and increasing economic growth and prosperity, it is critical that we educate and train our future workforce to compete and excel in lucrative and important STEM fields.

Today, too many of our Nation's K–12 and post-secondary students lack access to high-quality STEM education, and thus are at risk of being shut out from some of the most attractive job options in the growing United States economy. Courses in Computer Science are especially scarce in too many schools and communities, despite the job opportunities that these skills create. Nearly 40 percent of high schools do not offer physics and 60 percent of high schools do not offer computer programming. Of the nearly 17,000 high schools that were accredited to offer Advanced Placement exams in 2015, only 18 percent were accredited to teach Advanced Placement Computer Science (AP–CS). Minorities and students in rural communities often have even less access to Computer Science education. Nationwide, only 34 percent of African American students and 30 percent of rural high school students have access to a Computer Science class. Furthermore, even where classes are offered, there is a serious gender gap: less than a quarter of the students who took the AP–CS A exam nationally in 2016 were girls.

Shortages in high-quality STEM teachers at all levels, particularly in Computer Science, often drive these problems. The Department of Education, therefore, should prioritize helping districts recruit and train teachers capable of providing students with a rigorous education in STEM fields, focusing in particular on Computer Science. This will help equip students with the skills needed to obtain certifications and advanced degrees that ultimately lead to jobs in STEM fields.

SEC. 2. *Expanding Access to Computer Science and STEM Education.* (a) *Establish promotion of high-quality STEM education, with a particular focus on Computer Science, as a Department of Education priority.* The Secretary of Education (Secretary) shall, consistent with law, establish the promotion of high-quality STEM education, including Computer Science in particular, as one of the priorities of the Department of Education. The Secretary shall take this priority into account, to the extent permitted by law, when awarding grant funds in fiscal year 2018 and in future years.

(b) *Funding level.* The Secretary shall, to the extent consistent with law, establish a goal of devoting at least $200 million in grant funds per year to the promotion of high-quality STEM education, including Computer Science in particular. Within 30 days of the Congress passing final appropriations for each fiscal year for which the priority established under subsection (a) of this section is in effect, the Secretary shall identify the grant programs to which the STEM priority will apply and estimate the total amount of such grant funds that will support high-quality STEM education, including Computer Science. The Secretary shall communicate plans for achieving this goal to the Director of the Office of Management and Budget (OMB Director) each fiscal year.

(c) *Explore administrative actions to promote Computer Science at the Department of Education.* The Secretary shall explore appropriate administrative actions, to the extent consistent with law, to add or increase focus on Computer Science in existing K–12 and post-secondary programs. As part of this effort, the Secretary shall identify and take action to provide guidance documents and other technical assistance that could support high-quality Computer Science education.

(d) *Report.* Not later than 90 days after the end of each fiscal year, the Secretary shall submit to the OMB Director a report on the activities carried out during the preceding fiscal year under subsections (b) and (c) of this section. In particular, the report shall describe how the grant funds referenced in subsection (b) were spent, any administrative actions that were taken, guidance documents that were released, or technical assistance that was provided pursuant to subsection (c) of this section, and whether these actions succeeded in promoting and expanding access to high-quality STEM education, including Computer Science in particular, both generally and with respect to underserved populations.

SEC. 3. *Definition.* The term ''Computer Science'' means the study of computers and algorithmic processes and includes the study of computing principles and theories, computer hardware, software design, coding, analytics, and computer applications.

SEC. 4. *General Provisions.* (a) Nothing in this memorandum shall be construed to impair or otherwise affect:

(i) the authority granted by law to an executive department or agency, or the head thereof; or

(ii) the functions of the OMB Director relating to budgetary, administrative, or legislative proposals.

(b) This memorandum shall be implemented consistent with applicable law and subject to the availability of appropriations.

(c) This memorandum is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.

(d) The Secretary is hereby authorized and directed to publish this memorandum in the Federal Register.

DONALD J. TRUMP.

§ 3902. Definitions

For the purpose of this chapter—

(1) The term ''area career and technical education school'' has the same meaning given that term under section 2302(3) of this title.

(2) The term ''Director'' means the Director of the National Science Foundation.

(3) The term ''elementary school'' has the same meaning given that term under section 7801 of this title.

(4) The term ''Governor'' means the chief executive of a State.

(5) The term ''Foundation'' means the National Science Foundation.

(6) The term ''institution of higher education'' has the same meaning given that term by section 1001 of this title.

(7) The term ''local educational agency'' has the same meaning given that term under section 7801 of this title.

(8) The term ''secondary school'' has the same meaning given that term under section 7801 of this title.

(9) The term ''Secretary'' means the Secretary of Education.

(10) The term ''State'' means each of the several States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the Virgin Islands, the Trust Territory of the Pacific Islands, and the Northern Mariana Islands.

(11) The term ''State agency for higher education'' means the State board of higher education or other agency or officer primarily responsible for the State supervision of higher education, or, if there is no such officer or agency, an officer or agency designated for the purpose of this chapter[1] by the Governor or by State law.

(12) The term ''State educational agency'' has the meaning given that term under section 7801 of this title.

(Pub. L. 98–377, §3, Aug. 11, 1984, 98 Stat. 1267; Pub. L. 99–159, title II, §221, Nov. 22, 1985, 99

[1] See References in Text note below.

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. (11), 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;