

OFFICE OF QUALITY PROFESSIONALS AND SPECIAL SCHOOLS
Summary of State Board of Education Agenda Items
October 18-19, 2012

OFFICE OF EDUCATOR LICENSURE

- 18B. Approval to Begin the Administrative Procedures Act process: Approval of Changes to Method of Adding a Supplemental Endorsement in Mathematics 7-12 as Recommended by the Commission on Teacher and Administrator Education, Certification and Licensure and Development

Background Information:

In January of 2011, the Mississippi Mathematics Teachers Association (the Association) presented to the Commission on Teacher and Administrator Education, Certification and Licensure and Development (the Commission) a proposal asking to change the process for adding a supplemental endorsement in mathematics 7-12 to a standard license. The Association was concerned that the current guidelines are not adequate for preparing mathematics teachers with the implementation of Common Core Standards.

In the fall of 2011, the Commission authorized a subcommittee to review the proposal offered by the Association. The subcommittee consisted of Commission members, personnel from the Office of Educator Licensure and the Office of Curriculum and Instruction, common core mathematics specialists, and representatives from the Association.

The subcommittee presented a report to the Commission at the July 2012 meeting. The report included three options for adding a supplemental endorsement in mathematics 7-12 to a standard license. The Commission decided that the best option is move the mathematics endorsement from the list of licenses that can be added with any 21 hours of college mathematics coursework to the list of endorsements that require completion of an approved program of coursework. The list of coursework suggested by the committee will require a higher level of mathematics coursework to better train teachers to teach the subject. Teachers will still have the option to add mathematics to their license by passing the Praxis II test in mathematics in light of the recent State Board policy to increase the Praxis II passing score for mathematics.

Additionally, the subcommittee recommended that Elementary Education majors adding a supplemental endorsement in mathematics using pedagogy methods coursework would only be recommended for a Middle Grade 7-8 endorsement in mathematics per Standard 6 policy of the Process Review Standards for Teacher Education. To add the mathematics 7-12, they would need 21 hours of mathematics as prescribed and approved by the Commission in the approved

**APPENDIX A:
SUPPLEMENTAL ENDORSEMENTS ADDED TO A VALID MISSISSIPPI LICENSE**

**Supplemental Endorsements Added By Praxis II
Specialty Area Test**

<u>CODE</u>	<u>AREA</u>
102	Art Education
181	Biology Education
105	Business
185	Chemistry
193	Economics
119	English
130	French
134	German
143	Health Education
208	Hearing Disability K-12
322	Home Economics
135	Latin
440	Library/Media
318	Marketing
154	Mathematics
901	Math 7-8
902	Language Arts 7-8
903	Social Studies 7-8
904	Science 7-8
166	Music Education
144	Physical Education
182	Physical Science
189	Physics
192	Social Studies
140	Spanish
221	Special Ed (Mild/Mod K-12)
910	Special Education Fundamental Subjects
196	Speech Communications
218	Visually Impaired K-12

**Supplemental Endorsements
Added with 21 Hours of Coursework in Subject
(Course work must have a grade of “C” or higher)**

<u>CODE</u>	<u>AREA</u>
102	Art Education
104	Bible
105	Business Education
119	English
123	Drama (Performing Arts)
130	French
134	German
135	Latin
136	Italian
139	Russian
140	Spanish
144	Physical Education
149	Journalism
154	Mathematics
165	Music Education Instrumental
166	Music Education Vocal
171	Psychology
181	Biology
185	Chemistry
188	General Science
189	Physics
192	Social Studies
193	Economics
196	Speech Communications
302	Agriculture
318	Marketing
322	Home Economics

**Supplemental Endorsements
Added by Completion of Approved Program
(Institutional Program Verification required)**

<u>CODE</u>	<u>AREA</u>
111	Computer Applications
114	Driver Education
117	Elementary Education (4-6)
143	Health Education
150	Nursery-Grade 1 (N-1)
152	Elementary Education (K-4)
174	Reading
177	English as a Second Language
182	Physical Science
193	Economics
207	Gifted
208	Hearing Impaired (K-12)
218	Visually Impaired (K-12)
154	Mathematics 7-12
221	Mild/Moderate Disability (K-12)
222	Severe Disability (K-12) added to 221 only
223	Mild/Moderate Disability (K-8) added to elementary only
224	Mild/Moderate Disability (7-12) added to secondary or special subject license only
314	Vocational Guidance(added only to 436)
317	Cooperative Education(added to vocational license only)
328	Child Care (only added to 322 or 321—Home Economics)
329	Aging Services (only added to 322 or 321-Home Economics)
330	Clothing (only added to 322 or 321— Home Economics)
331	Food Production, Management, and Services (only added to 322 or 321— Home Economics)
440	Library/Media

**Added by Completion of MDE Approved
Math & Science Partnerships**

Added to Elementary or Special Education licenses only:

901 or 905	Math 7-8
904 or 908	Science 7-8

**Career Technical Education Endorsements Added by
Completion of CTE Training at Mississippi State University
Research and Curriculum Unit (RCU)**

(See Appendix E for list)

**Advanced Placement Endorsements added by Completion of
College Board Approved AP Training**

(see Appendix E for list)

program of specific coursework hours. The Commission approved this proposal at the September 7, 2012 meeting.

Recommendation: Approval

Back-up material attached

**MDE Certification Commission Sub-Committee Meeting
Initial Recommendations for Adding Math as a Supplemental Endorsement
to a Standard Three or Five Year License**

A sub-committee was formed, as directed by the Commission on Teacher and Administrator Education, Certification and Licensure and Development (“the Commission”), to review how the math endorsement is currently added to standard three and five year licenses. The sub-committee was formed as a result of a discussion item brought to the Commission by the MS Association of Math Teachers on January 7, 2011. The Commission requested that the subcommittee take the information under advisement and bring back a recommendation to the Commission.

The first, official subcommittee meeting was held at MDE on May 4, 2012, at 12:00 p.m. in Room 102. The following MDE staff members attended the meeting: Cindy Coon, Director, Educator Licensure; Trecina Green, Associate Superintendent, Instructional Enhancement; Nathan Oakley, Director, Curriculum and Instruction; and Amy Daniel, Licensure Analyst, Educator Licensure. Outside stakeholders attending the meeting included: Dr. Julie James, Professional Development Coordinator, UM – Center for Mathematics and Science Education; Dr. Alice Steimle, Associate Director, UM - Center for Mathematics and Science Education; and Dr. Donna Diaz, Instructional Math Coach, Biloxi Public Schools. Dr. Pamela Manners and Ms. Kelly Fullers, who serve on the Commission were scheduled to attend the meeting, but due to a licensure hearing that took longer than anticipated, were unable to attend. Dr. Janice Nicholson, also on the Commission and serving on the subcommittee, was unable to attend.

The sub-committee agreed that the requirements for obtaining math licensure must be reviewed to determine if math teachers are prepared to teach MS students the high level of rigor demanded by the Common Core Standards. The following recommendations are currently being considered by the sub-committee to bring back to the Commission for consideration at the July 6, 2012, meeting. The sub-committee discussed that Dr. James and Dr. Steimle will share these recommendations at the next Mississippi Association of Mathematics Teacher Educators (MAMTE) meeting on 5/14/12 to get MAMTE’s feedback. Dr. James and Dr. Steimle will also seek another MAMTE representative to join the Commission sub-committee. The current recommendations from the first meeting include the following options:

1. Remove the Math grades 7-12 license (endorsement code 154) as a supplemental endorsement that can be added with 21 hours. The endorsement, instead, would be moved to an “approved program.” This means that coursework for adding the 154 endorsement would be submitted by each IHL that wanted to offer a program for adding the endorsement. The program would have to be approved by the Commission and the State Board of Education.
2. Maintain the Math grades 7-12 license (endorsement code 154) as a supplemental endorsement that can be added with 21 hours, but require that the 21 hours be comprised of upper level courses, including Calculus. This means that the MDE would require specific math courses for adding the endorsement.

3. Change the current practice in the Licensure Office that allows the Math grades 7-12 license (endorsement code 154) to be added to an elementary education major's license with 21 hours by counting 3-6 hours of pedagogy math coursework and 15-18 hours of Math content coursework. Instead, only allow the Middle grades 7-8 license (endorsement code 901) to be added to an elementary education major's license. This practice actually reflects the intent of Standard 6 of *Teacher Education Process and Performance Standards*.
4. Though not recommended by this sub-committee, it was noted at the meeting that Praxis cut scores for Praxis I Math, as well as Praxis II tests for Middle Grade Math and Math for 7-12th grades, have all been approved (at the May 4, 2012, meeting) by the Commission to increase cut scores. The recommendation will now move forward the State Board of Education for approval.