

Stat. 1853; renumbered § 3169, Pub. L. 109-58, title XI, § 1105(b)(1), Aug. 8, 2005, 119 Stat. 939; Pub. L. 110-69, title V, § 5003(d)(2), Aug. 9, 2007, 121 Stat. 603; Pub. L. 117-167, div. B, title I, § 10111(b), Aug. 9, 2022, 136 Stat. 1456.)

Editorial Notes

AMENDMENTS

2022—Pub. L. 117-167 substituted “Out of funds authorized to be appropriated for the Office of Science of the Department of Energy in a fiscal year, there are” for “There are” and “each of fiscal years 2023 through 2027” for “fiscal year 1991”.

2007—Pub. L. 110-69 substituted “this part” for “this subchapter”.

1998—Pub. L. 105-245 substituted “Office of Science” for “Office of Energy Research”.

PART B—SCIENCE, ENGINEERING, AND MATHEMATICS EDUCATION PROGRAMS

§ 7381g. Definitions

In this part:

(1) Director

The term “Director” means the Director of Science, Engineering, and Mathematics Education.

(2) National Laboratory

The term “National Laboratory” has the meaning given the term in section 15801 of this title.

(Pub. L. 101-510, div. C, title XXXI, § 3170, as added Pub. L. 110-69, title V, § 5003(d)(3), Aug. 9, 2007, 121 Stat. 603.)

Statutory Notes and Related Subsidiaries

CONSULTATION

Pub. L. 110-69, title V, § 5003(b), Aug. 9, 2007, 121 Stat. 602, provided that: “The Secretary [of Energy] shall—

“(1) consult with the Secretary of Education and the Director of the National Science Foundation regarding activities authorized under subpart B of the Department of Energy Science Education Enhancement Act [this part] (as added by subsection (d)(3)) to improve science and mathematics education; and

“(2) otherwise make available to the Secretary of Education reports associated with programs authorized under that section.”

SUBPART 1—[REPEALED]

Editorial Notes

CODIFICATION

Pub. L. 111-358, title IX, § 901(c)(1), Jan. 4, 2011, 124 Stat. 4044, struck out heading for subpart 1 “PILOT PROGRAM OF GRANTS TO SPECIALTY SCHOOLS FOR SCIENCE AND MATHEMATICS”.

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 Repealed.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

Section, Pub. L. 101-510, div. C, title XXXI, § 3171, as added Pub. L. 110-69, title V, § 5003(d)(3), Aug. 9, 2007, 121 Stat. 603, related to pilot program of grants to specialty schools for science and mathematics.

SUBPART 2—[REPEALED]

Editorial Notes

CODIFICATION

Pub. L. 111-358, title IX, § 901(c)(1), Jan. 4, 2011, 124 Stat. 4044, struck out heading for subpart 2 “EXPERIENTIAL-BASED LEARNING OPPORTUNITIES”.

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 Repealed.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

Section, Pub. L. 101-510, div. C, title XXXI, § 3175, as added Pub. L. 110-69, title V, § 5003(d)(3), Aug. 9, 2007, 121 Stat. 606, related to experiential-based learning opportunities.

SUBPART 3—NATIONAL LABORATORIES CENTERS OF EXCELLENCE IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS EDUCATION

§ 7381l. National Laboratories Centers of Excellence in Science, Technology, Engineering, and Mathematics education

(a) Definition of high-need public secondary school

In this section, the term “high-need public secondary school” means a secondary school—

(1) in which 40 percent or more of the students attending the school are children from low-income families; or

(2) designated with a school locale code of 41, 42, or 43, as determined by the Secretary of Education.

(b) Establishment

The Secretary shall establish at each of the National Laboratories a program to support a Center of Excellence in Science, Technology, Engineering, and Mathematics (referred to in this section as a “Center of Excellence”) in at least 1 high-need public secondary school located in the region served by the National Laboratory to provide assistance in accordance with subsection (f).

(c) Collaboration

(1) In general

To comply with subsection (g), each high-need public secondary school selected as a Center of Excellence and the National Laboratory shall form a partnership with a school, department, or program of education at an institution of higher education.

(2) Nonprofit entities

The partnership may include a nonprofit entity with demonstrated experience and effectiveness in science or mathematics, as agreed to by other members of the partnership.

(d) Selection

(1) In general

The Secretary, acting through the Director, shall establish criteria to guide the National Laboratories in selecting the sites for Centers of Excellence.

(2) Process

A National Laboratory shall select a site for a Center of Excellence through an open, widely-publicized, and competitive process.

(e) Goals

The Secretary shall establish goals and performance assessments for each Center of Excellence authorized under subsection (b).

(f) Assistance

Consistent with sections 7381b and 7381c of this title, the Director shall make available necessary assistance for a program established

under this section through the use of scientific and engineering staff of a National Laboratory, including the use of staff—

(1) to assist teachers in teaching a course at a Center of Excellence in Science, Technology, Engineering, and Mathematics; and

(2) to use National Laboratory scientific equipment in the teaching of the course.

(g) Special rules

A Center of Excellence in a region shall ensure—

(1) provision of clinical practicum, student teaching, or internship experiences for science, technology, and mathematics teacher candidates as part of the teacher preparation program of the Center of Excellence;

(2) provision of supervision and mentoring for teacher candidates in the teacher preparation program; and

(3) to the maximum extent practicable, provision of professional development for veteran teachers in the public secondary schools in the region.

(h) Evaluation

The Secretary shall consider the results of performance assessments required under subsection (e) in determining the contract award fee of a National Laboratory management and operations contractor.

(i) Plan

The Director shall—

(1) develop an evaluation and accountability plan for the activities funded under this section that objectively measures the impact of the activities; and

(2) disseminate information obtained from those measurements.

(j) No effect on similar programs

Nothing in this section displaces or otherwise affects any similar program being carried out as 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; amended Pub. L. 114-95, title IX, §9215(w), Dec. 10, 2015, 129 Stat. 2171.)

Editorial Notes

AMENDMENTS

2015—Subsec. (a)(1). Pub. L. 114-95 substituted “in which 40 percent or more of the students attending the school are children from low-income families” for “with a high concentration of low-income individuals (as defined in section 6537 of title 20)”.

Statutory Notes and Related Subsidiaries

EFFECTIVE DATE OF 2015 AMENDMENT

Amendment by Pub. L. 114-95 effective Dec. 10, 2015, except with respect to certain noncompetitive programs and competitive programs, see section 5 of Pub. L. 114-95, set out as a note under section 6301 of Title 20, Education.

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