

110TH CONGRESS
1ST SESSION

H. R. 3313

To amend provisions of the Elementary and Secondary Education Act of 1965 relating to mathematics and science instruction.

IN THE HOUSE OF REPRESENTATIVES

AUGUST 2, 2007

Mr. EHLERS (for himself, Mr. BARTLETT of Maryland, Mr. DAVID DAVIS of Tennessee, and Mr. LAMPSON) introduced the following bill; which was referred to the Committee on Education and Labor

A BILL

To amend provisions of the Elementary and Secondary Education Act of 1965 relating to mathematics and science instruction.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Improving Mathe-
5 matics and Science Teacher Quality Act”.

1 **SEC. 2. PARTNERSHIPS FOR MATHEMATICS AND SCIENCE**
 2 **TEACHER QUALITY IMPROVEMENT.**

3 (a) SUBPART HEADING.—The heading for part B of
 4 title II of the Elementary and Secondary Education Act
 5 of 1965 is amended to read as follows:

6 “PART B—PARTNERSHIPS FOR MATHEMATICS AND
 7 SCIENCE TEACHER QUALITY IMPROVEMENT”.

8 (b) PURPOSE; DEFINITIONS.—

9 (1) PURPOSE.—Subsection (a) of section 2201
 10 such Act (20 U.S.C. 2201(a)) is amended—

11 (A) in the matter preceding paragraph (1),
 12 by inserting “businesses, informal science edu-
 13 cation centers,” after “higher education,”;

14 (B) in paragraph (3), by inserting “and in-
 15 formal science education centers” after “higher
 16 education”;

17 (C) at the end of paragraph (4), by strik-
 18 ing “and”;

19 (D) at the end of paragraph (5), by strik-
 20 ing the period and inserting “; and”; and

21 (E) by adding at the end the following:

22 “(6) replicate and apply the effectiveness of
 23 model mathematics and science professional develop-
 24 ment programs on a broader level.”.

25 (2) DEFINITIONS.—Subsection (b) of such sec-
 26 tion is amended—

1 (A) in paragraph (1)(A)—

2 (i) in clause (ii), by striking “and” at
3 the end;

4 (ii) by striking clause (i) and redesign-
5 nating clause (ii) as clause (i);

6 (iii) by inserting after clause (i) (as so
7 redesignated) the following:

8 “(ii) a teacher training department of
9 an institution of higher education; and”.

10 (B) in paragraph (1)(B)(i), by striking
11 “science, or teacher training” and inserting “or
12 science”;

13 (C) in paragraph (1)(B)(iii), before the
14 semicolon insert “or a consortium of busi-
15 nesses”;

16 (D) in paragraph (1)(B)(iv), after “organi-
17 zation” insert “, including an informal science
18 education center,”; and

19 (E) by adding at the end the following:

20 “(3) MATHEMATICS AND SCIENCE TEACHER.—

21 The term ‘mathematics and science teacher’ means
22 a mathematics, science, or technology teacher at the
23 elementary school or secondary school level.

1 “(4) SCIENCE.—The term ‘science’, in the con-
 2 text of elementary and secondary education, includes
 3 technology and pre-engineering.”.

4 **SEC. 3. GRANTS FOR PARTNERSHIPS FOR MATHEMATICS**
 5 **AND SCIENCE TEACHER QUALITY IMPROVE-**
 6 **MENT.**

7 (a) SECTION HEADING.—The section heading for
 8 section 2202 of the Elementary and Secondary Education
 9 Act of 1965 (20 U.S.C. 6662) is amended to read as fol-
 10 lows:

11 **“SEC. 2202 GRANTS FOR PARTNERSHIPS FOR MATHE-**
 12 **MATICS AND SCIENCE TEACHER QUALITY IM-**
 13 **PROVEMENT.”.**

14 (b) GRANTS.—Subsection (a) of such section is
 15 amended—

16 (1) by striking paragraph (1) and redesignating
 17 paragraphs (2), (3), and (4) as paragraphs (1), (2),
 18 and (3), respectively; and

19 (2) in paragraph (1) (as so redesignated)—

20 (A) by amending subparagraph (A) to read
 21 as follows:

22 “(A) IN GENERAL.—The Secretary is au-
 23 thorized to award grants to State educational
 24 agencies to enable such agencies to award sub-
 25 grants, on a competitive basis, to eligible part-

1 nerships to carry out the authorized activities
2 described in subsection (d).”; and

3 (B) by striking “subparagraph (A)(i)” in
4 subparagraph (B) and inserting “subsection
5 (f)(3)”.

6 (c) APPLICATION REQUIREMENTS.—Subsection (b)
7 of such section is amended—

8 (1) by amending paragraph (1) to read as fol-
9 lows:

10 “(1) IN GENERAL.—Each eligible partnership
11 desiring a subgrant under this part shall submit an
12 application to the State educational agency, at such
13 time, in such manner, and accompanied by such in-
14 formation as the State educational agency may re-
15 quire.”;

16 (2) by amending paragraph (2)(C) to read as
17 follows:

18 “(C) a description of how the activities to
19 be carried out by the eligible partnership will be
20 based on a review of scientifically based re-
21 search or modeled after programs identified by
22 the Secretary, in consultation with the Director
23 of the National Science Foundation, to be rep-
24 licated on a more expansive basis, and an expla-
25 nation of how the activities are expected to im-

1 prove student academic achievement and
 2 strengthen the quality of mathematics and
 3 science instruction;” and

4 (3) in paragraph (2)(D)—

5 (A) by striking “subsection (c)” in clause
 6 (i) and inserting “subsection (d)”; and

7 (B) by striking “subsection (e)” in clause
 8 (ii) and inserting “subsection (f)”.

9 (d) PRIORITY.—Such section 2202 is amended by re-
 10 designating subsections (c), (d), (e), and (f) as subsections
 11 (d), (e), (f), and (g), respectively, and by inserting after
 12 subsection (b) the following new subsection:

13 “(c) PRIORITY.—In awarding grants under this part,
 14 a State educational agency shall give priority to eligible
 15 partnerships that carry out activities modeled after pro-
 16 grams identified by the Secretary, in consultation and co-
 17 ordination with the Director of the National Science Foun-
 18 dation, to be replicated on a more expansive basis.”.

19 (e) AUTHORIZED ACTIVITIES.—Subsection (d) of
 20 such section (as so redesignated) is amended—

21 (1) by inserting before the period at the end of
 22 paragraph (1) the following: “, including activities to
 23 replicate model math and science professional devel-
 24 opment programs”;

1 (2) by striking paragraphs (4), (5), and (10)
2 and redesignating paragraphs (6), (7), (8), and (9)
3 as paragraphs (4), (5), (6), and (7), respectively;
4 and

5 (3) in paragraph (5) (as so redesignated), by
6 inserting “, such as an exemplary teacher (as de-
7 fined in section 9109) or a building leader” after
8 “teacher”.

9 (f) NATIONAL SCIENCE FOUNDATION.—Subsection
10 (e)(2) of such section (as so redesignated) is amended to
11 read as follows:

12 “(2) NATIONAL SCIENCE FOUNDATION.—In
13 carrying out the activities authorized by this part,
14 the Secretary shall—

15 “(A) consult and coordinate with the Di-
16 rector of the National Science Foundation, par-
17 ticularly with respect to the appropriate roles
18 for the Department and the Foundation in the
19 conduct of summer workshops, institutes, or
20 partnerships to improve mathematics and
21 science teaching in elementary schools and sec-
22 ondary schools;

23 “(B) collaborate with the Director of the
24 National Science Foundation to make widely
25 available, including through dissemination on

the Internet and to all State educational agencies and other recipients of funds under this part, information on model programs identified by the Director of the National Science Foundation to be replicated on a more expansive basis; and

“(C) in collaboration with the Director of the National Science Foundation, hold an annual summit with partnership grantees from this part and from the National Science Foundation’s Mathematics and Science Partnership program to review the progress and results of awarded grants.”.

(g) EVALUATION AND ACCOUNTABILITY PLAN.—

Subsection (f) of such section (as so redesignated) is amended—

(1) in paragraph (1), by striking “an evaluation” and inserting “a scientifically valid and rigorous evaluation”; and

(2) by adding at the end the following:

“(3) TRAINING AND TECHNICAL ASSISTANCE.—

The Secretary shall reserve one-half of one percent of the funding authorized under this part to provide training and technical assistance to eligible partnerships in conducting a scientifically valid and rigorous

1 evaluation to measure the impact of activities funded
2 under this part.”.

3 (h) REPORT.—Subsection (g) of such section (as so
4 redesignated) is amended—

5 (1) by striking “subsection (e)” and inserting
6 “subsection (f)”; and

7 (2) by adding at the end the following: “The
8 Secretary shall place this report on the Depart-
9 ment’s Web site.”.

10 **SEC. 4. AUTHORIZATION OF APPROPRIATIONS.**

11 (a) GRANTS TO STATES, LOCAL EDUCATIONAL
12 AGENCIES, AND ELIGIBLE PARTNERSHIPS.—Subsection
13 (a) of section 2103 of the Elementary and Secondary Edu-
14 cation Act of 1965 (20 U.S.C. 6603) is amended to read
15 as follows:

16 **“SEC. 2103. AUTHORIZATION OF APPROPRIATIONS.**

17 “(a) GRANTS TO STATES, LOCAL EDUCATIONAL
18 AGENCIES, AND ELIGIBLE PARTNERSHIPS.—

19 “(1) IN GENERAL.—There are authorized to be
20 appropriated to carry out this part (other than sub-
21 part 5) and part B such sums as may be necessary
22 for fiscal year 2008 and for each of the 5 succeeding
23 fiscal years.

24 “(2) RESERVATION.—From the funds appro-
25 priated under paragraph (1), the Secretary shall re-

1 serve not less than 15 nor more than 20 percent to
2 carry out part B.”.

3 (b) NATIONAL PROGRAMS.—Subsection (b) of such
4 section is amended by striking “2002” and inserting
5 “2008”.

6 (c) CONFORMING AMENDMENT.—Section 2203 of
7 such Act is repealed.

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