

ence, is specially qualified to advise the Under Secretary on all matters pertaining to science, engineering, and mathematics education at the Department.

**(3) Duties**

The Director shall—

(A) oversee all science, engineering, and mathematics education programs of the Department;

(B) represent the Department as the principal interagency liaison for all science, engineering, and mathematics education programs, unless otherwise represented by the Secretary or the Under Secretary;

(C) prepare the annual budget and advise the Under Secretary on all budgetary issues for science, engineering, and mathematics education programs of the Department;

(D) increase, to the maximum extent practicable, the participation and advancement of women and underrepresented minorities at every level of science, technology, engineering, and mathematics education; and

(E) perform other such matters relating to science, engineering, and mathematics education as are required by the Secretary or the Under Secretary.

**(4) Staff and other resources**

The Secretary shall assign to the Director such personnel and other resources as the Secretary considers necessary to permit the Director to carry out the duties of the Director.

**(5) Assessment**

**(A) In general**

The Secretary shall offer to enter into a contract with the National Academy of Sciences under which the National Academy, not later than 5 years after, and not later than 10 years after, August 9, 2007, shall assess the performance of the science, engineering, and mathematics education programs of the Department.

**(B) Considerations**

An assessment under this paragraph shall be conducted taking into consideration, where applicable, the effect of science, engineering, and mathematics education programs of the Department on student academic achievement in science and mathematics.

**(6) Authorization of appropriations**

There are authorized to be appropriated such sums as are necessary to carry out this subsection.

**(c) Relationship to other Department activities**

The programs described in subsection (a) of this section shall supplement and be coordinated with current activities of the Department, but shall not supplant them.

**(d) Science, Engineering, and Mathematics Education Fund**

The Secretary shall establish a Science, Engineering, and Mathematics Education Fund, using not less than 0.3 percent of the amount made available to the Department for research, development, demonstration, and commercial

application for each fiscal year, to carry out sections 7381b, 7381c, and 7381c-1 of this title.

**(e) Annual plan for allocation of education funding**

The Secretary shall submit to Congress as part of the annual budget submission for a fiscal year a report describing the manner in which the Department has complied with subsection (d) for the prior fiscal year and the manner in which the Department proposes to comply with subsection (d) during the following fiscal year, including—

(1) the total amount of funding for research, development, demonstration, and commercial application activities for the corresponding fiscal year;

(2) the amounts set aside for the Science, Engineering, and Mathematics Education Fund under subsection (d) from funding for research activities, development activities, demonstration activities, and commercial application activities for the corresponding fiscal year; and

(3) a description of how the funds set aside under subsection (d) were allocated for the prior fiscal year and will be allocated for the following fiscal year.

**(f) Programs for students from under-represented groups**

In carrying out a program under subsection (a) of this section, the Secretary shall give priority to activities that are designed to encourage students from under-represented groups to pursue scientific and technical careers.

(Pub. L. 101-510, div. C, title XXXI, §3164, Nov. 5, 1990, 104 Stat. 1841; Pub. L. 109-58, title XI, §§1102(a), 1105(a), Aug. 8, 2005, 119 Stat. 938, 939; Pub. L. 110-69, title V, §5003(a), Aug. 9, 2007, 121 Stat. 601.)

AMENDMENTS

2007—Subsecs. (b), (c). Pub. L. 110-69, §5003(a)(1), (2), added subsec. (b) and redesignated former subsec. (b) as (c). Former subsec. (c) redesignated (d).

Subsec. (d). Pub. L. 110-69, §5003(a)(3), added subsec. (d) and struck out former subsec. (d). Former text read as follows: “The Secretary shall use not less than 0.3 percent of the amount made available to the Department for research, development, demonstration, and commercial application for fiscal year 2006 and each fiscal year thereafter to carry out activities authorized by this subchapter.”

Pub. L. 110-69, §5003(a)(1), redesignated subsec. (c) as (d). Former subsec. (d) redesignated (f).

Subsec. (e). Pub. L. 110-69, §5003(a)(3), added subsec. (e).

Subsec. (f). Pub. L. 110-69, §5003(a)(1), redesignated subsec. (d) as (f).

2005—Subsec. (c). Pub. L. 109-58, §1102(a), added subsec. (c).

Subsec. (d). Pub. L. 109-58, §1105(a), added subsec. (d).

**§ 7381b. Laboratory cooperative science centers and other authorized education activities**

**(a) Activities**

The Secretary is authorized to:

(1) Support research appointments for college and university science and engineering students, and for faculty-student teams, at Department research and development facilities.

(2) Support research appointments for high school science teachers at Department research and development facilities.

(3) Support research apprenticeship appointments at Department research and development facilities for students underrepresented in science and technology careers.

(4) Support research experience programs at Department research and development facilities for nationally selected high school honor students.

(5) Operate mathematics and science education programs for elementary and secondary students at Department research and development facilities.

(6) Establish a museum-based science education program.

(7) Establish collaborative inner-city and rural partnership programs designed to meet the special mathematics and science education needs of students in inner-city and rural areas.

(8) Provide paid administrative leave for employees of the Department or Department research and development facilities who volunteer to interact with schools, colleges, universities, teachers, or students for the purpose of science, mathematics, and engineering education.

(9) Establish a talent pool of volunteer scientists, mathematicians, and engineers who have retired from the Department or Department research and development facilities to serve at schools and school districts for the purpose of (A) assisting teachers, with activities such as experiments, lectures, or the preparation of materials; (B) serving as counselors to students on science, mathematics, and engineering; and (C) otherwise assisting science, mathematics, and engineering classes. The Secretary, acting through Department research and development facilities, shall, wherever possible, identify and match schools and school districts with retired scientists, mathematicians, and engineers.

(10) Establish a Young Americans' Summer Science Camp Program to provide secondary school students with a hands-on science experience as well as exposure to working scientists and career counseling.

(11) Establish a program for mathematics and science teachers to provide teachers serving large numbers of disadvantaged students with new strategies for mathematics and science instruction.

(12) Support graduate students and, through university-based cooperative programs, undergraduate students for the purpose of encouraging more students to pursue scientific and technical careers, with a particular focus on the recruitment of women and minority students.

(13) Establish a prefreshman enrichment program in which middle-school students attend summer workshops on mathematics, science, and engineering conducted by universities on their campuses.

(14) Support competitive events for students under the supervision of teachers, designed to encourage student interest and knowledge in science and mathematics.

(15) Support competitively-awarded, peer-reviewed programs to promote professional development for mathematics teachers and science teachers who teach in grades from kin-

dergarten through grade 12 at Department research and development facilities.

(16) Support summer internships at Department research and development facilities, for mathematics teachers and science teachers who teach in grades from kindergarten through grade 12.

(17) Sponsor and assist in educational and training activities identified as critical skills needs for future workforce development at Department research and development facilities.

**(b) Use of facilities**

Any of the activities authorized by subsection (a) of this section may be conducted through Department research and development facilities. The Secretary may designate facilities conducting such education activities as "Laboratory Cooperative Science Centers".

**(c) Funding**

The Secretary is authorized to accept non-Federal funds to finance education activities described in subsection (a) of this section.

(Pub. L. 101-510, div. C, title XXXI, §3165, Nov. 5, 1990, 104 Stat. 1841; Pub. L. 102-25, title VII, §704(d), Apr. 6, 1991, 105 Stat. 120; Pub. L. 109-58, title XI, §1102(b), Aug. 8, 2005, 119 Stat. 938.)

AMENDMENTS

2005—Subsec. (a)(14) to (17). Pub. L. 109-58, which directed amendment of this section by adding pars. (14) to (17) at the end, was executed by making the addition at the end of subsec. (a), to reflect the probable intent of Congress.

1991—Subsec. (a). Pub. L. 102-25, §704(d)(1), redesignated subpars. (J) to (M) as pars. (10) to (13), respectively.

Subsec. (b). Pub. L. 102-25, §704(d)(2), inserted "such" before "education activities" in second sentence.

EFFECTIVE DATE OF 1991 AMENDMENT

Amendment by Pub. L. 102-25 applicable as if included in enactment of Pub. L. 101-510, see section 704(e) of Pub. L. 102-25, set out as a note under section 12321 of Title 10, Armed Forces.

**§ 7381c. Education partnerships**

**(a) Education partnerships**

The Secretary may authorize each Department research and development facility, to the extent practicable and consistent with the provisions of the laboratory's management and operating contract, to enter into education partnership agreements with educational institutions in the United States (including local educational agencies, colleges, and universities) for the purpose of encouraging and enhancing study in scientific disciplines at all levels of education.

**(b) Types of assistance**

Under a partnership agreement entered into with an educational institution under subsection (a) of this section and as authorized by the Secretary, a Department research and development facility may provide assistance to the educational institution by—

(1) loaning or transferring equipment to the institution;

(2) transferring to the institution equipment determined by the director of the Department