

106TH CONGRESS
2D SESSION

H. R. 4183

To amend the Elementary and Secondary Education Act of 1965 to establish a program for awarding next-generation technology grants to improve teaching and learning in elementary and secondary schools, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

APRIL 5, 2000

Mr. WU (for himself, Mrs. MORELLA, Mr. HOLT, Mr. LAZIO, Mr. LARSON, Mr. DOOLEY of California, Mr. MORAN of Virginia, Mr. SMITH of Washington, Mr. ETHERIDGE, Mr. CROWLEY, Mr. KIND, Mr. TIERNEY, Mr. KILDEE, Mr. ANDREWS, and Mr. ROEMER) introduced the following bill; which was referred to the Committee on Education and the Workforce

A BILL

To amend the Elementary and Secondary Education Act of 1965 to establish a program for awarding next-generation technology grants to improve teaching and learning in elementary and secondary schools, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Next Generation Tech-
5 nology Innovation Awards Act of 2000”.

1 **SEC. 2. NEXT-GENERATION TECHNOLOGY INNOVATION**
2 **AWARDS FOR SCHOOLS.**

3 (a) IN GENERAL.—Part B of title III of the Elemen-
4 tary and Secondary Education Act of 1965 (20 U.S.C.
5 6891 et seq.) is amended to read as follows:

6 **“PART B—NEXT-GENERATION TECHNOLOGY**
7 **INNOVATION AWARDS**

8 **“SEC. 3211. PURPOSE; PROGRAM AUTHORITY.**

9 “(a) PURPOSE.—It is the purpose of this part to—
10 “(1) expand the knowledge base about the use
11 of the next generation of advanced computers and
12 telecommunications in delivering new applications
13 for teaching and learning;
14 “(2) address questions of national significance
15 about the next generation of technology and its use
16 to improve teaching and learning; and
17 “(3) develop, for wide-scale adoption by State
18 educational agencies and local educational agencies,
19 models of innovative and effective applications of
20 technology to teaching and learning, such as high
21 quality video, voice recognition devices, modeling and
22 simulation software (particularly web-based software
23 and intelligent tutoring), hand-held devices, and vir-
24 tual reality and wireless technologies, which are
25 aligned with challenging State academic content and
26 student performance standards.

1 “(b) PROGRAM AUTHORITY.—

2 “(1) IN GENERAL.—The Secretary is authorized
3 to award grants, contracts, and cooperative agree-
4 ments on a competitive basis through the Office of
5 Educational Technology to eligible applicants in
6 order to carry out the purposes of this part.

7 “(2) PERIOD OF AWARD.—A grant, contract, or
8 cooperative agreement awarded under this part shall
9 be for a period of not more than 5 years.

10 **“SEC. 3212. ELIGIBILITY.**

11 “(a) ELIGIBLE APPLICANTS.—In order to receive an
12 award under this part, an applicant shall be a consortium
13 which includes—

14 “(1) at least one State educational agency or
15 local educational agency; and

16 “(2) at least one institution of higher education,
17 for-profit entity, museum, library, or other public or
18 private entity with a particular expertise that would
19 assist the educational agency in carrying out the
20 purposes of this part.

21 “(b) APPLICATION REQUIREMENTS.—In order to re-
22 ceive an award under this part, an eligible applicant shall
23 submit an application to the Secretary at such time, and
24 containing such information, as the Secretary may re-
25 quire. Such application shall include—

1 “(1) a description of the proposed project and
2 how it would carry out the purposes of this part;
3 and

4 “(2) a detailed plan for the independent evalua-
5 tion of the project, which shall include benchmarks
6 to monitor progress toward specific project objec-
7 tives.

8 “(c) PRIORITIES.—In making awards under this
9 part, the Secretary may establish one or more priorities
10 consistent with the objectives of this part, including the
11 following:

12 “(1) A priority for projects which develop inno-
13 vative models of effective use of educational tech-
14 nology, including the development of distance learn-
15 ing networks, software, (including software deliver-
16 able through the Internet), and online-learning re-
17 sources.

18 “(2) A priority for projects serving more than
19 one State and involving large-scale innovations in
20 the use of technology in education.

21 “(3) A priority for projects which develop inno-
22 vative models for serving traditionally underserved
23 populations, including low-income students, students
24 with disabilities, and students with limited English
25 proficiency.

1 “(4) A priority for projects for which applicants
2 provide substantial financial and other resources to
3 achieve the goals of the project.

4 “(5) A priority for projects which develop inno-
5 vative models for using electronic networks to pro-
6 vide challenging courses, such as Advanced Place-
7 ment courses.

8 “(6) A priority for projects which establish
9 high-speed, large bandwidth capacity Internet ac-
10 cess.

11 **“SEC. 3213. USES OF FUNDS.**

12 “A recipient shall use funds awarded under this part
13 to—

14 “(1) develop new applications of educational
15 technologies and telecommunications to support
16 school reform efforts, such as wireless and web-
17 based telecommunications, hand-held devices, web-
18 based learning resources, distributed learning envi-
19 ronments (including distance learning networks),
20 and the development of educational software and
21 other applications;

22 “(2) integrate technology across the curriculum
23 of the State educational agency or the local edu-
24 cational agency (as the case may be); and

1 “(3) carry out other activities consistent with
2 the purposes of this part, including the following:

3 “(A) Developing innovative models for im-
4 proving teachers’ ability to integrate technology
5 effectively into course curriculum through sus-
6 tained, intensive, and high-quality professional
7 development.

8 “(B) Developing high-quality, standards-
9 based digital content, including multimedia
10 software, digital video, and web-based re-
11 sources, including—

12 “(i) new technological formats to fa-
13 cilitate better subject matter under-
14 standing in particularly challenging learn-
15 ing environments in areas such as physics,
16 foreign languages, or Advanced Placement
17 courses;

18 “(ii) computer modeling, visualization,
19 and simulation tools;

20 “(iii) new methods for assessing stu-
21 dent performance;

22 “(iv) web-based and other distance
23 learning curricula and related materials,
24 such as interoperable software components;

1 “(v) learning-focused digital libraries,
2 information retrieval systems, and other
3 designs for supporting broad re-use of
4 learning content; and

5 “(vi) software which supports the de-
6 velopment, modification, and maintenance
7 of educational materials.

8 “(C) Using telecommunications and other
9 technologies to make programs accessible to
10 students with special needs (such as low-income
11 students, students with disabilities, students in
12 remote areas, and students with limited English
13 proficiency) through such activities as using
14 technology to support mentoring.

15 “(D) Providing classroom and extra-
16 curricular opportunities for female students to
17 explore the different uses of technology and
18 gain awareness of careers and opportunities in
19 the technology field.

20 “(E) Promoting school-family partner-
21 ships, which may include services for adults and
22 families, particularly parent education programs
23 providing parents with training, information,
24 and support on how to help their children
25 achieve high academic standards.

1 “(F) Acquiring connectivity linkages, re-
2 sources, distance learning networks, and serv-
3 ices, including hardware and software, as need-
4 ed to accomplish the goals of the project.

5 “(G) Collaborating with other technology
6 research and development programs of the Sec-
7 retary and the Federal government.

8 **“SEC. 3214. EVALUATION**

9 “The Secretary is authorized to—

10 “(1) develop tools and provide resources for re-
11 cipients of funds under this part to evaluate their
12 activities;

13 “(2) provide technical assistance to assist re-
14 cipients of funds under this part in evaluating their
15 projects;

16 “(3) conduct independent evaluations of the ac-
17 tivities assisted under this part; and

18 “(4) disseminate findings and methodologies
19 from evaluations of activities assisted under this
20 part, or other information obtained from such
21 projects which would promote the design, replication,
22 or implementation of effective models for evaluating
23 the impact of educational technology on teaching
24 and learning.

1 **“SEC. 3215. LIMITATION ON ADMINISTRATIVE COSTS.**

2 “A recipient of funds under this part may not use
3 more than 3 percent of the funds awarded to the recipient
4 for any fiscal year for administrative costs or technical as-
5 sistance.

6 **“SEC. 3216. NON-FEDERAL SHARE.**

7 “(a) IN GENERAL.—Subject to subsections (b) and
8 (c), the Secretary may require any recipient of an award
9 under this part to share in the cost of the activities as-
10 sisted under such award, which may be in the form of cash
11 or in-kind contributions fairly valued.

12 “(b) INCREASE.—The Secretary may increase the
13 non-Federal share required of a recipient of an award
14 under this part after the first year such recipient receives
15 funds under such award.

16 “(c) MAXIMUM.—The non-Federal share required
17 under this section may not exceed 50 percent of the cost
18 of the activities assisted pursuant to an award under this
19 part.

20 “(d) NOTICE.—The Secretary shall publish in the
21 Federal Register the non-Federal share required under
22 this section.

23 **“SEC. 3217. AUTHORIZATION OF APPROPRIATIONS.**

24 “For purposes of carrying out this part, there are au-
25 thorized to be appropriated such sums as may be nec-

1 essary for fiscal year 2001 and for each of the four suc-
 2 ceeding fiscal years.”.

3 (b) CONFORMING REPEAL OF FORMER PROGRAM
 4 FOR NATIONAL CHALLENGE GRANTS.—

5 (1) IN GENERAL.—Subpart 2 of part A of title
 6 III of such Act (20 U.S.C. 6841 et seq.) is
 7 amended—

8 (A) by striking section 3136; and

9 (B) by redesignating section 3137 as sec-
 10 tion 3136.

11 (2) OTHER CONFORMING AMENDMENTS.—Sec-
 12 tion 3114 of such Act (20 U.S.C. 6814) is
 13 amended—

14 (A) by striking subsection (b);

15 (B) by redesignating paragraph (2) of sub-
 16 section (a) as subsection (b) and moving such
 17 provision 2 ems to the left;

18 (C) by redesignating paragraph (1) of sub-
 19 section (a) as subsection (a) and moving such
 20 provision 2 ems to the left;

21 (D) by striking “(A)(i)” and inserting
 22 “(1)(A)”;

23 (E) by striking “(ii)” and inserting “(B)”;

24 (F) by striking “(B)” and inserting “(2)”;

25 (G) by striking “(C)” and inserting “(3)”;

1 (H) in the heading, by striking “; **FUND-**
2 **ING RULE**”; and

3 (I) by striking “(a) AUTHORIZATION OF
4 APPROPRIATIONS.—”.

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