

NOTICE OF INTENT

Board of Elementary and Secondary Education

Bulletin 746—Louisiana Standards for State Certification of School Personnel—PRAXIS Scores, Endorsements,
and Certification—Mathematics
(LAC 28:CXXXI.203, 348, and 648)

Under the authority granted in R.S. 17:6 and in accordance with R.S. 49:950 et seq., the Administrative Procedure Act, notice is hereby given that the Board of Elementary and Secondary Education proposes to amend *Bulletin 746—Louisiana Standards for State Certification of School Personnel*. The proposed amendments are related to PRAXIS scores, endorsements, and certification in the area of mathematics, requiring applicants to pass the middle school mathematics PRAXIS (5169) and the algebra I content exam (5162). Applicants will be required to hold a level 1 or higher certificate. These amendments allow candidates holding a "math for professionals" certificate to teach full- or part-time.

**Title 28
EDUCATION**

Part CXXXI. Bulletin 746—Louisiana Standards for State Certification of School Personnel

Chapter 2. Initial Teacher Certification

Subchapter B. Testing Required for Certification Areas

**§203. PRAXIS Exams and Scores
(Formerly §243)**

A. - B. ...

* * *

C. Certification Areas

1. Grades 6-12 Certification

Grades 6-12 Certification Areas					
Certification Area	Name of PRAXIS Test	Score			PET 7-12
Agriculture	Agriculture (0700) Prior to 6/8/14	510	---	---	157
	Agriculture (5701) Effective 6/8/14	147			
Algebra I	Algebra I (5162) Effective 8/14/18	157			
	Middle School Mathematics (5169)	165			

* * *

C.2. - D. ...

* * *

E. Administrative and Instructional Support Areas

Certification Area	Name of PRAXIS Test	Area Test Score
Educational Leader Level 1	School Leaders Licensure Assessment (1011 or 6011)	166
	School Leaders Licensure Assessment (6990)	151
	Effective 9/1/2019	(Effective 9/1/2019)

* * *

All Praxis scores used for certification must be sent directly from ETS to the state Department of Education electronically, or the original PRAXIS score report from ETS must be submitted with the candidate's application.

AUTHORITY NOTE: Promulgated in accordance with R.S. 17:6(A)(10), (11), and (15), 17:7(6), 17:10, 17:22(6), 17:391.1-391.10, and 17:411.

HISTORICAL NOTE: Promulgated by the Board of Elementary and Secondary Education, LR 32:1833 (October 2006), amended LR 36:485 and 488 (March 2010), LR 36:2265 (October 2010), LR 37:551 (February 2011), repromulgated LR 37:556 (February 2011), amended LR 37:3210 (November 2011), LR 39:1461 (June 2013), LR 40:277 (February 2014), LR 40:1680 (September 2014), LR 41:645 (April 2015), LR 41:916 (May 2015), LR 42:233 (February 2016), LR 43:1292 (July 2017), LR 44:264 (February 2018), LR 45:

Chapter 3. Teaching Authorizations and Certifications

Subchapter C. Ancillary Teaching Certificates

§348. Math for Professionals Certificate

A. ...

B. Math for professionals certificate is valid for three years initially and allows an individual to teach one or more mathematics courses.

1. - 3. ...

AUTHORITY NOTE: Promulgated in accordance with R.S. 17:6(A)(10), (11), and (15), 17:7(6), 17:10, 17:22(6), 17:391.1-391.10, and 17:411.

HISTORICAL NOTE: Promulgated by the Board of Elementary and Secondary Education, LR 35:220 (February 2009), amended LR 39:1463 (June 2013), LR 40:281 (February 2014), LR 45:

Chapter 6. Endorsements to Existing Certificates

Subchapter C. All Other Teaching Endorsement Areas

§648. Algebra I

A. Eligibility requirements:

1. valid level 1 Louisiana teaching certificate or higher;
2. pass the PRAXIS middle school mathematics exam (5169);
3. pass the algebra I PRAXIS exam (5162).

AUTHORITY NOTE: Promulgated in accordance with R.S. 17:6(A)(10), (11), and (15), 17:7(6), 17:10, 17:22(6), 17:391.1-391.10, and 17:411.

HISTORICAL NOTE: Promulgated by the Board of Elementary and Secondary Education, LR 34:1386 (July 2008), amended LR 39:1465 (June 2013), LR 40:281 (February 2014), LR 45:

COMPARISON DOCUMENT

TITLE 28

EDUCATION

**Part CXXXI. Bulletin 746—Louisiana Standards for
State Certification of School Personnel**

Chapter 2. Initial Teacher Certification

Subchapter B. Testing Required for Certification Areas

§203. PRAXIS Exams and Scores
(Formerly §243)

A. – B.

...

C. Certification Areas

1. Grades 6-12 Certification

Grades 6-12 Certification Areas					
		Score			PLT7-12
Agriculture	Agriculture (0700) Prior to 6/8/14	510	---	---	157
	Agriculture (5701) Effective 6/8/14	147			
Algebra I	Algebra I (5162) Effective 8/14/18	157			
	Middle School Mathematics (5169)	165			
Biology	Biology: Content Knowledge (0235 or 5235)	150	---	---	157
Business	Business Education: Content Knowledge (0101 or 5101)	154	---	---	157
Chemistry	Chemistry: Content Knowledge (0245 or 5245)	151			157
Chinese	Chinese (Mandarin): World Language (5665)	164	PLT7-12 (Score 157) until 6/30/13; After 6/30/13 World Languages Pedagogy 0841 (Score 158)		
English	English Language, Literature, and Composition: Content Knowledge (0041 or 5041) Pedagogy (0043) Prior to 1/1/14	160 130	---	---	157
	English Language Arts: Content and Analysis (5039) Effective 1/1/14	168			
Family and Consumer Sciences	Family and Consumer Sciences (0121 or 5121) Prior to 6/8/14	141	---	---	157
	Family and Consumer Sciences (5122) Effective 6/8/14	153			
French	French: World Language (5174)	157	PLT7-12 (Score 157) until 6/30/13; After 6/30/13 World Languages Pedagogy 0841 (Score 158)		
General Science	General Science: Content Knowledge (0435 or 5435)	156	---	---	157
German	German: World Language (5183)	157	PLT7-12 (Score 157) until 6/30/13; After 6/30/13 World Languages Pedagogy 0841 (Score 158)		
Mathematics	Mathematics: Content Knowledge (0061 or 5061) Effective 6/1/10-12/31/13	135	---	---	157
	Mathematics: Content Knowledge (5161) Effective 1/1/14	160			
Physics	Physics: Content Knowledge (0265 or 5265)	141			157
Social Studies	Social Studies: Content and Interpretation (0086 or 5086)	160	---	---	157
Spanish	Spanish: World Language (5195)	157	PLT7-12 (Score 157) until 6/30/13; After 6/30/13 World languages Pedagogy 0841 (Score 158)		
Speech	Speech Communications (0221 or 5221)	146	---	---	157
Technology Education	Technology Education (0051 or 5051)	159	---	---	157
Computer Science Earth Science Environmental Science Journalism Latin Marketing	At this time, a content area exam is not required for certification in Louisiana.	---	---	---	157

C.2. – D. ...

E. Administrative and Instructional Support Areas

Certification Area	Name of Praxis Test	Area Test Score
Educational Leader—Level 1	School Leaders Licensure Assessment (1011 or 6011)	166
	Effective 9/1/2019 School Leaders Licensure Assessment (6990)	151 (Effective 9/1/2019)
Educational Leader—Level 3	School Superintendent Assessment (6021)	160
Guidance Counselor K-12	Professional School Counselor (0421 or 5421)	156
School Librarian	Library Media Specialist (0311 or 5311)	136

All Praxis scores used for certification must be sent directly from ETS to the State Department of Education electronically, or the original Praxis score report from ETS must be submitted with candidate's application.

AUTHORITY NOTE: Promulgated in accordance with R.S. 17:6(A)(10), (11), and (15), R.S. 17:7(6), R.S. 17:10, R.S. 17:22(6), R.S. 17:391.1-391.10, and R.S. 17:411.

HISTORICAL NOTE: Promulgated by the Board of Elementary and Secondary Education, LR 32:1833 (October 2006), amended LR 36:485 and 488 (March 2010), LR 36:2265 (October 2010), LR 37:551 (February 2011), repromulgated LR 37:556 (February 2011), amended LR 37:3210 (November 2011), LR 39:1461 (June 2013), LR 40:277 (February 2014), LR 40:1680 (September 2014), LR 41:645 (April 2015), LR 41:916 (May 2015), LR 42:233 (February 2016), LR 43:1292 (July 2017), LR 44:264 (February 2018), LR 44:

Chapter 3. Teaching Authorizations and Certifications

Subchapter C. Ancillary Teaching Certificates

§348. Math for Professionals Certificate

A. ...

B. Math for Professionals certificate is valid for ~~one~~ three years initially and allows an individual to teach one or more mathematics courses ~~on a part-time basis~~.

B.1. - B.3.

...

AUTHORITY NOTE: Promulgated in accordance with R.S. 17:6(A)(10), (11), and (15), R.S. 17:7(6), R.S. 17:10, R.S. 17:22(6), R.S. 17:391.1-391.10, and R.S. 17:411.

HISTORICAL NOTE: Promulgated by the Board of Elementary and Secondary Education, LR 35:220 (February 2009), amended LR 39:1463 (June 2013), LR 40:281 (February 2014), LR 44:.

Chapter 6. Endorsements to Existing Certificates

§648. Algebra I

A. Eligibility Requirements

1. Valid Level 1 Type B or Level 2 Louisiana teaching certificate or higher (requires 3 years of teaching experience).

2. ~~Complete the following professional development programs:~~

a. ~~Algebra I Awareness workshop;~~

b. ~~Topics for Algebra Leaders and Instructors (TALI) workshop (face-to-face or online); and~~

c. ~~Algebra I online modules (the entire series) or an approved college-level mathematics course(s) addressing the same content covered in the Algebra I online modules.~~

23. Pass the Praxis Middle School Mathematics exam (5169).

34. Pass the Praxis Principles of Learning and Teaching (PLT) 7-12 exam (0624 or 5624) or a college-level course addressing the same content covered on the Praxis exam. Pass the Algebra I Praxis exam (5162)

AUTHORITY NOTE: Promulgated in accordance with R.S. 17:6(A)(10), (11), and (15), R.S. 17:7(6), R.S. 17:10, R.S. 17:22(6), R.S. 17:391.1-391.10, and R.S. 17:411.

HISTORICAL NOTE: Promulgated by the Board of Elementary and Secondary Education, LR 34:1386 (July 2008), amended LR 39:1465 (June 2013), LR 40:281 (February 2014), LR 44:.

**STATE BOARD OF ELEMENTARY AND SECONDARY EDUCATION
FAMILY IMPACT STATEMENT
(LA R.S. 49:953 and 972)**

Person Preparing Statement: Ryan Gremillion
Phone: 225-342-1501
Division: Policy Office
Rule Title: Part CXXXI. Bulletin 746—Louisiana Standards for State Certification of Personnel

In accordance with Section 953 and 974 of Title 49 of the Louisiana Revised Statutes, there is hereby submitted a Family Impact Statement on the rule proposed for adoption, repeal or amendment. All Family Impact Statements shall be kept on file in the State Board Office which has adopted, amended, or repealed a rule in accordance with the applicable provisions of the law relating to public records.

PLEASE RESPOND TO THE FOLLOWING:

1. WILL THE PROPOSED RULE AFFECT THE STABILITY OF THE FAMILY?
 No
 Yes
 Lacks sufficient information to determine
2. WILL THE PROPOSED RULE AFFECT THE AUTHORITY AND RIGHTS OF PARENTS REGARDING THE EDUCATION AND SUPERVISION OF THEIR CHILDREN?
 No
 Yes
 Lacks sufficient information to determine.
3. WILL THE PROPOSED RULE AFFECT THE FUNCTIONING OF THE FAMILY?
 No
 Yes
 Lacks sufficient information to determine
4. WILL THE PROPOSED RULE AFFECT FAMILY EARNINGS AND FAMILY BUDGET?
 No
 Yes
 Lacks sufficient information to determine
5. WILL THE PROPOSED RULE AFFECT THE BEHAVIOR AND PERSONAL RESPONSIBILITY OF CHILDREN?
 No
 Yes
 Lacks sufficient information to determine
6. IS THE FAMILY OR A LOCAL GOVERNMENT ABLE TO PERFORM THE FUNCTION AS CONTAINED IN THE PROPOSED RULE?
 No
 Yes
 Lacks sufficient information to determine

Signature of Contact Person: *Ryan Gremillion*
Date Submitted: 11/7/18

**STATE BOARD OF ELEMENTARY AND SECONDARY EDUCATION
POVERTY IMPACT STATEMENT
(LA R.S. 49:973)**

Person Preparing Statement: Ryan Gremillion

Phone: 225-342-1501

Division: Policy Office

Rule Title: Part CXXXI. Bulletin 746—Louisiana Standards for State Certification of Personnel

In accordance with Section 973 of Title 49 of the Louisiana Revised Statutes, there is hereby submitted a Poverty Impact Statement on the rule proposed for adoption, amendment, or repeal. All Poverty Impact Statements shall be in writing and kept on file in the state agency which has adopted, amended, or repealed a rule in accordance with the applicable provisions of the law relating to public records. For the purposes of this Section, the word "poverty" means living at or below one hundred percent of the federal poverty line.

PLEASE RESPOND TO THE FOLLOWING:

1. WILL THE PROPOSED RULE AFFECT THE HOUSEHOLD INCOME, ASSETS, AND FINANCIAL SECURITY?
 No
 Yes
 Lacks sufficient information to determine
2. WILL THE PROPOSED RULE AFFECT EARLY CHILDHOOD DEVELOPMENT AND PRESCHOOL THROUGH POSTSECONDARY EDUCATION DEVELOPMENT?
 No
 Yes
 Lacks sufficient information to determine
3. WILL THE PROPOSED RULE AFFECT EMPLOYMENT AND WORKFORCE DEVELOPMENT?
 No
 Yes
 Lacks sufficient information to determine
4. WILL THE PROPOSED RULE AFFECT TAXES AND TAX CREDITS?
 No
 Yes
 Lacks sufficient information to determine
5. WILL THE PROPOSED RULE AFFECT CHILD AND DEPENDENT CARE, HOUSING, HEALTH CARE, NUTRITION, TRANSPORTATION, AND UTILITIES ASSISTANCE?
 No
 Yes
 Lacks sufficient information to determine

Signature of Contact Person: Ryan Gremillion

Date Submitted: 11/7/17

Small Business Statement

The impact of the proposed Rule on small businesses as defined in the Regulatory Flexibility Act has been considered. It is estimated that the proposed action is not expected to have a significant adverse impact on small businesses. The agency, consistent with health, safety, environmental and economic welfare factors has considered and, where possible, utilized regulatory methods in the drafting of the proposed rule that will accomplish the objectives of applicable statutes while minimizing the adverse impact of the proposed rule on small businesses.

Provider Impact Statement

The proposed Rule should not have any known or foreseeable impact on providers as defined by HCR 170 of 2014 Regular Legislative Session. In particular, there should be no known or foreseeable effect on:

1. the effect on the staffing level requirements or qualifications required to provide the same level of service;
2. the total direct and indirect effect on the cost to the providers to provide the same level of service; or
3. the overall effect on the ability of the provider to provide the same level of service.

Public Comments

Interested persons may submit written comments via the U.S. Mail until noon, December 9, 2018, to Shan N. Davis, Executive Director, Board of Elementary and Secondary Education, Box 94064, Capitol Station, Baton Rouge, LA 70804-9064. Written comments may also be hand delivered to Shan Davis, Executive Director, Board of Elementary and Secondary Education, Suite 5-190, 1201 North Third Street, Baton Rouge, LA 70802 and must be date stamped by the BESE office on the date received. Public comments must be dated and include the original signature of the person submitting the comments.

Shan N. Davis
Executive Director

FISCAL AND ECONOMIC IMPACT STATEMENT
FOR ADMINISTRATIVE RULES

Person
Preparing

Statement: Ryan Gremillion

Dept.: LA Department of Education
Board of Elementary &
Secondary Education

Phone: (225) 342-1501

Office: Policy

Return

Address: P. O. Box 94064
Baton Rouge, LA

Rule

Title: Part CXXXI. Bulletin 746—Louisiana
Standards for State Certification of
Personnel

Date Rule

Takes Effect: Upon final promulgation

SUMMARY

In accordance with Section 953 of Title 49 of the Louisiana Revised Statutes, there is hereby submitted a fiscal and economic impact statement on the rule proposed for adoption, repeal or amendment. THE FOLLOWING STATEMENTS SUMMARIZE ATTACHED WORKSHEETS, I THROUGH IV AND WILL BE PUBLISHED IN THE LOUISIANA REGISTER WITH THE PROPOSED AGENCY RULE.

I. ESTIMATED IMPLEMENTATION COSTS (SAVINGS) TO STATE OR LOCAL GOVERNMENTAL UNITS
(Summary)

The fiscal implications for local school districts related to the proposed teacher certification changes are indeterminable. A "Math for Professionals" certificate will now be valid for three years instead of one and further allows teachers to teach on a full-time rather than a part-time only basis. The extent to whether this results in a potential cost savings or cost increase for a district is indeterminable and will likely vary across the districts.

II. ESTIMATED EFFECT ON REVENUE COLLECTIONS OF STATE OR LOCAL GOVERNMENTAL UNITS
(Summary)

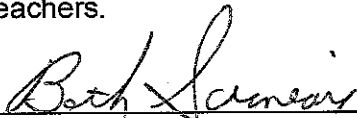
There are no estimated impacts on revenue collections as a result of the proposed policy revisions.

III. ESTIMATED COSTS AND/OR ECONOMIC BENEFITS TO DIRECTLY AFFECTED PERSONS OR NON-GOVERNMENTAL GROUPS (Summary)

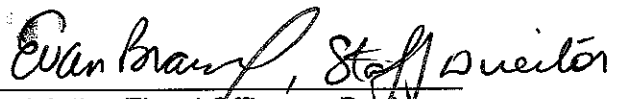
Teachers who seek the ancillary teaching certification for math and endorsement to the existing Algebra 1 certificate will benefit from the revised eligibility requirements. Teachers will now be certified for three years instead of one and will be able to teach on a full-time basis rather than only part time. Changes in the Algebra I endorsement may result in a reduction in costs for some due to the repeal of professional development program requirements, and an increase for others who will now be required to take the Praxis exam (with a fee of \$120) rather than demonstrate college level coursework.

IV. ESTIMATED EFFECT ON COMPETITION AND EMPLOYMENT (Summary)

The new requirements may result in an increase in the number of teachers qualified for and competing for positions, however, due to the shortage of qualified math instructors this is not likely to have a material impact on competition, rather represents increased employment opportunities for these teachers.



Signature of Agency Head or Designee



Legislative Fiscal Officer or Designee

Beth Scioneaux, Deputy Superintendent for Management and Finance

Typed Name and Title of Agency Head or Designee

11/7/18

Date of Signature

11/7/18

Date of Signature

LFO 10/04

FISCAL AND ECONOMIC IMPACT STATEMENT
FOR ADMINISTRATIVE RULES

The following information is required in order to assist the Legislative Fiscal Office in its review of the fiscal and economic impact statement and to assist the appropriate legislative oversight subcommittee in its deliberation on the proposed rule.

- A. Provide a brief summary of the content of the rule (if proposed for adoption, or repeal) or a brief summary of the change in the rule (if proposed for amendment). Attach a copy of the notice of intent and a copy of the rule proposed for initial adoption or repeal (or, in the case of a rule change, copies of both the current and proposed rules with amended portions indicated).

The proposed revisions require applicants to pass the Middle School Mathematics PRAXIS (5169) and the Algebra I Content exam (5162); require applicants to hold a Level 1 or higher certificate; and; charge the Department with studying the impact of this policy change and report findings to BESE in January 2020.

The proposed revisions also allow Math for Professional certificate candidates to teach full-time or part-time.

- B. Summarize the circumstances that require this action. If the Action is required by federal regulation, attach a copy of the applicable regulation.

Educational Testing Services (ETS) has released an updated version of the Praxis exam for school leaders, the School Leaders Licensure Assessment (6990). This exam will be available effective September 1, 2019, and will replace the current School Leaders Licensure Assessment (6011). The 6011 exam will no longer be offered effective August 31, 2019. The key changes to the new 6990 exam include: reducing the number of constructive response items from 7 to 4; increasing time to take the new test from 120 minutes to 165 minutes; adding Climate and Cultural Leadership section with 22 questions; and removing the Education System section. ETS conducted a multi state standard-setting study in January 2018.

In December 2017, the Louisiana State Association of School Personnel Administrators (LSASPA) submitted recommendations to the Board of Elementary and Secondary Education (BESE) and to the Louisiana Department of Education (LDE) regarding policy shifts to address teacher workforce needs.

In June 2018, BESE approved certification policy updates that addressed certain policy recommendations. Following the meeting, representatives from BESE, LSASPA, the Louisiana Association of School Superintendents (LASS), and the Louisiana Association of Colleges of Teacher Education (LACTE) met to review the LSASPA recommendations relative to mathematics. The proposed revisions reflect those recommendations.

- C. Compliance with Act 11 of the 1986 First Extraordinary Session.

1. Will the proposed rule change result in any increase in the expenditure of funds? If so, specify amount and source of funding.

No

2. If the answer to (1) above is yes, has the Legislature specifically appropriated the funds necessary for the associated expenditure increase?

(a) _____ Yes. If yes, attach documentation.

(b) _____ NO. If no, provide justification as to why this rule change should be published at this time.

WORKSHEET

I. A. COSTS OR SAVINGS TO STATE AGENCIES RESULTING FROM THE ACTION PROPOSED

1. What is the anticipated increase (decrease) in costs to implement the proposed action?

COSTS	FY18-19	FY19-20	FY20-21
PERSONAL SERVICES			
OPERATING EXPENSES	-0-	-0-	-0-
PROFESSIONAL SERVICES			
OTHER CHARGES			
EQUIPMENT			
<u>MAJOR REPAIR & CONSTR.</u>			
<u>POSITIONS (#)</u>			
TOTAL	-0-	-0-	-0-

2. Provide a narrative explanation of the costs or savings shown in "A. 1.", including the increase or reduction in workload or additional paperwork (number of new forms, additional documentation, etc.) anticipated as a result of the implementation of the proposed action. Describe all data, assumptions, and methods used in calculating these costs.

3. Sources of funding for implementing the proposed rule or rule change.

SOURCE	FY18-19	FY19-20	FY20-21
STATE GENERAL FUND	-0-	-0-	-0-
AGENCY SELF-GENERATED	-0-	-0-	-0-
DEDICATED			
FEDERAL FUNDS	-0-	-0-	-0-
OTHER (Specify)			
TOTAL	-0-	-0-	-0-

4. Does your agency currently have sufficient funds to implement the proposed action? If not, how and when do you anticipate obtaining such funds?

Yes.

B. COST OR SAVINGS TO LOCAL GOVERNMENTAL UNITS RESULTING FROM THE ACTION PROPOSED

1. Provide an estimate of the anticipated impact of the proposed action on local governmental units, including adjustments in workload and paperwork requirements. Describe all data, assumptions and methods used in calculating this impact.

The fiscal implications for local school districts related to the proposed teacher certification changes are indeterminable. A "Math for Professionals" certificate will now be valid for three years instead of one and will allow a teacher to teach on a full-time rather than a part-time only basis. The extent to whether this results in a potential cost savings or cost increase for a district is indeterminable and will likely vary across the districts.

2. Indicate the sources of funding of the local governmental unit that will be affected by these costs or savings.

Local school districts' operating budgets utilize state funding, MFP funds, local revenues, and federal funds.

FISCAL AND ECONOMIC IMPACT STATEMENT

WORKSHEET

II. EFFECT ON REVENUE COLLECTIONS OF STATE AND LOCAL GOVERNMENTAL UNITS

A. What increase (decrease) in revenues can be anticipated from the proposed action?

The proposed revisions will not impact revenue collections of state and local governmental units.

REVENUE INCREASE/DECREASE	FY18-19	FY19-20	FY20-21
STATE GENERAL FUND	-0-	-0-	-0-
AGENCY SELF GENERATED			
RESTRICTED FUNDS*			
FEDERAL FUNDS			
LOCAL FUNDS			
TOTAL	-0-	-0-	-0-

*Specify the particular fund being impacted.

B. Provide a narrative explanation of each increase or decrease in revenues shown in "A." Describe all data, assumptions, and methods used in calculating these increases or decreases.

See above.

FISCAL AND ECONOMIC IMPACT STATEMENT

WORKSHEET

III. COSTS AND/OR ECONOMIC BENEFITS TO DIRECTLY AFFECTED PERSONS OR NON-GOVERNMENTAL GROUPS

- A. What persons or non-governmental groups would be directly affected by the proposed action? For each, provide an estimate and a narrative description of any effect on costs, including workload adjustments and additional paperwork (number of new forms, additional documentation, etc.), they may have to incur as a result of the proposed action.

Teachers who seek the ancillary teaching certification for math and endorsement to the existing Algebra 1 certificate will benefit from the revised eligibility requirements. Teachers will now be able to teach on a full-time basis rather than only part time. Changes in the Algebra I endorsement may result in a reduction in costs for some due to the repeal of professional development program requirements, and an increase for others who will now be required to take the Praxis exam (with a fee of \$120) rather than demonstrate college level coursework.

- B. Also provide an estimate and a narrative description of any impact on receipts and/or income resulting from this rule or rule change to these groups.

The potential impact is indeterminable at this time.

IV. EFFECTS ON COMPETITION AND EMPLOYMENT

Identify and provide estimates of the impact of the proposed action on competition and employment in the public and private sectors. Include a summary of any data, assumptions and methods used in making these estimates.

The new requirements may result in an increase in the number of teachers qualified for and competing for positions, however, due to the shortage of qualified math instructors this is not likely to have a material impact on competition, rather represents increased employment opportunities for these teachers.