

of August 9, 2007, at any National Laboratory under any other provision of law.

(Pub. L. 101-510, div. C, title XXXI, § 3181, as added Pub. L. 110-69, title V, § 5003(d)(3), Aug. 9, 2007, 121 Stat. 607.)

SUBPART 4—SUMMER INSTITUTES

§ 7381n. Summer institutes

(a) Definitions

In this section:

(1) Eligible partner

The term “eligible partner” means—

(A) the science, engineering, or mathematics department at an institution of higher education, acting in coordination with a school, department, or program of education at an institution of higher education that provides training for teachers and principals; or

(B) a nonprofit entity with expertise in providing professional development for science, technology, engineering, or mathematics teachers.

(2) Summer institute

The term “summer institute” means an institute, operated during the summer, that—

(A) is hosted by a National Laboratory or an eligible partner;

(B) is operated for a period of not less than 2 weeks;

(C) includes, as a component, a program that provides direct interaction between students and faculty, including personnel of 1 or more National Laboratories who have scientific expertise;

(D) provides for follow-up training, during the academic year, that is conducted in the classroom; and

(E) provides hands-on science, technology, engineering, or mathematics laboratory experience for not less than 2 days.

(b) Summer institute programs authorized

(1) Programs at the National Laboratories

The Secretary, acting through the Director, shall establish or expand programs of summer institutes at each of the National Laboratories to provide additional training to strengthen the science, technology, engineering, and mathematics teaching skills of teachers employed at public schools for kindergarten through grade 12, in accordance with the activities authorized under paragraphs (3) and (4).

(2) Programs with eligible partners

(A) In general

The Secretary, acting through the Director, shall identify and provide assistance as described in subparagraph (C) to eligible partners to establish or expand programs of summer institutes that provide additional training to strengthen the science, technology, engineering, and mathematics teaching skills of teachers employed at public schools for kindergarten through grade 12, in accordance with paragraphs (3) and (4).

(B) Selection criteria

In identifying eligible partners under subparagraph (A), the Secretary shall require that partner institutions describe—

(i) how the partner institution has the capability to administer the program in accordance with this section, which may include a description of any existing programs at the institution of the applicant that are targeted at education of science and mathematics teachers and the number of teachers graduated annually from the programs; and

(ii) how the partner institution will assist the National Laboratory in carrying out the activities described in paragraphs (3) and (4).

(C) Assistance

Consistent with sections 7381b and 7381c of this title, the Director shall make available funds authorized under this section to carry out a program using scientific and engineering staff of the National Laboratories, during which the staff—

(i) assists in providing training to teachers at summer institutes; and

(ii) uses National Laboratory scientific equipment in the training.

(3) Required activities

Funds authorized under this section shall be used for—

(A) creating opportunities for enhanced and ongoing professional development for teachers that improves the science, technology, engineering, and mathematics content knowledge of the teachers;

(B) training to improve the ability of science, technology, engineering, and mathematics teachers to translate content knowledge and recent developments in pedagogy into classroom practice, including training to use curricula that are—

(i) based on scientific research; and

(ii) aligned with challenging State academic content standards;

(C) training on the use and integration of technology in the classrooms; and

(D) supplemental and follow-up professional development activities as described in subsection (a)(2)(D).

(4) Additional uses of funds

Funds authorized under this section may be used for—

(A) training and classroom materials to assist in carrying out paragraph (3);

(B) expenses associated with scientific and engineering staff at the National Laboratories assisting in providing training to teachers at summer institutes;

(C) instruction in the use and integration of data and assessments to inform and instruct classroom practice; and

(D) stipends and travel expenses for teachers participating in the program.

(c) Priority

To the maximum extent practicable, the Director shall ensure that each summer institute program authorized under subsection (b) provides training to—

- (1) teachers from a wide range of school districts;
- (2) teachers from high-need school districts; and
- (3) teachers from groups underrepresented in the fields of science, technology, engineering, and mathematics teaching, including women and members of minority groups.

(d) Coordination and consultation

The Director shall consult and coordinate with the Secretary of Education and the Director of the National Science Foundation regarding the implementation of the programs authorized under subsection (b).

(e) Evaluation and accountability plan**(1) In general**

The Director shall develop an evaluation and accountability plan for the activities funded under this section that measures the impact of the activities.

(2) Contents

The evaluation and accountability plan shall include—

- (A) measurable objectives to increase the number of science, technology, and mathematics teachers who participate in the summer institutes involved; and
- (B) measurable objectives for improved student academic achievement on State science, mathematics, and to the maximum extent applicable, technology and engineering assessments.

(3) Report to Congress

The Secretary shall submit to Congress with the annual budget submission of the Secretary a report on how the activities assisted under this section improve the science, technology, engineering, and mathematics teaching skills of participating teachers.

(f) Authorization of appropriations

There are authorized to be appropriated to carry out this section—

- (1) \$15,000,000 for fiscal year 2008;
- (2) \$20,000,000 for fiscal year 2009;
- (3) \$25,000,000 for fiscal year 2010; and
- (4) \$25,000,000 for each of fiscal years 2011 through 2013.

(Pub. L. 101-510, div. C, title XXXI, §3185, as added Pub. L. 110-69, title V, §5003(d)(3), Aug. 9, 2007, 121 Stat. 609; amended Pub. L. 111-358, title IX, §901(b), Jan. 4, 2011, 124 Stat. 4044.)

AMENDMENTS

2011—Subsec. (f)(4). Pub. L. 111-358 added par. (4).

SUBPART 5—[REPEALED]

AMENDMENTS

2011—Pub. L. 111-358, title IX, §901(c)(1), Jan. 4, 2011, 124 Stat. 4044, struck out heading for subpart 5 “NATIONAL ENERGY EDUCATION DEVELOPMENT”.

§ 7381p. Repealed. Pub. L. 111-358, title IX, § 901(a), Jan. 4, 2011, 124 Stat. 4044

Section, Pub. L. 101-510, div. C, title XXXI, §3191, as added Pub. L. 110-69, title V, §5003(d)(3), Aug. 9, 2007, 121 Stat. 611, related to national energy education development.

SUBPART 6—ADMINISTRATION

§ 7381r. Mentoring program**(a) In general**

As part of the programs established under subparts 3 and 4, the Director shall establish a program to recruit and provide mentors for women and underrepresented minorities who are interested in careers in science, engineering, and mathematics.

(b) Pairing

The program shall pair mentors with women and minorities who are in programs of study at specialty schools for science and mathematics, Centers of Excellence, and summer institutes established under subparts 3 and 4, respectively.

(c) Program evaluation

The Secretary shall annually—

- (1) use metrics to evaluate the success of the programs established under subsection (a); and
- (2) submit to Congress a report that describes the results of each evaluation.

(Pub. L. 101-510, div. C, title XXXI, §3195, as added Pub. L. 110-69, title V, §5003(d)(3), Aug. 9, 2007, 121 Stat. 611; amended Pub. L. 111-358, title IX, §901(c)(2), Jan. 4, 2011, 124 Stat. 4044.)

REFERENCES IN TEXT

Subparts 3 and 4, referred to in subsec. (b), relate to Centers of Excellence and summer institutes, respectively. Prior to amendment by Pub. L. 111-358, subsec. (b) also contained reference to subpart 1, which related to specialty schools for science and mathematics and was repealed by Pub. L. 111-358, title IX, §901(c)(1), Jan. 4, 2011, 124 Stat. 4044. See 2011 Amendment note below.

AMENDMENTS

2011—Pub. L. 111-358 substituted “subparts 3 and 4” for “subparts 1, 3, and 4” in subsecs. (a) and (b).

SUBCHAPTER XIV—ALBERT EINSTEIN
DISTINGUISHED EDUCATOR FELLOWSHIPS

CODIFICATION

This subchapter was enacted as part A (§§511-518) of title V of the Improving America’s Schools Act of 1994, known as the Albert Einstein Distinguished Educator Fellowship Act of 1994, and not as part of the Department of Energy Organization Act which comprises this chapter.

§ 7382. Findings

The Congress finds that—

- (1) the Department of Energy has unique and extensive mathematics and science capabilities that contribute to mathematics and science education programs throughout the Nation;
- (2) a need exists to increase understanding, communication, and cooperation between the Congress, the Department of Energy, other Federal agencies, and the mathematics and science education community;
- (3) elementary and secondary school mathematics and science teachers can provide practical insight to the legislative and executive branches in establishing and operating education programs; and
- (4) a pilot program that placed elementary and secondary school mathematics and science