** A section with a circular diagram and the text "View Strategic Mission and Goals".
- GEORGIAMATH.ORG:** A section titled "GEORGIA MATHEMATICS PROGRAM" with a "View More" link and a calculator icon. A large red arrow points to this section.
- PRESS RELEASES:** A section with a list of recent news items, including "06/12/2008 - William Cardoza" and "04/26/2008 - Dana Telf".

www.georgiamath.org

CONTACT INFORMATION

For questions about Georgia's Mathematics Curriculum, please contact the appropriate party below.

Schools Should Contact:

Math Program

1754 Twin Towers East
205 Jesse Hill Jr. Drive SE
Atlanta, GA 30334

math@gadoe.org

[Math Program](#)

Parents Should Contact:

AskDOE

2054 Twin Towers East
205 Jesse Hill Jr. Drive SE
Atlanta, GA 30334

(404) 656-2800

(800) 311-3627 (GA)

(404) 651-6867

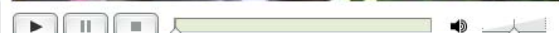
askdoe@doe.k12.ga.us

Media Should Contact:

Dana Tofig

Georgia Performance Standards - Mathematics

Please take a moment to view a welcome message from State Superintendent of Schools Kathy Cox...



WHAT OTHERS ARE SAYING

- [GSCM](#)
- [GCTM](#)
- [Chancellor Erroll B. Davis, Jr.](#)
- [Georgia Tech](#)
- [Dr. Steven Ballowe - GCSS](#)

[» More](#)

PRESENTATIONS

- [Raising Achievement and Closing Gaps – Piedmont Triad Education Consortium](#)

VIDEOS

- [Inside a Standards-Based Middle School Classroom](#)
- [Inside a Standards-Based High School Classroom](#)

HELPFUL LINKS

- [Middle School](#)

Teachers

- [Mathematics Frameworks](#)
- [High School Research and Resource Manual](#)
- [Mathematics Support Class](#)
- [Raising the Bar in Mathematics for All Georgia Students: Information for Educators](#)
- [Training Dates and Information](#)
- [Online Mathematics I Training Materials and Videos](#)
- [Online Mathematics K-8 Training Materials](#)
- [Mathematics Standards](#)
- [Questioning in the Classroom](#)
- [ElluminateLIVE K-8 Math TALKS](#)

Administrators

- [Online Mathematics I Training Materials and Videos](#)
- [Online Mathematics K-8 Training Materials](#)
- [GPS Principals' Mathematics Toolkit](#)
- [Administrators GPS Mathematics Training](#)
- [Raising the Bar in Mathematics for All Georgia Students: Information for Educators](#)
- [Training Dates and Information](#)

What can you find at the georgiamath.org page?

- Introductory Video by Kathy Cox
- Comparison of QCC and GPS Course Content
- Information about learners requiring acceleration and learners requiring support
- Resources for Parents, Teachers and Educators
- General Information
- Link to GeorgiaStandards.org

What is georgiastandards.org?

Start at:
<http://www.gadoe.org>

Click Here!



What can you find there?

Links to
Mathematics

Link to
Training

The screenshot shows the Georgia Department of Education website. At the top, there is a navigation menu with links for Home, Introduction, English Lang. Arts, **Mathematics**, Social Studies, Science, and **Training**. The **Mathematics** and **Training** links are circled in red. Below the navigation is the Georgia Department of Education logo and a banner with the text "Improving student achievement. Georgia Department of Education". A search bar is located at the bottom right of the banner.

Below the banner is the "GeorgiaStandards.Org One Stop Shop for Educators" section. It features a "GP'S WEB SITE FINDER" with links to Monthly Resources, Professional Learning, Unit Design Builder, Projects and Programs, Partners in Education, and Online Teacher Resources. There is also a "TEACHER TOOLS" section with links to Answers.com, Graphic Organizers, Webquests, RubiStar, Tools for Teachers, e-Learning Tools, 4Teachers.org, Copyright and Fair Use Guidelines, National Library of Virtual Manipulatives, Read Write Think, Bilingual Education and ELL, and SolTrain.

The "Standards Resources" section includes a "Keywords:" search bar and a "Grades:" selection grid:

<input type="checkbox"/> KK	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7
<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11
<input type="checkbox"/> 12			

Below the grid is a "Subject:" dropdown menu set to "All Subjects".

On the right side, there is a "Thinkfinity" section supported by the Verizon Foundation, a "MYGADOE LOGIN" section with fields for Username and Password, and a "TOP PICKS" section with links to Annenberg, GALILEO, Thinkfinity, The New Georgia Encyclopedia, and GPB Streaming.

Under the Mathematics Menu



The screenshot shows the Georgia Standards & Practices website. At the top left is the Georgia Department of Education logo with the text "Kathy Cox, State Superintendent of Schools". The navigation menu includes "Home", "Introduction", "English Lang. Arts", "Mathematics", and "Social Studies". The "Mathematics" menu is open, showing options: "Mathematics Star", "Executive Summary", "Mathematics Frameworks", "Mathematics Program", and "Math Podcasts". A red arrow points to the "Mathematics" menu item. Below the navigation is a search bar labeled "Search Standards & Practices". The main content area features the "GeorgiaStandards.Org" logo and the tagline "One Stop Shop for Educators". Below this are two sections: "GPS WEBSITE FINDER" with links to "Monthly Resources", "Professional Learning", "Unit Design Builder", "Projects and Programs", "Partners in Education", and "Online Teacher Resources"; and "TEACHER TOOLS" with a link to "Answers.com". A "Welcome to GeorgiaStandards.org" section contains icons for "English Language Arts", "Mathematics", "Social Studies", "Science", "CTAE", "Modern Languages & Latin", "Reading", and "Teachers as Advisors".

Home Introduction English Lang. Arts **Mathematics** Social Studies

Mathematics Star
Executive Summary
Mathematics Frameworks
Mathematics Program
Math Podcasts

Search Standards & Practices

GeorgiaStandards.Org One Stop Shop for Educators
GATEWAY TO EDUCATION & PROFESSIONAL RESOURCES

GPS WEBSITE FINDER

- Monthly Resources
- Professional Learning
- Unit Design Builder
- Projects and Programs
- Partners in Education
- Online Teacher Resources

TEACHER TOOLS

- Answers.com

Welcome to GeorgiaStandards.org

- English Language Arts
- Mathematics
- Social Studies
- Science
- CTAE
- Modern Languages & Latin
- Reading
- Teachers as Advisors

Under the Mathematics Icon

Introduction to Mathematics Performance Standards

- [Comparison of QCC and GPS Course Content](#)
- [Executive Summary](#)
- [Math Frameworks](#)
- [Online Training, Phase III Day 1: 3-5](#)
- [GPS Training Materials](#)
- [Math Support Class](#)
- [Math GPS High School Research and Resource Manual](#)
- [Credit Recovery Program](#)

Middle School Math Course Transition

- [GPS Course Transition](#)
- [MS Math Acceleration](#)
- [Middle School Math Remediation Resource](#)

GPS Revisions

- [Mathematics Revisions Approved on 7/13/2006](#)

Grades K-5

- [Grades K-2 Mathematics Standards](#)
- [Grades 3-5 Mathematics Standards](#)

Grades 6-8

- [Grades 6-8 Mathematics Standards](#)

Grades 9-12

- [Mathematics I: Algebra / Geometry / Statistics 1](#)
- [Mathematics II: Geometry / Algebra II / Statistics](#)
- [Mathematics III: Advanced Algebra / Statistics](#)
- [Mathematics IV: Pre-Calculus – Trigonometry / Statistics](#)
- [Accelerated Mathematics I: Geometry / Algebra II / Statistics](#)
- [Accelerated Mathematics II: Advanced Algebra / Geometry / Statistics](#)
- [Accelerated Mathematics III: Pre-Calculus – Trigonometry / Statistics](#)

On the Frameworks page:

Student Editions

Grades 9-12

- HS Mathematics Training, Mathematics I: Algebra / Geometry / Statistics:
[Using the Online High School Mathematics Training Materials](#)

- Mathematics I: Algebra / Geometry / Statistics Student Edition

- [Curriculum Map](#)
- Unit 1 - [Function Families](#)
- Unit 2 - [Algebra Investigations](#)
- Unit 3 - [Geometry](#)
- Unit 4 - [The Chance of Winning](#)
- Unit 5 - [Algebraic Investigations](#)
- Unit 6 - [Coordinate Geometry](#)

- Mathematics II:
Geometry / Algebra II / Statistics

- [Curriculum Map](#)

- Accelerated Mathematics I:
Geometry / Algebra II / Statistics

- [Curriculum Map](#)

- Accelerated Mathematics I:
Geometry / Algebra II / Statistics

- [Curriculum Map](#)
- Unit 1 - [Characteristics of Functions](#)

- Mathematics I: Algebra / Geometry / Statistics
Teacher Edition (MS Word Format)

- [Curriculum Map](#)
- Unit 1 - [Function Families](#)
- Unit 2 - [Algebra Investigations](#)
- Unit 3 - [Geometry](#)
- Unit 4 - [The Chance of Winning](#)
- Unit 5 - [Algebraic Investigations](#)
- Unit 6 - [Coordinate Geometry](#)
- [Appendix Mathematics](#)
- [Foreword Mathematics](#)

- Mathematics I: Algebra / Geometry / Statistics
Teacher Edition (PDF Format)

- [Curriculum Map](#)
- Unit 1 - [Function Families](#)
- Unit 2 - [Algebra Investigations](#)
- Unit 3 - [Geometry](#)
- Unit 4 - [The Chance of Winning](#)
- Unit 5 - [Algebraic Investigations](#)
- Unit 6 - [Coordinate Geometry](#)
- [Appendix Mathematics](#)
- [Foreword Mathematics](#)

- Accelerated Mathematics I: Teacher Edition (MS
Word Format)

- Unit 1 - [Characteristics of Functions](#)

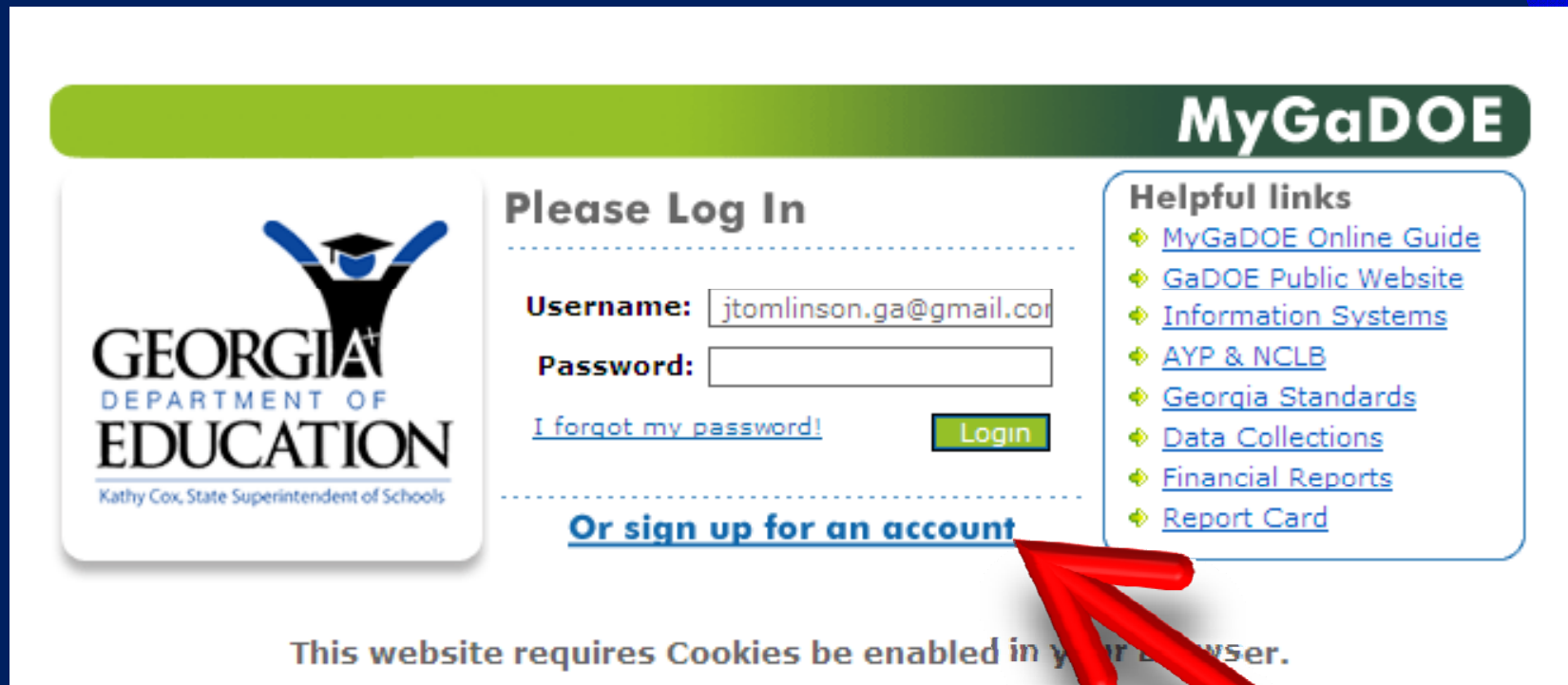
- Accelerated Mathematics I: Teacher Edition (PDF
Format)

- Unit 1 - [Characteristics of Functions](#)

Teacher Editions

*Log-in
required
for
access*

Logging in to Teacher Editions



MyGaDOE

GEORGIA
DEPARTMENT OF
EDUCATION
Kathy Cox, State Superintendent of Schools

Please Log In

Username:

Password:

[I forgot my password!](#)

[Or sign up for an account](#)

Helpful links

- ◆ [MyGaDOE Online Guide](#)
- ◆ [GaDOE Public Website](#)
- ◆ [Information Systems](#)
- ◆ [AYP & NCLB](#)
- ◆ [Georgia Standards](#)
- ◆ [Data Collections](#)
- ◆ [Financial Reports](#)
- ◆ [Report Card](#)

This website requires Cookies be enabled in your browser.

If you do not have a GaDOE account,
create a new account.

Also on the Frameworks page:

Webcasts And Podcasts

[Download Windows Media Plugin \(Mac\)](#)

- **Grade 8**
 - [Curriculum Map](#)
 - [Unit 1 - Probability](#)
 - [Unit 2 - Exponents](#)
 - [Unit 3 - Linear Equations](#)
 - [Unit 4 - Functions Relations](#)
 - [Unit 5 - Slippery Slope](#)
 - [Unit 6 - Parallel Lines & Congruence](#)
 - [Unit 7 - Systems of Equations and Inequalities](#)
 - [Grade 8 Sample Multiple Choice Questions](#)
- **Grade 8 Webcasts**
 - [Absolute Value via Manipulatives and TI-83](#)
 - [Algebra and Water Tanks via TI-83](#)
 - [Exponents with Powers of Two](#)
 - [Inequalities, Basketball, and Sales](#)
 - [Linear and Nonlinear Functions from Data](#)
 - [Parallels, Transversals, Congruence, and Cabri Jr.](#)
 - [Probability and Calico Cats](#)
 - [Pythagorean Th and Cabri Jr via TI-83](#)
 - [Simplifying Radicals with Squares and Area](#)
 - [Systems of Equations via Manipulatives](#)

If you experience technical difficulties with any webcast, please call the **Help Desk** at **(800) 869-1011** for assistance.

Mac users: If you are unable to view the webcasts, please refer to the [Mathematics Podcast](#) page. Also, all stand-alone links have been provided below. Webcasts are in Windows Media format. Mac users will need to download either "Flip4Mac" or "Windows Media Player for Mac" (depending on the operating system) at the link below, install and launch the player to view the videos. Please note that Mac users may experience a delay of up to two minutes before the video begins.



Podcasts

Download iTunes
Free for Mac & Windows

6th Grade Videos

7th Grade Videos

7th Grade Algebra

Getting Started on the TI-83

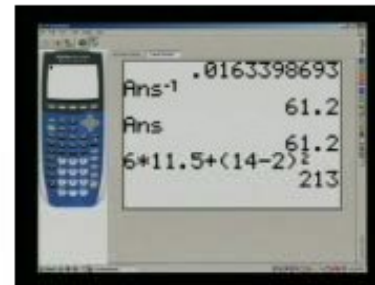
Related Documents

 [Getting to Know the TI-83](#)

Related Websites

• [TI Contact Information](#)

Watch Video in iTunes!



TI-83 Plus Measures of Central Tendency

Numbers and Operations

Data in Action

Constructions, Transformations and 3D Figures

Similarity and Dilations

TI-83 Plus Constructions with Cabri Jr

TI-83 Plus Transformations with Cabri Jr

A Closer Look at the Training Menu

The screenshot displays the top navigation bar of the Georgia Department of Education website. The 'Training' menu is expanded, showing a list of training materials. Below the navigation bar is a green banner with the text 'Improving student achievement. Georgia Department of Education' and a photo of a young boy. A search bar is located below the banner. At the bottom of the page, the 'Standards.Org' logo and the text 'One Stop Shop for Educators' are visible, along with the heading 'Mathematics Standards'.

Home Introduction English Lang. Arts Mathematics Social Studies Science **Training**

GPS Redelivery Training Materials

Illuminate Live!

Training Calendar »

Illuminate Live! Pre-configuration Guide

Illuminate Live! Participant Guide

Illuminate Live! Troubleshooting Guide

Guide to Recorded Illuminate Live! Sessions

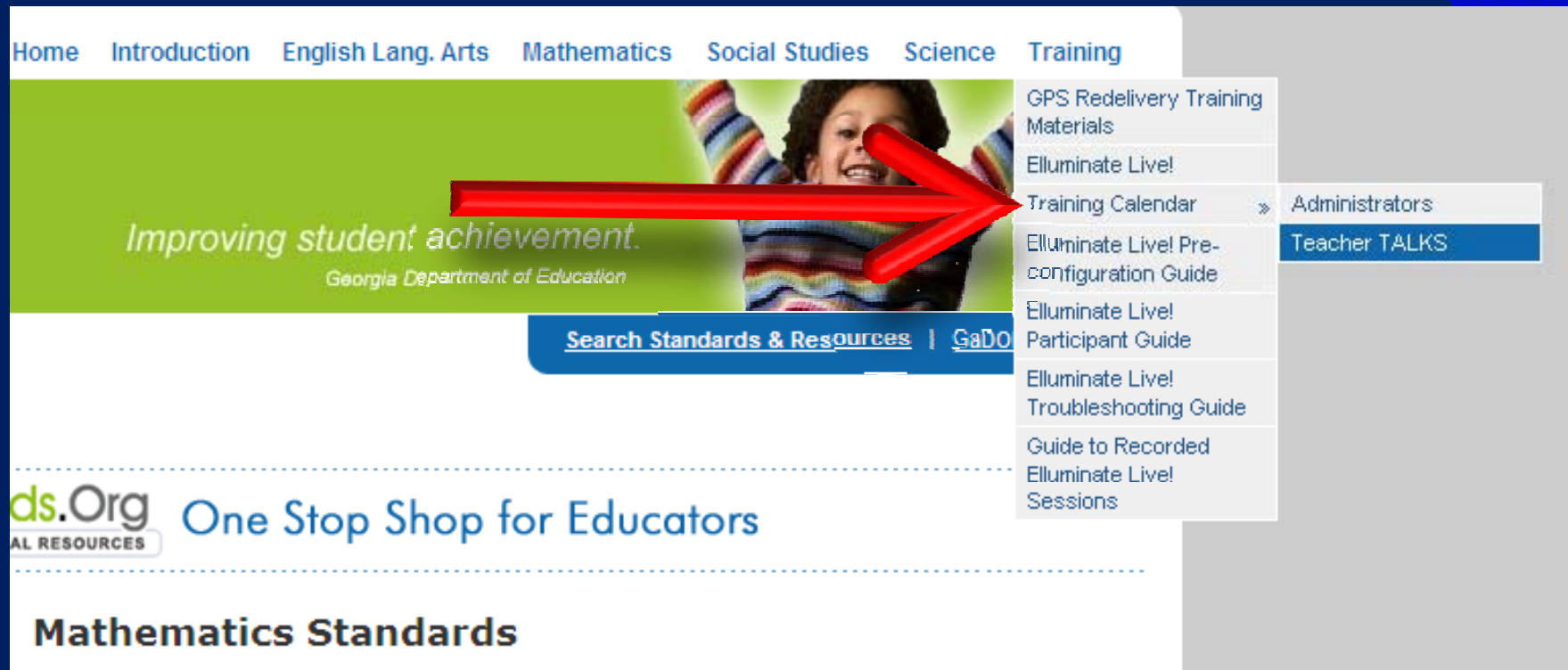
Search Standards & Resources | GaDOE

Standards.Org
ONLINE RESOURCES

One Stop Shop for Educators

Mathematics Standards

Math Teacher TALKS



Home Introduction English Lang. Arts Mathematics Social Studies Science Training

Improving student achievement.
Georgia Department of Education

Search Standards & Resources | GaDOE

ds.Org
AL RESOURCES One Stop Shop for Educators

Mathematics Standards

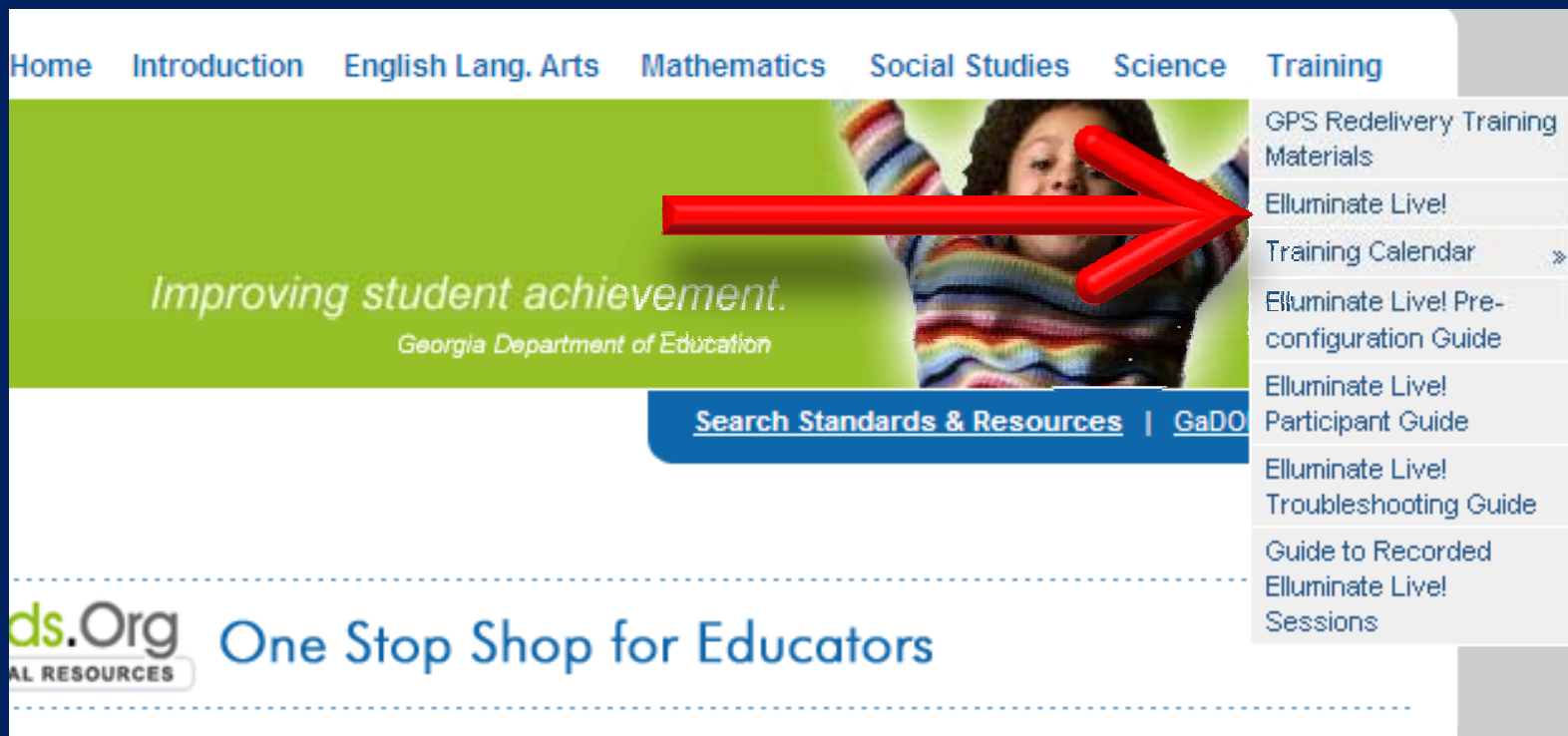
- GPS Redelivery Training Materials
- Illuminate Live!
- Training Calendar » Administrators
Teacher TALKS
- Illuminate Live! Pre-configuration Guide
- Illuminate Live! Participant Guide
- Illuminate Live! Troubleshooting Guide
- Guide to Recorded Illuminate Live! Sessions

Talking About Learning and Kids

Illuminate Sessions

- Math Teacher TALKS are a part of the Illuminate Sessions offered by GaDOE
- Illuminate Live Sessions are offered for all curriculum areas and for administrators

To Log in to an Elluminate Live Session:



The screenshot shows the Elluminate website interface. At the top, there is a navigation menu with the following items: Home, Introduction, English Lang. Arts, Mathematics, Social Studies, Science, and Training. Below the navigation menu is a green banner with the text "Improving student achievement." and "Georgia Department of Education". A red arrow points to the "Elluminate Live!" option in the Training dropdown menu. The dropdown menu also includes: GPS Redelivery Training Materials, Training Calendar, Elluminate Live! Pre-configuration Guide, Elluminate Live! Participant Guide, Elluminate Live! Troubleshooting Guide, and Guide to Recorded Elluminate Live! Sessions. Below the banner is a search bar with the text "Search Standards & Resources | GaDO". At the bottom, there is a logo for "ds.Org" and the text "One Stop Shop for Educators".

Home Introduction English Lang. Arts Mathematics Social Studies Science Training

Improving student achievement.
Georgia Department of Education





Search Standards & Resources | GaDO

ds.Org
AL RESOURCES

One Stop Shop for Educators

GPS Redelivery Training Materials
Elluminate Live!
Training Calendar »
Elluminate Live! Pre-configuration Guide
Elluminate Live! Participant Guide
Elluminate Live! Troubleshooting Guide
Guide to Recorded Elluminate Live! Sessions

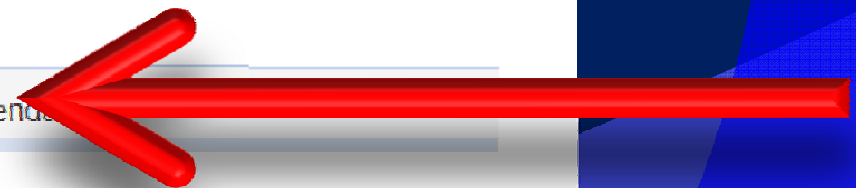
To Log in to an Elluminate Live Session:

-  **05/09/2008 - Kathy Politis**
[Georgia Learning Connections Web Site](#)
-  **03/11/2008 - Tony Vlachakis**
[GeorgiaStandards.Org Announces a Podcast Available to Teachers](#)
-  **03/18/2008 - Kathy Politis**
[GeorgiaStandards.Org Proudly Partners with Verizon Thinkfinity](#)
-  **02/22/2008 - Kathy Politis**
[Tell Us Your Story](#)

 [View All News Items...](#)

Georgia Standards Calendar

No events have been posted for this calendar.





Participants

Participants

- Janet Davis (Moderator)
- John Wight (Moderator)
- Sandi Woodall (Moderator)
- Angela Hardeman
- Beth (GCO)
- Betty Graper
- Ellsebring
- Carla Frazier
- Carroll Co
- Donna Reed Banks County
- Janis Alin

3/ Participants

Chat

Show All

Joined on April 15, 2008 at 8:32 AM

Send to: This Room

Audio

Microphone Speaker

Ctrl+F2

Whiteboard Main Room (Scaled 115%)

Slide 1 Follow Moderator

Mathematics Monthly Conference Call

April 15, 2008
9:00 am

GEORGIA
DEPARTMENT OF
EDUCATION
Kathy Cox, State Superintendent of Schools

Our session will start momentarily. While you are waiting, please do the following:

Enter/edit your profile information by going to:

- Tools - Preferences - My Profile...
- Fill out the info on the "identity" tab and click "OK"
- To view the profile of another user, hover your mouse over his or her name in the participants window

Configure your microphone and speakers by going to:

- Tools - audio - audio setup wizard

Confirm your connection speed by going to:

- Tools - preferences - connection speed

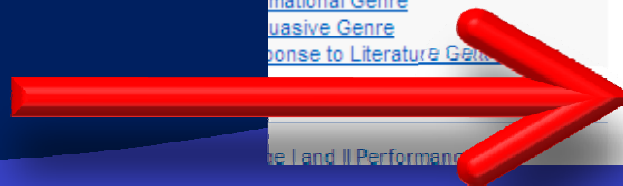
We will lead the nation in improving student achievement.

More Training Available through the e-Learning Space

From here:

The screenshot shows the top navigation bar of the Georgia Department of Education website. It includes a logo for the Georgia Department of Education with the name of the State Superintendent of Schools, Kathy Cox. A green banner features the slogan "Preparing kids for higher education." and a photo of a young girl. A search bar is located on the right side of the banner. Below the banner, there is a link to "GeorgiaStandards.Org" and the text "One Stop Shop for Educators".

Scroll down
and
Click here



The screenshot shows a section of the website with a list of links on the left and a large graphic on the right. The links include "Performance Standards", "Writing Standards", "Creative Genre", "Informational Genre", "Persuasive Genre", and "Response to Literature Genre". The graphic on the right is a "2007 WINNER" award for "Georgia Virtual School" and includes a logo for "LearningSpace for Georgia K-12 Teachers".


Choose Mathematics

GEORGIA DEPARTMENT OF EDUCATION LearningSpace for Georgia K-12 Teachers

You are currently using guest access (Login)

Latest news
(No news has been posted yet)

Calendar
May 2008
Mon Tue Wed Thu Fri Sat Sun
1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31

Current Time


Login
Username:
Password:

[Create new account](#)
[Lost password?](#)

Welcome to LearningSpace !
- An e-learning portal and collaborative learning environment provided by GeorgiaStandards.Org.

Georgia Department of Education
Office of Technology Services
Instructional Technology Division
GeorgiaStandards.Org

LearningSpace Administrator
Kathy Politis
KPolitis@doe.k12.ga.us
404-651-5664

Getting Started in LearningSpace

- Create an Account in LearningSpace (Requires Adobe Reader)
- Enrolling in a Course (Requires Adobe Reader)
- Getting Around in LearningSpace (Requires Adobe Reader)

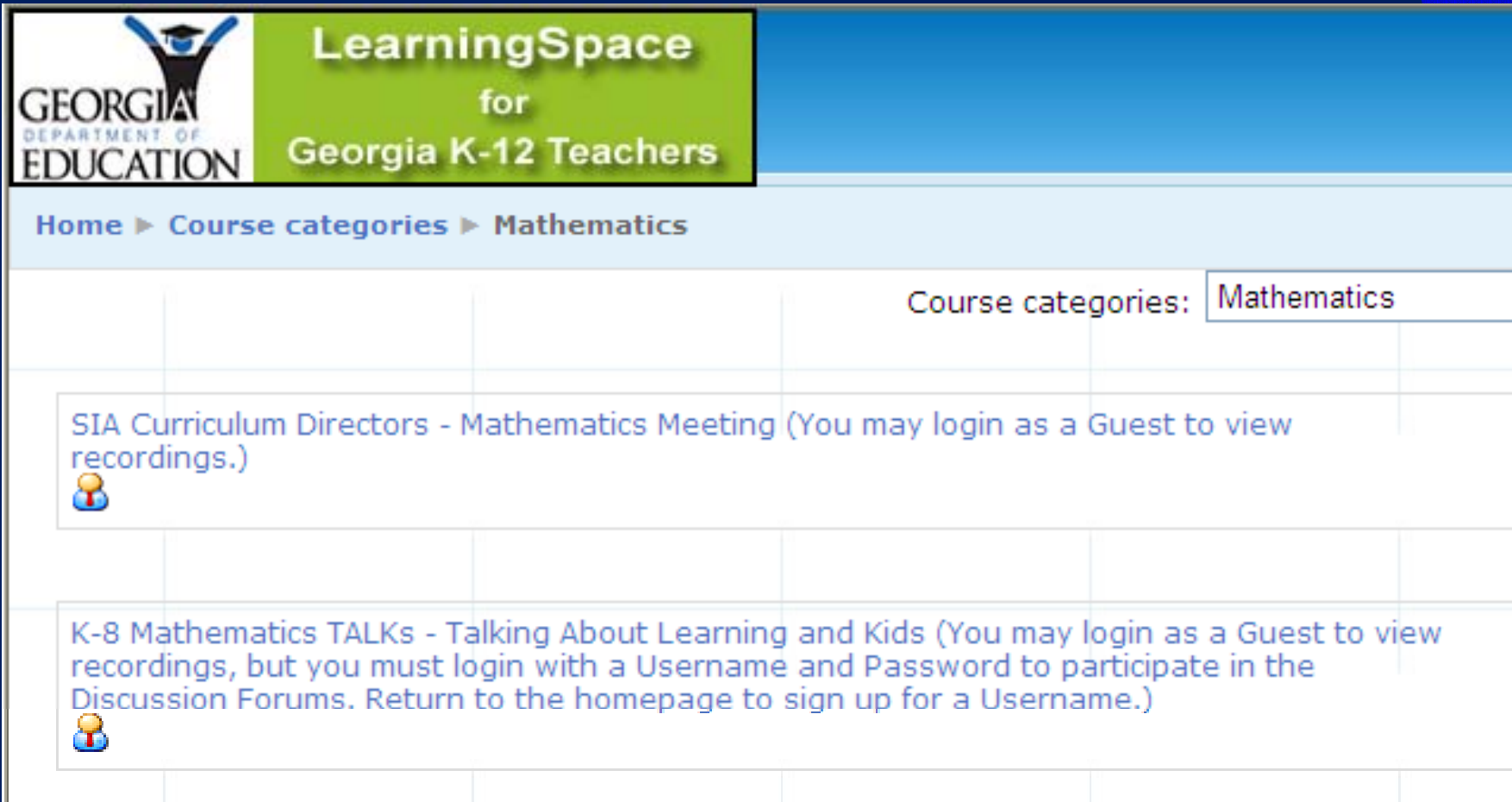
You May Need Browser Plug-ins
Some courses listed on this site may use technologies that require Plug-ins to your Internet Browser. Your Browser may not have Plug-ins for **Flash** and **Adobe Reader**, but if not, you may very easily download them - for FREE - from the websites below.

- Download FREE Copy of Adobe Reader
- Download FREE Copy of Flash Player

Course categories

- GeorgiaStandards.Org
- Standards for Instruction and Assessment: Leadership Support
- Mathematics**
- English Language Arts
- Title I Programs
- Science
- Statewide Title IID Grant
- Standards-based Classroom
- GaDOE Staff Training
- Lotus Notes 7
- Illuminate

Access Recorded Eliminate Sessions




The screenshot shows the LearningSpace for Georgia K-12 Teachers website. The header includes the Georgia Department of Education logo and the text "LearningSpace for Georgia K-12 Teachers". A breadcrumb trail shows "Home > Course categories > Mathematics". A dropdown menu for "Course categories" is set to "Mathematics". Two session listings are visible, each with a user icon and a note about login requirements.


LearningSpace
for
Georgia K-12 Teachers

GEORGIA
DEPARTMENT OF
EDUCATION


Home > Course categories > Mathematics

Course categories: Mathematics

SIA Curriculum Directors - Mathematics Meeting (You may login as a Guest to view recordings.)


K-8 Mathematics TALKs - Talking About Learning and Kids (You may login as a Guest to view recordings, but you must login with a Username and Password to participate in the Discussion Forums. Return to the homepage to sign up for a Username.)


Discussion Forums are associated with the TALKs



LearningSpace
for
Georgia K-12 Teachers



You are currently

Home ► M_TALK


Calendar

May 2008

Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

 Global events  Course events

Current Time



Topic outline


Welcome to K-8 Mathematics TALKs

(Talking About Learning and Kids)

This LearningSpace provides easy access to previously recorded Elluminate sessions for (Talking About Learning and Kids) Winter-Spring 2008, sponsored by the Mathematics Program of the Georgia Department of Education. Janet Davis, Program Manager, JDavis@doe.k12.ga.us

You May Need Browser Plug-in

Some documents listed below may require a Plug-in to your Internet Browser. Your Browser may not have **Adobe Reader**, but if not, you may very easily download it - for FREE - from the web.

 [Download FREE Copy of Adobe Reader](#)

Please note: Each recorded Elluminate session starts 15 - 30 minutes before the actual presentation begins. You may have to experiment to find the exact beginning point.

1 Mathematics Discussion Forums

Please use the following **Discussion Forums** to post questions you may have about implementing the TALKs. Questions will be reviewed on a daily basis and responses provided by DOE mathematics educators.

To ask a question, you must be a registered user of the eLearning Space. If you entered the LearningSpace and would now like to post a question in the Discussion Forum, please return to the homepage.

Recorded TALKs and the Discussion Forums associated with them

LearningSpace
for
Georgia K-12 Teachers

Home ▶ M_TALK

Calendar
May 2008

Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Topic outline

Welcome to K-8 Ma

This learningspace provides easy (Talking About Learning and Kids) Education. Janet Davis, Program

You May Need Browser Plug-in
Some documents listed below may require **Adobe Reader**, but if not, you can [Download FREE Copy of Adobe Reader](#)

Please note: Each recorded session has a slider bar at the bottom of the Elluminate interface that actually begins. You may have to click on the slider bar to start the recording.

10 8th Grade TALKs

January 31, 2008 - Recorded Session

- [Click here for the recorded session with Janet Tomlinson \(Math\) and Sharquinta Tuggle](#)
Elluminate password is ... math
- [Printout for 8th Grade Presentation Slides \(1/31/08\)](#)
- [Printout of 8th Grade Session Q & A \(1/31/08\)](#)

February 21, 2008 - Recorded Session

- [Click here for the recorded session with Sharquinta Tuggle](#)
Elluminate password is ... math
- [Printout for 8th Grade Presentation Slides \(2/21/08\)](#)
- [Printout of 8th Grade Session Q & A \(2/21/08\)](#)

March 20, 2008 - to take place

1 Mathematics Discussion Forum

Please use the following **Discussion Questions** will be reviewed on a daily basis.

To ask a question, you must be a member of the forum.

Teachers Tools and Helpful Links

Home Introduction English Lang.Arts Mathematics Social Studies Science Training

GEORGIA
DEPARTMENT OF
EDUCATION
Kathy Cox State Superintendent of Schools

Helping students excel.
Georgia Department of Education

Search Standards & Resources | GaDOE Website

GeorgiaStandards.Org One Stop Shop for Educators
GATEWAY TO EDUCATION & PROFESSIONAL RESOURCES

GP'S WEB SITE FINDER

- Monthly Resources
- Professional Learning
- Unit Design Builder
- Projects and Programs
- Partners in Education
- Online Teacher Resources

TEACHER TOOLS

- Answers.com
- Graphic Organizers
- Webquests
- RubiStar
- Tools for Teachers
- e-Learning Tools
- 4Teachers.org
- Copyright and Fair Use Guidelines
- National Library of Virtual Manipulatives
- Read Write Think
- Bilingual Education and ELL
- SpITrain

Submit a Teacher Tool

Welcome to GeorgiaStandards.org

- English Language Arts
- Mathematics
- Social Studies
- Science
- CTAE
- Modern Languages & Latin
- Reading
- Teachers as Advisors

Standards Resources

Keywords:

Grades:

<input type="checkbox"/> KK	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7
<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11
<input type="checkbox"/> 12			

Subject:

Thinkfinity
Supported by the Verizon Foundation

MYGADOE LOGIN

Username:

Password:

[I forgot my password!](#)
[Sign Up](#) | [How to Login](#)

TOP PICKS

- Annenberg
- GALILEO
- Thinkfinity
- The New Georgia Encyclopedia
- GPB Streaming

HFI PF111 LINKS

National Library of Virtual Manipulatives

The screenshot shows the Georgia Standards & Resources website. At the top, there is a navigation menu with links for Home, Introduction, English Lang. Arts, Mathematics, Social Studies, Science, and Training. The main header features the Georgia Department of Education logo and the tagline "Helping students excel." Below this, there is a search bar and a "GaDOE Website" link.

The main content area is titled "GeorgiaStandards.Org One Stop Shop for Educators" and includes a "GATEWAY TO EDUCATION & PROFESSIONAL RESOURCES" banner. The page is divided into several sections:

- GP'S WEB SITE FINDER:** A list of links including Monthly Resources, Professional Learning, Unit Design Builder, Projects and Programs, Partners in Education, and Online Teacher Resources.
- TEACHER TOOLS:** A sidebar containing links for various resources, including "National Library of Virtual Manipulatives". A red arrow points to this link.
- Welcome to GeorgiaStandards.org:** A central section with icons for English Language Arts, Mathematics, Social Studies, Science, CTAE, Modern Languages & Latin, Reading, and Teachers as Advisors.
- Standards Resources:** A search area with a "Keywords:" field, a "Grades:" grid with checkboxes for grades KK through 12, and a "Subject:" dropdown menu.
- Thinkfinity:** A section supported by the Verizon Foundation, featuring a "MYGADOE LOGIN" form with fields for Username and Password, and buttons for Login and Clear.
- TOP PICKS:** A list of recommended resources including Annenberg, GALILEO, Thinkfinity, The New Georgia Encyclopedia, and GPB Streaming.

National Library of Virtual Manipulatives

National Library of Virtual Manipulatives

 National Library of Virtual Manipulatives
Click here to learn more about the NLVM CD 

Utah State UNIVERSITY 

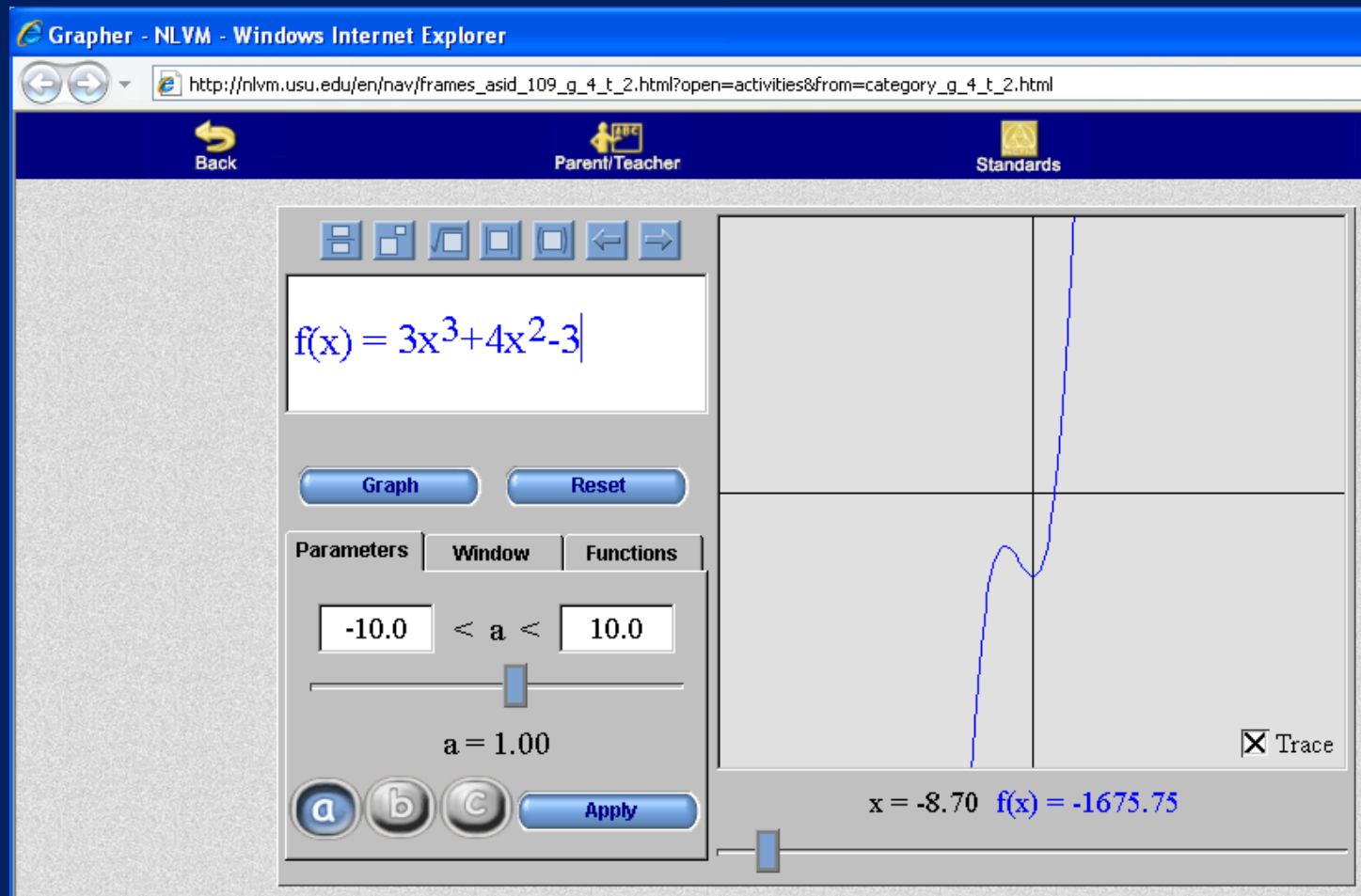
Home Virtual Library About eNLVM Buy Now! Search

[Download Free Trial Desktop Version](#)

Index	Pre-K – 2	3 – 5	6 – 8	9 – 12
Number & Operations				
Algebra				
Geometry				
Measurement				
Data Analysis & Probability				

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Credits | Contact | Languages ▾ ▶

Free Computer Graphing Tool



SciTrain

Home Introduction English Lang.Arts Mathematics Social Studies Science Training



GEORGIA
DEPARTMENT OF
EDUCATION
Kathy Cox State Superintendent of Schools

Helping students excel.
Georgia Department of Education

Search Standards & Resources | GaDOE Website

GeorgiaStandards.Org One Stop Shop for Educators
GATEWAY TO EDUCATION & PROFESSIONAL RESOURCES

GP'S WEB SITE FINDER

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- Online Teacher Resources

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- Webquests
- RubiStar
- Tools for Teachers
- Learning Tools
- Teachers.org
- Copyright and Fair Use Guidelines
- National Library of Virtual Manipulatives
- Visual Write Thinking
- Individual Education and ELL
- SciTrain

Submit a Teacher Tool

Welcome to GeorgiaStandards.org

- English Language Arts
- Mathematics
- Social Studies
- Science
- CTAE
- Modern Languages & Latin
- Reading
- Teachers as Advisors

Standards Resources

Keywords:

Grades:

<input type="checkbox"/> KK	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7
<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11
<input type="checkbox"/> 12			

Subject:

Thinkfinity
Supported by the Verizon Foundation

MYGADOE LOGIN

Username:

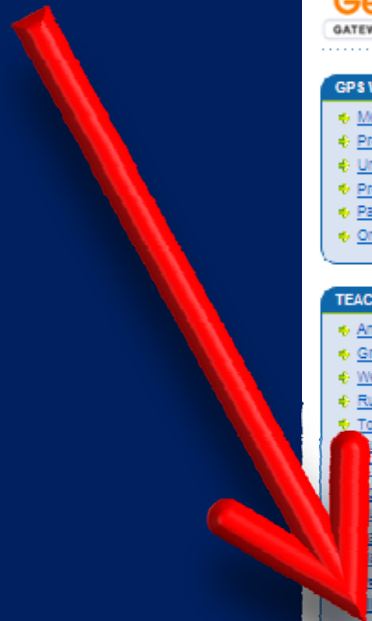
Password:

[I forgot my password!](#)
[Sign Up](#) | [How to Login](#)

TOP PICKS

- Annenberg
- GALILEO
- Thinkfinity
- The New Georgia Encyclopedia
- GPB Streaming

HFI PFI I INKS



Support for Students with Disabilities

Georgia Tech | College of Architecture

catea

Home News Events Projects Products Publications Resources About

SciTrain Navigation

- About this Project
- Science Training
- Math Training
- Accommodations
- Publications Database
- Research
- Staff

COA News

Conference 2008
 Register here

CATEA Courses

Mobility

- [Evidence-Based Manual](#)
- [Wheelchair Course](#)
- [Prescription & Practice](#)



Science and Math for All

Welcome to SciTrain

Latest News

Teacher Training

- [Accessible Science Training](#)
- [Accessible Math Training](#)

Learn how to make your science and math classrooms more effective for students with disabilities and ADHD. SciTrain online courses are free – take them at your own pace and learn about classroom accommodations, adapted tests and laboratories, assistive technology, laws and policies and much, much more.

What is SciTrain?

SciTrain is a research initiative to train high school math and science teachers to be more effective instructors for students with disabilities. Through surveys, focus groups, and teacher evaluations, SciTrain pursues the goal of

GPS Monthly Resources



The screenshot shows the Georgia Standards & Resources website. A large red arrow points to the 'Monthly Resources' link in the 'TOP WEB SITE FINDER' section. The website header includes the Georgia Department of Education logo and navigation links for Home, Introduction, English Lang.Arts, Mathematics, Social Studies, Science, and Training. The main content area features a 'Welcome to GeorgiaStandards.org' section with icons for English Language Arts, Mathematics, Social Studies, Science, CTAE, Modern Languages & Latin, Reading, and Teachers as Advisors. There is also a 'Standards Resources' search section with a keyword field, a grade selection grid (KK, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12), and a subject dropdown menu. On the right side, there is a 'Thinkfinity' login section and a 'TOP PICKS' section with links to Annenberg, GALILEO, Thinkfinity, The New Georgia Encyclopedia, and GPB Streaming.

Home Introduction English Lang.Arts Mathematics Social Studies Science Training

GEORGIA
DEPARTMENT OF
EDUCATION
Kathy Cox State Superintendent of Schools

Helping students excel.
Georgia Department of Education

Search Standards & Resources | GaDOE Website

GeorgiaStandards.Org One Stop Shop for Educators
GATEWAY TO EDUCATION & PROFESSIONAL RESOURCES

TOP WEB SITE FINDER

- Monthly Resources
- Professional Learning
- Unit Design Builder
- Projects and Programs
- Partners in Education
- Online Teacher Resources

TEACHER TOOLS

- Answers.com
- Graphic Organizers
- Webquests
- RubiStar
- Tools for Teachers
- e-Learning Tools
- 4Teachers.org
- Copyright and Fair Use Guidelines
- National Library of Virtual Manipulatives
- Read Write Think
- Bilingual Education and ELL
- SciTrain

Submit a Teacher Tool

Welcome to GeorgiaStandards.org

English Language Arts Mathematics Social Studies Science

CTAE Modern Languages & Latin Reading Teachers as Advisors

Standards Resources

Keywords:

Grades:

<input type="checkbox"/> KK	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7
<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11
<input type="checkbox"/> 12			

Subject:

Thinkfinity
Supported by the Verizon Foundation

MYGADOE LOGIN

Username:

Password:

[I forgot my password!](#)
[Sign Up](#) | [How to Login](#)

TOP PICKS

- Annenberg
- GALILEO
- Thinkfinity
- The New Georgia Encyclopedia
- GPB Streaming

HFI PFI I INKS

Find out what's new in Math!

New GeorgiaStandards.Org Content April 2008

- Teachers-As-Advisors
- English Language Arts
- Mathematics
- Social Studies
- Science
- CTAE
- Training
- Additional Information

Thinkfinity

The screenshot shows the Georgia Standards.org website. At the top, there is a navigation menu with links for Home, Introduction, English Language Arts, Mathematics, Social Studies, Science, and Training. Below the navigation is a banner for the Georgia Department of Education, featuring a child with arms raised and the text "Helping students excel". A red arrow points from the word "Thinkfinity" in the main title to the Thinkfinity logo on the page.

Georgia Standards.org One Stop Shop for Educators
GATEWAY TO EDUCATION & PROFESSIONAL RESOURCES

Thinkfinity
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- English Language Arts
- Mathematics
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- Modern Languages & Latin
- Reading
- Teachers as Advisors

Standards Resources

Keywords:

Grades:

<input type="checkbox"/> KK	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7
<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11
<input type="checkbox"/> 12			

Subject:

MYGADOE LOGIN

Username:

Password:

[I forgot my password!](#)
[Sign Up](#) | [How to Login](#)

TOP PICKS

- Annenberg
- GALILEO
- Thinkfinity
- The New Georgia Encyclopedia
- GPB Streaming

HFI PF111 LINKS

Mathematics Resources

Thinkfinity FREE educational resources for everyone
supported by the Verizon Foundation

myThinkfinity

What is Thinkfinity?

Thinkfinity delivers FREE, top-quality online educational resources to strengthen problem-solving, creativity and critical thinking skills for success in the 21st Century.

- ✓ Thousands of lesson plans, educational games, activities and more
- ✓ Content created by premier education organizations and experts
- ✓ Stimulating opportunities for professional development

Try it now. Select your path:

educator

student

parent

afterschool

search for **lesson plans,
interactives & more...**

Enter Keyword(s):



I am searching as a:

Choose One 

SUBJECT AREAS:

ADULT & FAMILY LITERACY
ARTS & CULTURE
ECONOMICS
GEOGRAPHY
HISTORY & SOCIAL STUDIES
LITERATURE
MATHEMATICS
READING & LANGUAGE ARTS
SCIENCE

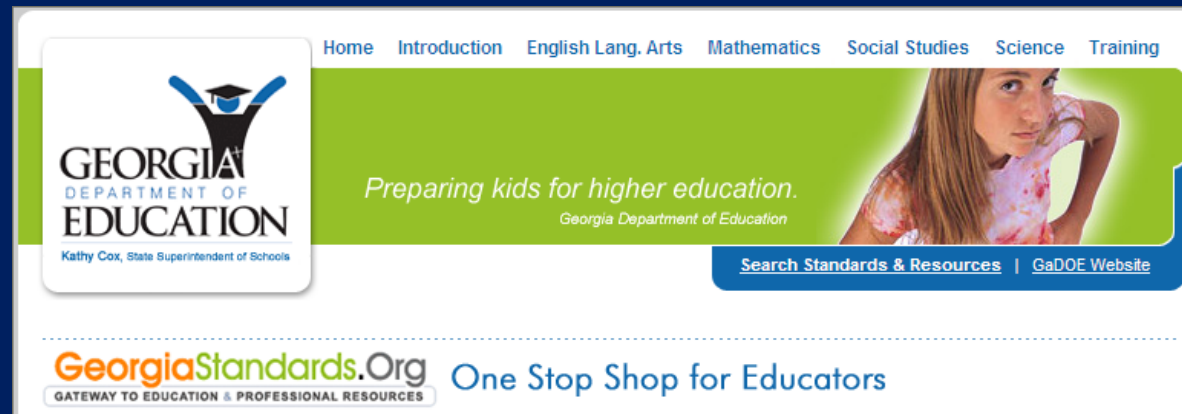
CONTENT BY:



Thinkfinity
supported by
Verizon

On-line Courses for Students

From here:



Scroll down
and
Click here





Shaping brighter futures.
Georgia Department of Education



Select Role to Login

- Student
- Parent
- Facilitator/Monitor
- Staff

Important Information and Links

[Register for Courses](#)

[Summer 2008](#)

[Fall 2008 - Spring 2009](#)

[Demo Course](#)

[Is Online Learning for Me?](#)

[Home School Students](#)

[Support Team](#)

[GA DOE Credit Recovery Program](#)



Welcome to GA Virtual School

Providing Options and Opportunities

- Registration for Summer 2008 and Fall 2008 - Spring 2009 is currently available to all students.
- [Click here for important session dates and deadlines.](#)
- Registration for GA DOE Credit Recovery Courses is now open.*
- Office of Technology Services offers Middle School Technology Literacy Assessment.*
- GA DOE Middle School Math Remediation Resource now available.*

*These programs are available only to public school students.

Not every classroom has blackboards and wooden desks.



www.GAVirtualSchool.org

What's 'In the Works'?

More Teacher Editions

Professional Learning online courses

What's missing?

What additional resources would you like to see?

Afternoon Break

Sharing, Collaborating and Team Building

- ⦿ Set up systems for regular collaboration
- ⦿ Implement tasks in your classes
- ⦿ Begin to move to a standards-based classroom
- ⦿ Encourage other teachers to try tasks
- ⦿ Reflect and revise tasks

Nuggets for Team Building

- ⦿ Think of ways to include the resistant and quiet
- ⦿ Plan ways to share leadership and responsibility
- ⦿ Keep tone positive - “can do” attitudes
- ⦿ Consider how and when teachers can collaborate
- ⦿ Encourage the creation of policies and procedures that foster collaboration among teachers

SHARE
YOUR
PLAN

Thank You!!!!

We touch the
future;
We teach.

