

Stat. 897; Pub. L. 105-244, title I, §102(a)(6)(F), Oct. 7, 1998, 112 Stat. 1618; Pub. L. 107-110, title X, §1076(l)(1), Jan. 8, 2002, 115 Stat. 2092; Pub. L. 109-270, §2(d), Aug. 12, 2006, 120 Stat. 747; Pub. L. 114-95, title IX, §9215(dd)(1), Dec. 10, 2015, 129 Stat. 2173.)

#### REFERENCES IN TEXT

This chapter, referred to in par. (1), was in the original “this title” and has been translated as if the reference was to “this Act” to reflect the probable intent of Congress inasmuch as this section is not part of a title of Pub. L. 98-377.

#### AMENDMENTS

2015—Pars. (3), (7). Pub. L. 114-95, §9215(dd)(1)(A), (B), made technical amendment to reference in original act which appears in text as reference to section 7801 of this title.

Par. (8). Pub. L. 114-95, §9215(dd)(1)(C), substituted “section 7801 of this title” for “section 198(a)(7) of the Elementary and Secondary Education Act of 1965”.

Par. (12). Pub. L. 114-95, §9215(dd)(1)(D), made technical amendment to reference in original act which appears in text as reference to section 7801 of this title.

2006—Par. (1). Pub. L. 109-270 substituted “area career and technical education school” for “area vocational education school” and “section 2302(3) of this title.” for “section 2471(3) of this title..”

2002—Par. (3). Pub. L. 107-110, §1076(l)(1)(A), substituted “7801 of this title” for “198(a)(7) of the Elementary and Secondary Education Act of 1965”.

Par. (7). Pub. L. 107-110, §1076(l)(1)(B), substituted “7801 of this title” for “198(a)(10) of the Elementary and Secondary Education Act of 1965”.

Par. (12). Pub. L. 107-110, §1076(l)(1)(C), substituted “7801 of this title” for “198(a)(17) of the Elementary and Secondary Education Act of 1965”.

1998—Par. (6). Pub. L. 105-244 substituted “section 1001” for “section 1141(a)”.

1985—Par. (1). Pub. L. 99-159 substituted reference to section 2471(3) of this title for reference to section 195(2) of the Vocational Education Act of 1965.

#### 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 this title.

#### EFFECTIVE DATE OF 2002 AMENDMENT

Amendment by Pub. L. 107-110 effective Jan. 8, 2002, except with respect to certain noncompetitive programs and competitive programs, see section 5 of Pub. L. 107-110, set out as an Effective Date note under section 6301 of this title.

#### EFFECTIVE DATE OF 1998 AMENDMENT

Amendment by Pub. L. 105-244 effective Oct. 1, 1998, except as otherwise provided in Pub. L. 105-244, see section 3 of Pub. L. 105-244, set out as a note under section 1001 of this title.

#### TERMINATION OF TRUST TERRITORY OF THE PACIFIC ISLANDS

For termination of Trust Territory of the Pacific Islands, see note set out preceding section 1681 of Title 48, Territories and Insular Possessions.

### SUBCHAPTER I—NATIONAL SCIENCE FOUNDATION SCIENCE AND ENGINEERING EDUCATION

#### § 3911. Congressional declaration of policy

(a) The Congress declares that the science and engineering education responsibilities of the National Science Foundation are—

(1) to improve the quality of instruction in the fields of mathematics, science, and engineering;

(2) to support research, fellowships, teacher-faculty-business exchange programs in mathematics, science, and engineering;

(3) to improve the quality and availability of instrumentation for mathematics, science, and engineering instruction;

(4) to encourage partnerships in education between local and State education agencies, business and industry, colleges and universities, and cultural and professional institutions and societies; and

(5) to improve the quality of education at all levels in the fields of mathematics, science, and engineering.

(b) In exercising its responsibilities to strengthen scientific and engineering research potential and science and engineering education programs at all levels, the Foundation shall avoid undue concentration of support for research and education activities.

(Pub. L. 98-377, title I, §101, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 893.)

#### PRIOR PROVISIONS

A prior section 3911, Pub. L. 98-377, title I, §101, Aug. 11, 1984, 98 Stat. 1268, related to grants for teacher institutes, prior to the general revision of this subchapter by section 201 of Pub. L. 99-159. See section 3913 of this title.

#### UNDERGRADUATE SCIENCE IMPROVEMENT

Pub. L. 100-570, title I, §112, Oct. 31, 1988, 102 Stat. 2870, provided that:

“(a) The Congress finds that the support of undergraduate science and engineering education is a critical component in a comprehensive national policy intended to ensure the Nation’s future supply of scientists and engineers.

“(b) In accordance with the provisions of this Act [see Tables for classification], the Foundation shall support undergraduate science and engineering activities in instrumentation and laboratory improvement, undergraduate faculty enhancement, undergraduate research opportunities, undergraduate curriculum development, and efforts to encourage the participation of women, minorities, and the disabled in such fields.

“(c) In carrying out the provisions of this section, the Foundation shall take into account the special needs of two-year and four-year colleges and universities.”

#### § 3912. Functional objectives; uses of funds

(a) In carrying out its science and engineering education responsibilities, the Foundation shall have the following functional objectives: public understanding of science and technology, faculty enhancement, student education and training, instructional development and instrumentation, and materials development and dissemination.

(b) Funds under this subchapter shall, consistent with such functional objectives, be used for—

(1) enhancement of public understanding of science and engineering through informal education activities using a variety of mediums such as broadcasting, museums, clubs, and amateur science societies;

(2) development of new science and engineering faculty resources and talents;

(3) enhancement of the quality of science and engineering instruction in colleges of teacher education;

(4) development of four-year college faculty and instructors in high technology fields;

(5) development of two-year community college faculty and instructors especially in high technology fields;

(6) development of precollege mathematics, science and engineering education and training;

(7) encouragement of potential students, including underrepresented and underserved populations, to pursue careers in mathematics, science, engineering, and critical foreign languages;

(8) development of instructional instrumentation and systems for postsecondary technical, engineering, and scientific education; and

(9) development of science, engineering, and education networks to aid in the development and dissemination of successful curricula, methods, and materials.

(Pub. L. 98-377, title I, §102, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 894.)

#### PRIOR PROVISIONS

A prior section 3912, Pub. L. 98-377, title I, §102, Aug. 11, 1984, 98 Stat. 1268, related to submission, contents, etc., of applications, prior to the general revision of this subchapter by section 201 of Pub. L. 99-159.

### § 3913. Teacher institutes

#### (a) Authorization to make competitive grants; covered institutions, businesses, etc.; purpose

The Foundation shall, in accordance with the provisions of this subchapter, make competitive grants to institutions of higher education, businesses, nonprofit private organizations (including schools), local education agencies, professional engineering and scientific associations, museums, libraries, public broadcasting entities (as defined in section 397(11) of title 47), and appropriate State agencies to support institutes and workshops for supervisors and teachers in public and private elementary and secondary schools for the purpose of improving the subject knowledge and teaching skills of such teachers in the areas of mathematics and science.

#### (b) Equitable distribution of grants; awards in each State

In making grants under this section, the Foundation shall assure that there is an equitable distribution among States of institutes established and operated with funds made available under this section. The Foundation shall award not less than one institute in each State, except that the Foundation may waive this requirement if there is no proposal from a State which meets the requirements of this subchapter. Proposals which exceed \$300,000 in any fiscal year incorporating the services or resources of more than two entities in the design and operation of the institute, may be funded at the discretion of the Director of the Foundation.

#### (c) Cooperation of advanced technology businesses and other businesses

Institutes assisted under this subchapter may, to the extent possible, involve the cooperation

of advanced technology businesses and other businesses which are able to supply assistance in the teaching of mathematics and science.

#### (d) Requirement of involvement in planning and development

In making grants under this subchapter, the Foundation shall require assurances that local education agencies will be involved in the planning and development of the institute in the case of applications submitted by other eligible applicants described in subsection (a) of this section, or that one or more such applicants will be involved in the planning and development of the institute in the case of applications submitted by State or local education agencies.

(Pub. L. 98-377, title I, §103, as added Pub. L. 99-159, title II, §201, Nov. 22, 1985, 99 Stat. 894.)

#### PRIOR PROVISIONS

A prior section 3913, Pub. L. 98-377, title I, §113, Aug. 11, 1984, 98 Stat. 1269, related to distribution of assistance and limitation on grants, prior to the general revision of this subchapter by section 201 of Pub. L. 99-159. See subsec. (b) of this section.

### § 3914. Materials development and methods research for mathematics, science, and engineering

#### (a) Authorization to award competitive grants; covered institutions, businesses, etc.; purposes

The Foundation is authorized, in accordance with the provisions of this subchapter, to award competitive grants to institutions of higher education, businesses, nonprofit private organizations, local education agencies, professional engineering and scientific associations, museums, libraries, public broadcasting entities (as defined in section 397(11) of title 47), and appropriate State agencies—

(1) for instructional curriculum improvement and faculty development in mathematics, science, and engineering;

(2) for programs designed to enhance public understanding of mathematics, science, and engineering, including the use of public broadcasting entities; and

(3) for research on methods of instruction and educational programs in mathematics, science, engineering, and critical foreign languages.

#### (b) Scope of studies

Studies conducted under subsection (a)(3) may include—

(1) teaching and learning research and its application to local and private sector instructional materials development and to improved teacher training programs;

(2) research on the use of local and informal science education activities;

(3) research on recruitment, retention, and improvement of mathematics, science, engineering, and critical languages faculties; and

(4) analysis of materials and methods for mathematics, science, and engineering education used in other countries and their potential application in the United States.

#### (c) Matching grant requirements

Funds awarded for such competitive grants shall be expended through a system requiring