

**Elementary Math Endorsement Committee**  
**Meeting Minutes**  
**May 18, 2009**  
**USOE**  
**12:00 – 3:00 p.m.**

**Attendees:** Emina Alibegovic, Damon Bahr, Dixie Blackinton, Amy Brown, Nedra Call, Barbara Child, Shari Goodman, Lynne Greenwood, Prent Klag, Mary Kay Kirkland, Barbara Kuehl, Greg Lewis, Eula Monroe, Patricia Moyer-Packenham, Diane Pugmire, Lois Richins, Eric Rowley, Jeff Stephens, Diana Suddreth, David Wright

**Notes:** Patty Hunt

**PURPOSE: Review the Elementary Mathematics Endorsement for Post Graduate Teachers and Make Recommendations for Adoption and Implementation.**

*Lois welcomed everyone and thanked them for their continued attendance and participation in revising the Elementary Math Endorsement.*

*Please remember that an endorsement is tied to a license. Going forward, licenses will reflect “K-8.”*

**Review Finalized Syllabi Frameworks for Three Courses: Numbers and Operations; Proportionality and Rational Numbers; Geometry and Measurement Embedded in All Coursework: Technology, NCTM Standards, Core Curriculum, Differentiation, and Problem Solving (Problem Solving may become part of the Assessment Course)**

**Discussion of Other Points**

**Course Titles**

*Discussion points:*

- 1. It was suggested that course titles include the phrase: ...for K-8 licensed teachers.*
- 2. It is desirable for teachers to have several years of classroom experience prior to the pursuit of an endorsement as coursework could include classroom-based assignments.*
- 3. Pedagogy should be embedded in all classes and listed in the course description.*
- 4. A mathematics endorsement could be considered an added factor for future positions such as coaching, affect lane changes, or possibly help in pursuing a master’s degree.*
- 5. It was agreed there is a need to strengthen course objectives to clarify course contents and guide instructors.*
- 6. The following individuals will work on the 1<sup>st</sup> three syllabi to provide course detail and specificity:*  
Numbers and Operations: *Eric Rowley and Amy Bingham-Brown*  
Proportionality and Rational Numbers: *Barbara Kuehl*  
Geometry and Measurement: *David Wright and Damon Bahr*

**Prerequisites or Order of Coursework**

*It was felt that a “recommended prerequisite course” notation should be added, if necessary, in course descriptions. All classes may not be offered every year so prerequisites will be “strongly recommended.” The intent is not to deter teachers from taking a class, but to help them strengthen their knowledge of mathematics. Students need to be very aware that these classes are graduate-level classes.*

**Instructors’ Minimum Qualifications**

*As was discussed at the meeting on April 24<sup>th</sup>, minimum instructor qualification recommendations are:*

- **Master’s Degree and Current Mathematics Endorsement**  
or  
**Master’s Degree in Mathematics or Mathematics Education**

**AND**

- **3 Years Teaching Experience**

*Endorsement classes have been offered at universities with credit that can be applied to coursework for a master's degree or as in-service through districts or consortiums. Districts are responsible for quality of in-service credit classes. District sponsored course instructors will require USOE specialist approval. There is a need to build capacity as there is a tremendous district need for some students to become endorsement class instructors.*

**Test Options for Candidates**

*Following are highlights from this discussion:*

- *Need for some kind of standardized mastery test.*
- *Attain an endorsement plus pass a test.*
- *National Board Certifications include an exam.*
- *Coursework exam vs. content exam.*
- *Recent graduates must pass a Praxis test of which math is a part.*
- *The math part of the Praxis is not separated out.*
- *Some teachers who enroll will drop out.*
- *Please send assessment suggestions to Lois at [lois.richins@schools.utah.gov](mailto:lois.richins@schools.utah.gov).*

**Next Steps and Dates**

*This becomes a very busy time of year. Too many committee members were unable to meet within the next couple of weeks. It was agreed that work would continue via e-mail. Persons listed for each course will send their work to the committee. (See below.)*

**Break into Groups to Draft Frameworks for:**

**Algebra:** *Barbara Kuehl*

**Probability and Data Analysis:** *Amy Bingham Brown*

**Assessment and Analysis of Student Thinking:** *Emina Alibegovic*

*(Some felt this course should be **Assessment and Problem Solving**)*

*Individuals noted above will refine these next 3 syllabi prior to the next meeting.*

**Groups Review Framework Draft of a Different Group**

*Groups will collaborate electronically to advance work on the syllabi in preparation for the next meeting.*

**Next Meeting  
July 21, 2009  
1:00-4:00 p.m.  
Room 241, USOE**