

Greetings from the NCDPI Elementary Mathematics Consultants,



Welcome Back to School Elementary Mathematics Friends. Another year of making a difference for the students in North Carolina. We hope your school year is off to a great start. We want to share some updates about DPI elementary mathematics.

Please make sure you visit the mathematics wiki:
<http://maccss.ncdpi.wikispaces.net/Elementary>

- **3-5 Unpacking Documents** have been revised – always look in the bottom right hand corner of the document to see if you have the latest version. You can also look at the revision table and make revisions to your already printed document.
- **3-5 Formative Instructional and Assessment Tasks for the Common Core State Standards in Mathematics** have been compiled and can now be accessed in one document on the mathematics wiki.
- **5th Grade Lessons for Learning Document** will include four additional volume lessons. This updated document will be posted on the mathematics wiki by the end of October.
- **2014-2015 K-2 Mid-Year and Summative Assessments** have been revised and released. They are now posted on the math wiki.
- **2015-2016 K-2 Mid-Year Assessments** have a new look this year. The mid-year assessment should be formative and guide classroom instruction. When scoring student work, the rubric should assist teachers in identifying student needs. Rubric proficiency levels for the mid-year are “Not Yet”, “Progressing”, and “Meets Standard”. These assessment documents now includes “Next Steps” for each task and each level of proficiency to help teachers with instructional decisions as they move students forward with mathematics thinking. District leaders will have access to 2015-2016 assessments mid-October. There will also be a webinar describing the changes and answering questions regarding K-2 Math Assessments at the beginning of November.



Frequently Asked Questions

1. What and when are the fall Regional Professional Development Elementary sessions?

What: Principles to Actions

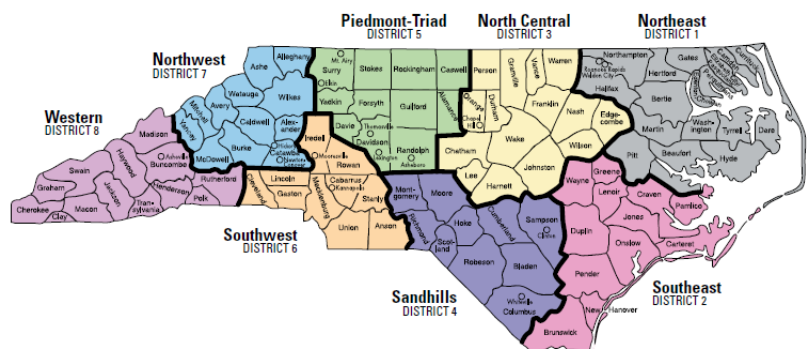
Come experience the action required to ensure that all students become mathematical thinkers and are prepared for any academic career or professional path they choose. *Principles to Actions* from NCTM sets forth a set of strongly recommended, research-informed actions for all teachers, coaches, and specialists in mathematics.

When:

District 3- October 7, 2015

District 4- November 12, 2015

District 5- September 30, 2015

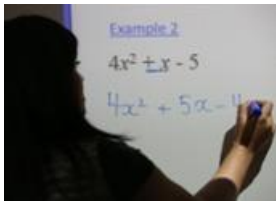


2. **Where can I find support materials and resources for Math?** All NCDPI-produced support materials and resources can be located on the Math Wiki. Go to <http://maccss.ncdpi.wikispaces.net/Home>



Something to think about...

How making math "mistakes" supports learning



Allowing students to make "mistakes" as they work through math problems is an essential part of their learning process, says David Wees, a formative assessment specialist in mathematics in New York. Wees shares why the focus should be on students' thinking as they attempt to solve math challenges, and not simply whether they reach the correct answer. KQED.org

How to foster "productive failure" in the classroom



Teachers should encourage students in "productive failure" and praise them for their problem-solving process, even if they come up with the wrong answer, according to research by a Stanford University psychologist. The university offers videos designed to help teachers foster a growth mindset in the classroom. KQED.org

The inclusion of items in this update does not imply the endorsement or verification of accuracy by this agency.

NCCTM

NORTH CAROLINA COUNCIL OF TEACHERS OF MATHEMATICS
Promoting Excellence in Mathematics Teaching and Learning for All

Leadership Seminar
Next Steps for Mathematics Education Leadership
Wednesday, November 4th from 9:00am – 3:30pm

45th Annual State Mathematics Conference
Principles to Actions in Action
Thursday, November 5th – Friday, November 6th
Register today at www.ncctm.org

Leadership Seminar

Next Steps for Mathematics Education Leadership

Wednesday, November 4th from 9:00am – 3:30pm



Dan Brahier: *Principles to Actions: What Is a Teacher to Do?*

Diane Briar: *Five Years of Common Core State Mathematics Standards: Essential Actions for Moving Forward*

Jon Wray: *Mathematics Leaders Taking Action: Professional Learning and Alignment with the Mathematics Teaching Practices*

***Must pre-register for the Leadership Seminar online by October 23/2015.** Registration fee includes lunch.
Registration fee for current members \$65 Registration fee for non-members \$75

45th Annual State Mathematics Conference

Principles to Actions in Action

Thursday, November 5th – Friday, November 6th

Keynote Speakers



Dan Brahier: *Principles to Actions: What Is a Teacher to Do?*



Diane Briars: *NCTM Principles to Actions: Turning Standards into Learning*



Doug Clements: *The Building Blocks of Mathematics*



Tim Kanold: *The Secret to Great Mathematics Instruction: Inspiring Your Students to Learn*



Jon Wray: *Coming Together: Common Agreements about Teaching Mathematics*

Featured Speakers



Shirley Disseler: *Igniting the Middle School Mind: Action Minded Math*



Charlene Sheets: *Mathematics: Language of the New Millennium*



Register today at www.ncctm.org

Join the DPI Elementary Mathematics Team for the State Mathematics Conference on November 5-6 in Greensboro

NCCTM DPI Sessions

Principles to Actions DPI Sessions

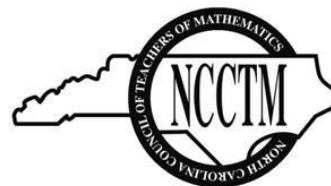
Thursday, November 5th, 2015

Grades 3-5: Ensuring Math Success for All

Kitty Rutherford, Denise Schulz, and Marta Garcia

Thursday 8:30-10:00 in Auditorium III

Come experience the action required to ensure that all students become mathematical thinkers and are prepared for any academic career or professional path they choose. *Principles to Actions* from NCTM sets forth a set of strongly recommended, research-informed actions for all teachers, coaches, and specialist in mathematics. North Carolina Department of Public Instruction (DPI) updates will also be given in this session.



Don't Do It!

Thursday, November 5th, 2015

Grades 3-5: Michael Mahoney and Kitty Rutherford

Thursday 11:30-12:15 in Oak C

Come explore common mathematical misconceptions that hinder student's conceptual understanding. Avoid quick fixes and short cuts and learn strategies that build a solid foundation to develop mathematical thinkers. Examples of test items will demonstrate how misconceptions can impede student achievement.

Grades K-2: Addressing Myths and Misconceptions with Tier II Students

Thursday, November 5th, 2015

Denise Schulz and Matt Hoskins

Thursday 12:30-2:00 in Auditorium II

This session will address how to dispel some common myths and misconceptions about teaching and learning mathematics. Through the use of effective mathematics teaching practices and research-based tier II instructional strategies, educators can avoid some of the common pitfalls when introducing students to problem solving. Special attention will be paid to the development of conceptual understanding to support procedure, which will generalize as a student progresses to more complex subject matter.

***Principles to Actions* DPI Sessions**

Friday, November 5th, 2015

Ensuring Math Success for All

Grades K-2: Denise Schulz, Kitty Rutherford and Shelly Alford

Friday 10:30-12:00 in Auditorium III

Come experience the action required to ensure that all students become mathematical thinkers and are prepared for any academic career or professional path they choose. *Principles to Actions* from NCTM sets forth a set of strongly recommended, research-informed actions for all teachers, coaches, and specialist in mathematics. North Carolina Department of Public Instruction (DPI) updates will also be given in this session.

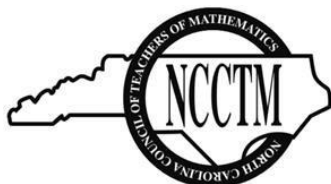
Presidential Awards for Excellence in Mathematics

Friday, November 5th, 2015

Grade K-6: Kitty Rutherford and other PAEMST Awardees

Friday 12:30-1:15 in Auditorium III

The Presidential Award for Excellence in Mathematics Teaching is the highest recognition that a K-12 teacher may receive. Come learn how you can receive \$10,000 and a trip to Washington, DC.



We hope to see you there!





Congratulations go to...

2014-2015 NCCTM Outstanding Elementary Math Teachers

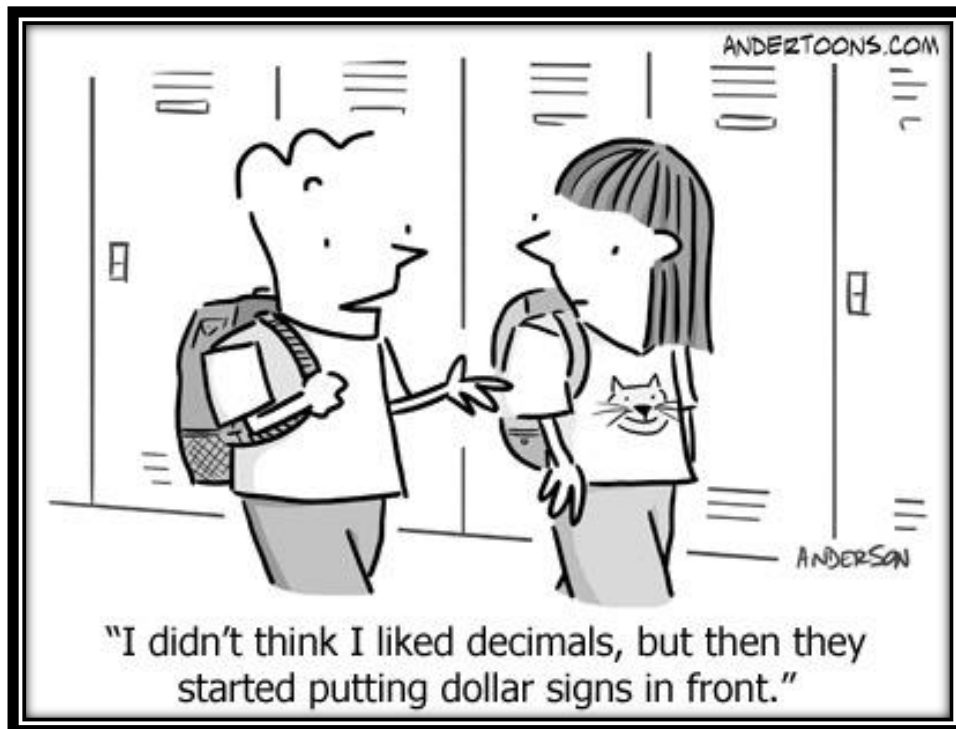
To be honored at the Conference during the Awards Celebration

First Name	Last Name	LEA
Ann "Renee"	Boyd	Alamance Burlington
Melissa	Bowman	Alexander
Tina	Key	Ashe
Bailey	Toomes	Asheboro City
Kara	Rice	Asheville City
Kim	Wiseman	Avery
Anita	Rayburn	Beaufort
Carla	Bethea	Bladen
Charlene	Martin	Buncombe
Amy	Shoe	Cabarrus
Melissa	Wiant	Caldwell
Toni	Luther	Carteret
Danya	Diggs	Caswell
Lisa	Schanilec	Catawba
Rebecca	Tompkins	Chatham
Casey	Avery	Clinton City
Amanda	Greene	Columbus
Amber	Mirise	Craven
Amber	Everett	Currituck
Katherine	McGee	Dare
Debbie	Dawson	Davidson
Monica	Rivenbark	Duplin
Britney	Phillips	Edgecombe
Sarah	Crisp	Gaston
Anita	Winn	Gates
Marlene	Creary	Haywood
Dana	Wells	Hendersonville
Dorothy	Dalton	Hickory City
Shequeta	Fripp	Hoke
Leslie	Buchanan	Jackson
Lauren	Strickland	Johnston
Laura	Baker	Kannapolis City
Brandon	Morehouse	Lee
Monica	Griffin	Lexington City
Jennifer	Broome	Lincoln
Jessica	Ross	McDowell
Rebekah	Lonon	Charlotte/Mecklenburg
Amy	Thomas	Mitchell
Melissa	Cox	Moore
Kristin	Mangano	Nash/Rocky Mount
Mischele	Glover	Newton-Conover
Patricia	Corbett	Onslow
Holly	Winslow	Perquimans
Carrie	Briggs	Person
Laura	Skinner	Pitt

Rebecca	Parks	Randolph
Kate	Murray	Richmond
Tiffany	Locklear	Robeson
Jonathan	Pratt	Rockingham
Faith	Bailey	Rutherford
Tricia	Eury	Scotland
Pam	Hyatt	Stanly
Kathy	Wilson	Stokes
Tracy	Cornett	Surry
Sandra	English	Swain
Andrea	Wisniewski	Union
Katie	Melin	Wake
Chrissy	Biggs	Washington
Jamie Dale	Sherrill	Watauga
Donna	Lewis	Wayne
Rebecca	Kilpatrick	Wilkes
Robin	Bass	Wilson
Jennifer	Beach	Winston-Salem/Forsyth
Jill	Owens	Yadkin
Kathleen	Ellis	Voyager Academy

Congratulations

Looking forward to seeing you at the conference!



←
Congratulations go to...

2014 Elementary

Presidential Awards for Excellence in Mathematics and Science Teaching State Finalists



Heather Landreth
K-6 Mathematics
W.H. Robinson Elementary
Winterville, NC

Kayonna Pitchford
K-6 Mathematics
Stoney Point Elementary
Fayetteville, NC

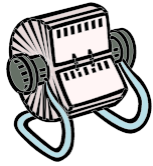
Meredith Stanley
K-6 Mathematics
Haw Creek Elementary
Asheville, NC

Announced this summer.....

2013 Secondary PAEMST Awardee

Julie S. Riggins from East Forsyth High School
At the White House in July, 2015





Elementary Mathematics Consultants' Contact Information

Kitty Rutherford kitty.rutherford@dpi.nc.gov
and
Denise Schulz denise.schulz@dpi.nc.gov

Join the Listserv

If you have friends that are not on the **elementary mathematics listserv** but want to find out what's going on at the state level please encourage them to join our elementary listserv.

Teachers can join the listserv by doing the following:

1. Send an email to the Listserv by cutting and pasting the following address into the "To" box within your email application: join-k-5_math@lists.dpi.state.nc.us
2. Leave the subject line and the body of the message blank. Once successfully subscribed, a confirmation email will be sent
3. If you have any trouble please contact Susan Hart at Susan.hart@dpi.nc.gov.

Follow Us!



@ncmathematics



NC Mathematics www.facebook.com/NorthCarolinaMathematics



For all you do for our students every day!

Other

How prepared are you to foster global awareness in your students? Do you know about the **Global Educator Digital Badge for Teachers** where you have the opportunity to focus your professional development to develop your own global context and understanding of how to integrate throughout your curriculum those chances to build global competency in your students? The State Board of Education approved North Carolina Global Educator Digital Badge (GEDB) for Teachers is available now. Once teachers have completed their Global Education focused annual Professional Development Plan, they can officially notify NCDPI and begin the process. For more information on the Badge (SBE Policy, FAQs, Implementation Guide and archived webinars for teachers and principals), and information on the development of additional criteria for other educators to earn the GEDB, please visit: <http://www.ncpublicschools.org/globaled/actions/item1-2>, or contact Helga Fasciano, Special Assistant for Global Education at helga.fasciano@dpi.nc.gov.

NC Association of Elementary Educators
Elementary School Conference, October 18-20
Embassy Suites Resort and Convention Center in Concord, NC.
Register today! www.ncvi.org/ncaeec