

111TH CONGRESS
1ST SESSION

H. R. 3950

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

IN THE HOUSE OF REPRESENTATIVES

OCTOBER 28, 2009

Mr. EHLERS (for himself, Ms. MATSUI, and Mr. BARTLETT) 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”.

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

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

1 “PART B—PARTNERSHIPS FOR MATHEMATICS AND
2 SCIENCE TEACHER QUALITY IMPROVEMENT”.

3 (b) PURPOSE; DEFINITIONS.—

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

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

9 (B) in paragraph (3), by inserting “and in-
10 formal science education centers” after “higher
11 education”;

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

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

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

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

20 (2) DEFINITIONS.—Subsection (b) of such sec-
21 tion is amended—

22 (A) in paragraph (1)(A)—

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

1 (ii) by striking clause (i) and redesignating clause (ii) as clause (i);

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

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

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

10 (C) in paragraph (1)(B)(iii), before the semicolon insert “or a consortium of businesses”;

13 (D) in paragraph (1)(B)(iv), after “organization” insert “, including an informal science education center,”; and

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

17 “(3) MATHEMATICS AND SCIENCE TEACHER.—
18 The term ‘mathematics and science teacher’ means
19 a mathematics, science, or technology teacher at the
20 elementary school or secondary school level.

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

1 **SEC. 3. GRANTS FOR PARTNERSHIPS FOR MATHEMATICS**
 2 **AND SCIENCE TEACHER QUALITY IMPROVE-**
 3 **MENT.**

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

8 **“SEC. 2202. GRANTS FOR PARTNERSHIPS FOR MATHE-**
 9 **MATICS AND SCIENCE TEACHER QUALITY IM-**
 10 **PROVEMENT.”.**

11 (b) GRANTS.—Subsection (a) of such section is
 12 amended—

13 (1) by striking paragraph (1) and redesignating
 14 paragraphs (2), (3), and (4) as paragraphs (1), (2),
 15 and (3), respectively; and

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

17 (A) by amending subparagraph (A) to read
 18 as follows:

19 “(A) IN GENERAL.—The Secretary is au-
 20 thorized to award grants to State educational
 21 agencies to enable such agencies to award sub-
 22 grants, on a competitive basis, to eligible part-
 23 nerships to carry out the authorized activities
 24 described in subsection (d).”; and

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

4 (c) APPLICATION REQUIREMENTS.—Subsection (b)
5 of such section is amended—

6 (1) by amending paragraph (1) to read as fol-
7 lows:

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

14 (2) by amending paragraph (2)(C) to read as
15 follows:

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

1 strengthen the quality of mathematics and
 2 science instruction;” and

3 (3) in paragraph (2)(D)—

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

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

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

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

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

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

24 (2) by striking paragraphs (4), (5), and (10)
 25 and redesignating paragraphs (6), (7), (8), and (9)

1 as paragraphs (4), (5), (6), and (7), respectively;
2 and

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

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

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

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

21 “(B) collaborate with the Director of the
22 National Science Foundation to make widely
23 available, including through dissemination on
24 the Internet and to all State educational agen-
25 cies and other recipients of funds under this

1 part, information on model programs identified
2 by the Director of the National Science Foun-
3 dation to be replicated on a more expansive
4 basis; and

5 “(C) in collaboration with the Director of
6 the National Science Foundation, hold an an-
7 nual summit with partnership grantees from
8 this part and from the National Science Foun-
9 dation’s Mathematics and Science Partnership
10 program to review the progress and results of
11 awarded grants.”.

12 (g) EVALUATION AND ACCOUNTABILITY PLAN.—
13 Subsection (f) of such section (as so redesignated) is
14 amended—

15 (1) in paragraph (1), by striking “an evalua-
16 tion” and inserting “a scientifically valid and rig-
17 orous evaluation”; and

18 (2) by adding at the end the following:

19 “(3) TRAINING AND TECHNICAL ASSISTANCE.—
20 The Secretary shall reserve one-half of one percent
21 of the funding authorized under this part to provide
22 training and technical assistance to eligible partner-
23 ships in conducting a scientifically valid and rigorous
24 evaluation to measure the impact of activities funded
25 under this part.”.

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

3 (1) by striking “subsection (e)” and inserting
4 “subsection (f)”; and

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

8 **SEC. 4. AUTHORIZATION OF APPROPRIATIONS.**

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

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

16 “(1) IN GENERAL.—There are authorized to be
17 appropriated to carry out this part (other than sub-
18 part 5) and part B such sums as may be necessary
19 for fiscal year 2010 and for each of the 5 succeeding
20 fiscal years.

21 “(2) RESERVATION.—From the funds appro-
22 priated under paragraph (1), the Secretary shall re-
23 serve not less than 15 nor more than 20 percent to
24 carry out part B.”.

1 (b) NATIONAL PROGRAMS.—Subsection (b) of such
2 section is amended by striking “2002” and inserting
3 “2010”.

4 (c) CONFORMING AMENDMENT.—Section 2203 of
5 such Act is repealed.

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