



## Greetings from the NCDPI Secondary Mathematics Team,

Welcome Back to School!!!

We hope your school year is off to a great start. We just wanted to share some updates about DPI secondary mathematics.

- **Essentials for College Math Course**

We are pleased to announce that the new SREB Math READY course has been given provisional inclusion as a course that meets the fourth math course requirement for UNC admission beginning with students applying for admission to UNC for the 2015-16 year. Essentials for College Math is a course that emphasizes understanding mathematics concepts rather than just memorizing procedures. It is a higher-level mathematics course that seamlessly integrates the mathematical content standards with the standards of mathematical practice enabling students to learn in a hands-on interactive way.



- **Secondary Math Progressions**

The Secondary Math progressions are posted on the High School page of the DPI mathematics wiki. This document displays how standards from Early Equations and Expressions in Elementary School progress across 6-12 mathematics to Functions in High School. This resource is intended to help schools and districts construct curriculum for their students that follow the learning progression of the middle and high school standards. The document displays the standards progressions within and between grade levels and courses.

Here is an opportunity for you to give your feedback! The progressions will be posted in draft form until October 1. You can download them, use them, share them and then provide us with feedback to make them better.

- **State Superintendent Addresses Changes in Standard Course of Study**

Dr. June Atkinson shares information on recent Legislative decisions around NC's Standard Course of Study. The decision holds no changes for the 2014-15 school year. Dr. Atkinson outlines the timeline for how the changes will affect NC schools in years to come.

**Link:** → [mov, 21.7mb](#)

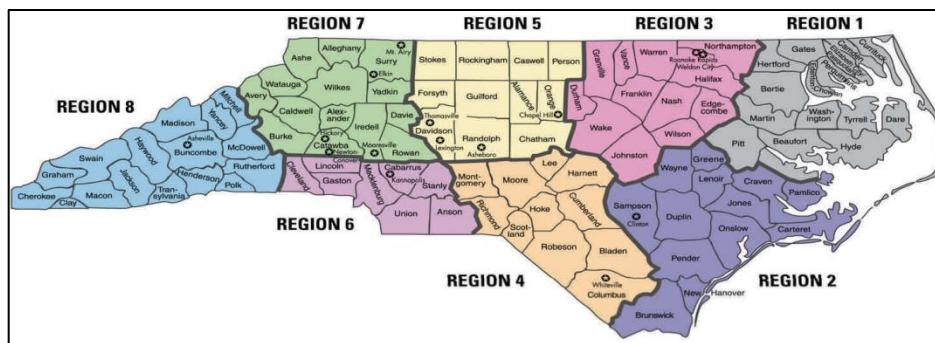


## Frequently Asked Questions

### 1. What and when are the fall RESA Professional Development sessions?

**What:** Equip Training

The EQUiP (Educators Evaluating the Quality of Instructional Products) rubric is a tool designed to identify high-quality materials aligned to the Common Core State Standards (CCSS). The objectives of the training are two-fold: • Increase the number of high quality lessons and units aligned to the CCSS • Build the capacity of educators to evaluate and improve the quality of instructional materials for use in their classrooms and schools This session will allow participants an opportunity to learn and use the rubric so that they can implement in their schools and districts.



**When:**

**Region 1-** October 7, 2014

**Region 2-** November 6, 2014

**Region 3-** September 25, 2014

**Region 4-** October 15, 2014

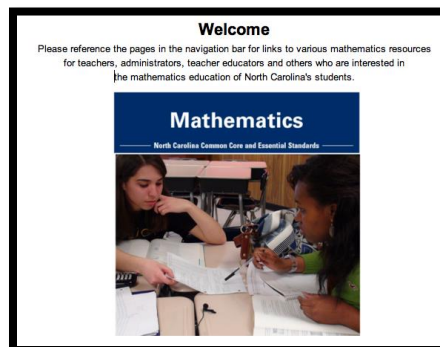
**Region 5-** September 23, 2014

**Region 6-** September 19, 2014

**Region 7-** October 16, 2014

**Region 8-** October 1, 2014

### 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>





## Looking Ahead....

### Updates to the Unpacking Documents for 6-8 Mathematics and Math I, II and III

The Secondary Math Unpacking documents will be updated this Fall. The documents will have updated examples and more clarification on the standards.

### Instructional Resources for AFM, Discrete Mathematics and Precalculus

Instructional resources to support the teaching of AFM, Discrete Math and Precalculus will be posted on the secondary math wiki by Mid-October. These documents will help to clarify the teaching and learning of these newly tested courses.

### More Secondary Math Progressions

Progressions for Statistics & Probability and Geometry are currently in development with an anticipated release date of early Spring.

## Something to think about

As your new school year starts take some time and think about these two questions:

1. Why do students have to do math problems?
  - a. To get answers because Homeland Security needs them, pronto.
  - b. I had to, why shouldn't they?
  - c. So they will listen in class.
  - d. To learn mathematics.
2. When teaching mathematics is it about Answer Getting vs. Learning Mathematics?
  - "How can I teach my kids to get the answer to this problem?"
  - "How can I use this problem to teach the mathematics of this unit?"



We ask that you take just a few minutes and listen to Phil Daro, one of the Common Core State Standards for Mathematics writers. We think you will find this short clip very interesting. If you get a chance talk with some of your co-workers about what he says and how this might affect your teaching this year. Enjoy!

Link: <http://vimeo.com/30924981>



## Contact Information

### Secondary Mathematics Consultants

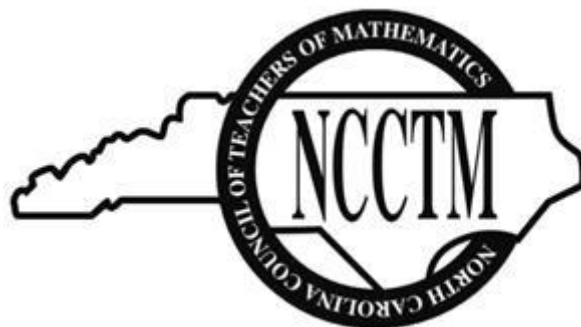
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### Mathematics Section Chief

Dr. Jennifer Curtis [jennifer.curtis@dpi.nc.gov](mailto:jennifer.curtis@dpi.nc.gov)

**Announcement**

**2014 North Carolina Council of Teachers of Mathematics Conference**



Join the DPI Mathematics Team for this Conference  
on October 29-31 in Greensboro

**Announcement**

**2013-2014 NCCTM Outstanding Secondary Math Teachers**

Last Name	First Name	LEA		Last Name	First Name	LEA
Moore	Steve	Alamance Burlington		Calloway	Melissa	Iredell-Statesville
Church	Josh	Ashe		Stillwell	Renee	Jackson
Phillips	John	Asheboro City		Collins	Karen	Johnston
Andrews	Sherman	Avery		Jones	Heidi	Lenoir
Scott	Heather	Beaufort		Ferguson	Miranda	McDowell
Jennings	Samuel	Brunswick		Frey	Kelly	Moore
Clark	Kimberly	Buncombe		Spear	Taylor	New Hanover
Weaver	Cheryl	Burke		Allen	Michael	Newton-Conover
McCarthy	Jennifer	Cabarrus		Simmons	Jennifer	Onslow
Hines	Tamara	Caldwell		Lefler	Pamela	Pamlico
Storms	Anna	Carteret		Tyson	Kim	Perquimans
Paytes	Leslie	Charlotte-Meck		Sackett	Justin	Person
Shaw	Tracey	Chatham		Baker	Renea	Pitt
Mansfield	Shari	Cleveland		Callahan	Donna	Randolph
Edwards	W.T.	Columbus		Sheats	Frances	Robeson
Warren	Kelly	Craven		Blackard	Tracy	Rockingham
Cannon	Phyllis	Cumberland		Mays	Lindsay	Rutherford
Davenport	Diane	Currituck		Houston	Theresa	Scotland
Lewis	Wendy	Dare		Hardy	Adria	Transylvania
Shore	Yvette	Davie		Gibbons	Suzanne	Wake
Coggins	April	Davidson		Broome	Chad	Union
Humphries	Jeri Denise	Duplin		Smith	Jessica	Watauga
Joyner	Carla	Durham		Lewis	Angela	Wayne
Kirkman	Lydia	Guilford		Canter	Carol	Wilkes
Jones	Deb	Haywood		Wonsavage, Jr.	Franklin	Winston-Salem/Forsyth
Honeycutt	Tyler	Henderson		Fowler	Kristy	Yadkin
Huggins-White	Tiffany	Hoke		Pearson	Jodi	East Wake Academy-Middle

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

## Join the Listserv

If you have friends that are not on the **secondary mathematics listservs** but want to find out what's going on at the state level please encourage them to join our 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-msmathdpi@lists.dpi.state.nc.us](mailto:join-msmathdpi@lists.dpi.state.nc.us) (middle grades) or [join-hsmathdpi@lists.dpi.state.nc.us](mailto:join-hsmathdpi@lists.dpi.state.nc.us) (secondary)
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](mailto:Susan.hart@dpi.nc.gov).

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**For all you do for our students every day!**