

Responding to the New Graduation Requirements: A Principals Meeting & Discussion

Sponsored by the Teacher Algebra Network

March 4, 2009

Broyhill Inn & Conference Center

Boone, NC

March 4, 2009

To Principals Meeting Participants:

When the Teacher Algebra Network began, we sought to increase communication within and among participating school districts about preparing students for secondary coursework. That conversation has become relevant to our neighboring counties as new graduation requirements, specifically for mathematics, encourage us to consider the specific needs of students who may be encountering new mathematics courses and concepts.

Although each district in our region has its own unique characteristics, we all share some commonalities, including our sincere desire to see all students succeed in their individual goals. It is with this thought in mind that the Teacher Algebra Network welcomes you to the Principals Meeting & Discussion, an opportunity for your district to share program or policy changes that will be implemented toward meeting this goal and perhaps to glean some ideas from your neighbors. As always, the faculty at Appalachian State University offer assistance in uncovering information and facilitating conversations as you negotiate how your district will respond.

We appreciate your time in participating in today's conversation and hope that this meeting will lead to increased dialogue among the participating districts. We hope that you may generate thoughts to share and questions to ask.

If you have any questions, suggestions, or other requirements, please do not hesitate to contact us. Relevant contact information for all participants is provided in this folder.

Sincerely,

Dr. Katherine J. Mawhinney
Assistant Professor

Dr. Tracie McLemore Salinas
Assistant Professor

Responding to the New Graduation Requirements:

A Principals Meeting & Discussion

March 4, 2009

9:00 – 9:15	Registration and Coffee
9:15 – 9:30	Welcome and Introductory Remarks Dr. Tracie McLemore Salinas Dept. of Mathematical Sciences, ASU
9:30 – 9:45	Preparation for Gallery Walk
9:45 – 11:00	Gallery Walk and Question Preparation
11:00 – 11:45	Discussion and Sharing
11:45 – 1:00	Concluding Remarks and Lunch Dr. Katherine J. Mawhinney Dept. of Mathematical Sciences, ASU

Preparing for the Gallery Walk

On your table, you will find materials with which to make a poster that shares some characteristics of your school and/or district. Please compile that material onto the poster and provide it to a facilitator or assistant to display. The information that we would like for you to include will be:

- Number of schools in the district (elementary, middle, and secondary)

- Population size of secondary school and number of math teachers

- Population characteristics

- Estimated number of college-bound graduates (2 or 4 year college)

- Number of students taking pre-algebra or a 1a/1b type year of algebra

- Any program changes being implemented in the coming year(s) and a brief description of those changes

- Any policy changes being implemented in the coming year(s) and a brief description of those changes

The Gallery Walk – Sharing Information and Guiding the Discussion

As you walk through the room and discover information about each school and/or district, consider the following questions:

Which seem to have situations most similar to that of your own school/district?

What ideas seem to show potential?

What resources do you have that could be useful to share with others? What resources do you observe that could be useful to your own district?

What new information have you discovered?

We would also like for you to create questions for groups whose posters have presented possibilities about which you would like more information. Please record your questions on the blue pages provided and hand them to a facilitator or assistant. These will be used in guiding our discussion.

You may also have questions that would be appropriate for the mathematics educators present with us today. Please record those questions on the appropriate page as well.

Question Recording Pages

Poster 1: **Alexander County**

Poster 2: **Alleghany County**

Poster 3: **Ashe County**

Poster 4: **Avery County**

Poster 5: Burke County

Poster 6: Caldwell County

Poster 7: Davie County

Poster 8: Watauga County

Poster 9: Wilkes County

For Mathematics Educators:

For DPI:

1. North Carolina Dept. of Public Instruction
Presentation from the Western Region NCCTM Conference
February 28, 2009
2. North Carolina Dept. of Public Instruction
Future-Ready Core Course of Study Mathematics Graduation Requirements
3. North Carolina Dept. of Public Instruction
Contact Information and Resources
4. National Center for Education Statistics
Statistics Brief – *Course Credit Accrual and Dropping Out of High School, by Student Characteristics*
5. National Center for Education Statistics
Issue Brief – *Educational Attainment of High School Dropouts 8 Years Later*
6. National Center for Education Statistics
Profile of Undergraduates in U.S. Postsecondary Education Institutions: 2003 – 2004 with a Special Analysis of Community College Students
7. National Center for Education Statistics
Selected Data for Participating Counties – Educational Attainment of Adults
8. Contact Information – Participants at the Principals Meeting & Discussion

K – 12 Mathematics Section

Contact Information:

Renee Cunningham Elementary Mathematics Consultant 919-807-3839 rcunningham@dpi.state.nc.us	Kitty Rutherford Elementary Mathematics Consultant 919-807-3934 krutherford@dpi.state.nc.us
Robin Barbour Middle Grades Mathematics Consultant 919-807-3841 rbarbour@dpi.state.nc.us	Mary Russell Middle Grades Mathematics Consultant 919-807-3618 mrussell@dpi.state.nc.us
Carmella Fair Secondary Mathematics Consultant 919-807-3840 cfair@dpi.state.nc.us	Johannah Maynor Secondary Mathematics Consultant 919-807-3842 jmaynor@dpi.state.nc.us
Everly Broadway K – 12 Mathematics Section Chief 919-807-3838 ebroadway@dpi.state.nc.us	Victoria Ewing Program Assistant 919-807-3846 vwewing@dpi.state.nc.us

How to Subscribe to Math Listservs:

1. Send an email to the Listserv of your corresponding grade level by cutting and pasting the following address into your "To" box within your email application. Your options are:
join-k-5_math@lists.dpi.state.nc.us - Elementary

join-msmathdpi@lists.dpi.state.nc.us – Middle Grades

join-hsmathdpi@lists.dpi.state.nc.us - Secondary
2. Leave the subject line and the body of the message blank.
3. Once you have successfully subscribed, you will receive a confirmation email.
4. Teacher leaders, please contact Susan Hart if you would like to be added to that listserv.

Weblinks of Interest:

Instructional Resources:

DPI website: <http://community.learnnc.org/dpi/math>

Click on instructional resources

Available for purchase from DPI Publications

<http://www.ncpublicschools.org/publications>

Middle Grades Resources:

<http://www.dpi.state.nc.us/curriculum/mathematics/middlegrades/>

Instructional Resources (continued):

Mathematics Manipulative Kits from ETA/Cuisenaire

http://community.learnnc.org/dpi/math/archives/2005/06/north_carolina_2.php

- Use the NC numbers on the order form to get the NC price
- Kit for 6 – 8 will be available soon

Preparation of Graphing Calculators for EOG/EOC Testing

http://community.learnnc.org/dpi/math/archives/2008/03/graphing_calcul.php

Math Contests Information

American Mathematics Competition 8, 10, 12

www.unl.edu/amc

Mathcounts (6 – 8)

www.mathcounts.org

State Mathematics Contests (Algebra I, Geometry, Algebra II)

<http://courses.ncssm.edu/goebel/STATECON/state.htm>

Math Olympiads (4 – 8)

<http://www.moems.org/>

Purple Comet Math Contest (6 – 12)

www.purplecomet.org

JETS (9 – 12)

www.jets.org/TEAMS/index.cfm

College of Charleston Math Meet

<http://math.cofc.edu/MATHMEET/>

Additional Information:

Blue Ribbon Commission Report

http://www.ncpublicschools.org/sbe_meetings0801/accountabilityfinalreport.pdf

Future Ready Core / Alternative Mathematics Courses Objectives

http://community.learnnc.org/dpi/math/archives/2007/10/graduation_requ.php

Presidential Award for Excellence in Science and Mathematics Teaching

<http://www.paemst.org>

Mathematics & Science Partnership Grants

http://community.learnnc.org/dpi/math/archives/2008/09/msp_mathematics.php

Writing Initiative Information

<http://www.ncpublicschools.org/accountability/testing/writing/writingpilot>

